

POMORSKI FAKULTET KOTOR			
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UNIVERZITET CRNE GORE

POMORSKI FAKULTET KOTOR

n/r dekanice prof. dr Tatijane Dlabač i Vijeću Fakulteta

Poštovana dekanice i članovi Vijeća Pomorskog fakulteta Kotor,

U skladu sa strateškim opredjeljenjima Pomorskog fakulteta Kotor i Univerziteta Crne Gore u cilju jačanja internacionalizacije, promociju održivog razvoja i unapređenje nastavnih kapaciteta kroz kratkoročne obrazovne formate, dostavljamo Elaborat o akreditaciji programa cjeloživotnog učenja (ljetnje škole) pod nazivom „Održivi razvoj jahting i kruzing industrija“, koja se organizuje na engleskom jeziku, na razmatranje i usvajanje.

Elaborat je izrađen u skladu sa važećim propisima i standardima Univerziteta Crne Gore i Agencije za kontrolu kvaliteta u visokom obrazovanju (AKVOKO) i sadrži sve potrebne elemente vezane za strukturu, sadržaj i način realizacije programa CŽU. Program CŽU je planiran da se organizuje svake godine tokom ljeta, a ciljna grupa su studenti završnih godina osnovnih i master studija, kao i zaposleni u sektoru plave ekonomije iz Crne Gore i inostranstva.

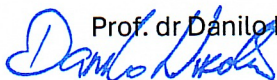
Program se ponovo akredituje (iz razloga što ne postoji AKVOKO - Pravila za reakreditaciju programa CŽU) uz institucionalnu podršku Instituta za biologiju mora, kroz realizaciju projekta SKILLS finansiranog iz programa Interreg IPA South Adriatic. Podsjećamo da je isti program pod ovim nazivom i kvalifikacijom prethodno bio akreditovan prije četiri godine, u okviru realizacije Erasmus+ projekta IESP. U odnosu na prethodnu akreditaciju, ovaj program je unaprijeđen povećanjem obima sa 2 na 3 ECTS kredita, te dopunjen nastavnim sadržajem iz oblasti digitalizacije i razvoja pametnih marina i kruzing luka.

Realizacijom ovog programa Fakultet dodatno afirmiše svoju ulogu regionalnog centra znanja i istraživanja u oblasti pomorstva i održivog razvoja. Učešće predavača i učesnika iz više zemalja doprinijeće dodatno internacionalizaciji obrazovnog procesa na našem Fakultetu.

Ljubazno Vas molimo da razmotrite Elaborat i date saglasnost kako bismo isti mogli uputiti nadležnim organima Univerziteta Crne Gore u dalju proceduru akreditacije.

S poštovanjem,

Koordinator programa CŽU

Prof. dr Danilo Nikolić


Univerzitet Crne Gore

ELABORAT

*o akreditaciji programa cjeloživotnog učenja
„Održivi razvoj jahting i kruzing industrije“*



Elaborat je urađen u okviru projekta „Tržišno odgovorne kompetencije visokog nivoa za plavi i digitalizovani “pametan i vješt južni Jadran” (High LEVEL and market-respondent Competences for a Blue and Digitalized “Smart and skilled South Adriatic”) - **SKILLS**

Kotor, Maj 2025.

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1. OPŠTI PODACI O USTANOVU

1.1 Univerzitet Crne Gore

Univerzitet Crne Gore je osnovan 29. aprila 1974. godine. Osnivač Univerziteta je Republika Crna Gora. Prilikom osnivanja su se tri fakulteta (Ekonomski, Tehnički i Pravni iz Titograda), dvije više škole (Pedagoška akademija iz Nikšića i Viša pomorska škola iz Kotora) i tri samostalna naučna instituta (Istorijski, Poljoprivredni i Institut za biološka i medicinska istraživanja iz Titograda) potpisivanjem Samoupravnog sporazuma o udruživanju u složenu organizaciju udruženog rada udružili i formirali „Univerzitet u Titogradu“. Univerzitet je promijenio naziv u Univerzitet „Veljko Vlahović“ u Titogradu Samoupravnim sporazumom o udruživanju u Univerzitet „Veljko Vlahović“ u Titogradu br. 02-508 od 04.04.1978.g. i usvajanjem Statuta Univerziteta „Veljko Vlahović“ br. 01-985 od 31.05.1978.g. Zakonom o univerzitetu Sl. List RCG br. 37/92 i 6/94, Odlukom o izmjeni Statuta Univerziteta „Veljko Vlahović“ br. 01-107 od 13.03.1992. godine i Statutom Univerziteta Crne Gore br. 01-540 od 06.07.1993. godine izvršena je promjena firme i sjedišta Univerziteta „Veljko Vlahović“ – Titograd – Novo naselje Kruševac u Javnu ustanovu „Univerzitet Crne Gore“. Pod ovim imenom, u narednim godinama Univerzitet je prolazio kroz različite periode reorganizacije u kojima su formirane nove univerzitetske jedinice. Danas Univerzitet čini 19 fakulteta i 3 naučna instituta.

1.2 Pomorski fakultet Kotor

Pomorski fakultet Kotor (PFK) je visokoškolska ustanova koja djeluje u sastavu Univerziteta Crne Gore (UCG), kao jedna od njegovih najstarijih organizacionih jedinica. Rad ove obrazovne ustanove, u kojoj se uspješno obrazuju pomorci i pomorski stručnjaci, počeo je 1959. godine kada je osnovana Viša pomorska škola u Kotoru, koja je 1981. godine prerasla u visokoškolsku - Fakultet za pomorstvo Kotor, a 2016. godine mijenja naziv u Pomorski fakultet Kotor.

Formiranje brodarskih preduzeća, razvoj pomorske i turističke infrastrukture u Socijalističkoj Republici Crnoj Gori, kao odgovor na naglu ekspanziju pomorske i turističke privrede u svijetu, nametnuli su potrebu da se upravo u Kotoru, kolijevci crnogorskog i bokeljskog pomorstva počne sa sistematskim školovanjem pomorskih i turističkih kadrova sposobnih da budu konkurentni na međunarodnom tržištu. U više nego skromnim uslovima, Viša pomorska škola u Kotoru je 1959. počela sa upisom studenata na dva odsjeka: pomorsko-nautičkom i brodomašinskom, a od 1960. godine otvoren je i pomorsko-ekonomski odsjek. Školske 1965/66. godine osnivaju su još dva studijska odsjeka: turistički i radio-telegrafski. Već 1971/72. godine Viša pomorska škola u Kotoru je imala u stalnom radnom odnosu 26 nastavnika, koji su pokrivali široku lepezu stručnih predmeta. Naredne školske godine Viša pomorska škola u Kotoru konačno je dobila sopstvenu zgradu, u kojoj se i danas nalazi Pomorski fakultet Kotor, čime su se stvorili mnogo bolji uslovi za rad. U tom periodu osposobljeni su nautički, mašinski i radio-telegrafski kabineti, nabavljena je fonolaboratorija za nastavu i učenje stranih jezika, osavremenjena je stručna biblioteka. Počinje sistematski da se radi na stvaranju uslova za sopstvenu izdavačku djelatnost, što je ubrzo rezultiralo brojnim naslovima skripti, udžbenika i priručnika čiji su autori nastavnici i saradnici Fakulteta. Kao kruna

izdavačke djelatnosti, 1974. godine, pojavljuje se stručni časopis – Zbornik Više pomorske škole u Kotoru, koji je sa većim ili manjim prekidima izlazio do 2003. godine.

Odgovarajući na tadašnje zahtjeve privrede, Viša pomorska škola u Kotoru je 1978. godine organizovala nastavu u Baru na lučko-transportnom odsjeku.

Inicijativa Više pomorske škole u Kotoru o otvaranju četvorogodišnjeg organizaciono-eksploatacionog odsjeka, na kojem bi se osposobljavali stručnjaci sposobni da preuzmu upravljačku ulogu u kompanijama i preduzećima pomorske privrede, korespondirala je s razvojem državnog univerziteta „Veljko Vlahović“. Skupština Republičke samoupravne interesne zajednice usmjerenog obrazovanja Crne Gore - donijela je 17. jula 1981. godine odluku o osnivanju Fakulteta za pomorstvo u Kotoru. Za cjelokupan posao osnivanja Fakulteta bila je nadležna Matična komisija, na čelu sa akademikom prof. dr Vladislavom Brajkovićem.

Na Fakultetu za pomorstvo u Kotoru tada djeluje pet odsjeka – jedan četvorogodišnji (organizaciono-eksploatacioni, sa dva usmjerenja) i četiri dvogodišnja (nautički; brodomašinski; radio-telegrafski; pomorsko-ekonomski i turistički). Otvaranje četvorogodišnjeg studija bilo je uslovljeno gašenjem pomorsko-ekonomskog dvogodišnjeg studijskog programa, koji prestaje sa radom školske 1985/86.

Pomorski fakultet Kotor razvio je živu međunarodnu saradnju, a novoosnovana jedinica – Institut za pomorstvo i turizam u Kotoru – uspješno vodi ili učestvuje u naučno-istraživačkim projektima pomorskog, brodarskog i turističkog tržišta Crne Gore i Jugoslavije, organizuje naučne skupove, seminare, okrugle stolove posvećene aktuelnim pitanjima i problemima pomorstva i turizma. Institut se 1987. godine integrisao sa Fakultetom. Prvi direktor Instituta bio je mr Ilija Maslovar.

Devedesetih godina prošlog vijeka nestale su moćne crnogorske brodarske kompanije, rad luka je sveden na minimum i prekinuta je komunikacija i saradnja sa svijetom. Sve to je imalo negativne posljedice na školstvo a posebno pomorsko obrazovanje. Međutim, i u ovim najtežim uslovima, Fakultet je uspio održati kontinuitet.

Kraj devedesetih i početak novog milenijuma, simbolično gledano, znači novi pravac u razvoju Fakulteta za pomorstvo u Kotoru. Iz jedinstvenog Fakulteta za pomorstvo izdava se u posebnu univerzitetsku jedinicu Fakultet za turizam i hotelijerstvo. Akademske 1999/2000. godine Vlada Crne Gore i Univerzitet Crne Gore donose odluku da, pored četvorogodišnjeg odsjeka za upravljanje i nautički i brodomašinski omoguće, pored dvogodišnjeg, i četvorogodišnje školovanje pomoraca. Uz ova tri pomenuta odsjeka, postoji i dvogodišnji odsjek za pomorske komunikacije i automatiku, kasnije transformisan u odsjek pomorske elektrotehnike. Na Fakultetu se otvaraju postdiplomske studije, a na njemu svoje teze brane prvi magistrandi i doktorandi. Odsjek za upravljanje inovira nastavne programe i postaje Odsjek za menadžment u pomorstvu.

Pomorski fakultet Kotor kontinuirano je radio na obezbjeđivanju savremene opreme za posebne obuke pomoraca, u skladu sa propisima Svjetske pomorske organizacije (IMO), tako da je već krajem devedesetih godina prošlog vijeka raspolagao kabinetom za obuku pomorskih oficira za sticanje sertifikata GMDSS. U sastavu Fakulteta tada počinje sistematski da djeluje Centar za obuku pomoraca. Pomorska biblioteka značajno osavremenjuje rad. Formiran je elektronski, *on-line* katalog u okviru kooperativnog bibliotečkog sistema COBISS.CG, sa otvorenim pristupom 24 sata dnevno, a Računarski

centar pruža mogućnost primjene savremenih nastavnih metoda i aktivnijeg učešća studenata u procesu nastave i obrazovanja.

Studijske 2004/05 upisana je prva generacija studenata Fakulteta za pomorstvo u Kotoru u skladu sa preporukama Bolonjske deklaracije. Tada se formiraju:

- osnovne studije na primijenjenim studijskim programima: Nautika; Brodomaštinstvo; Lučko-transportni menadžment (treća diferencijalna godina u Baru);
- osnovne, specijalističke, postdiplomske i doktorske studije na akademskim studijskim programima: Menadžment u pomorstvu i Pomorske nauke.

Studijske 2011/12. godine počeo je sa radom akademski studijski program Menadžment u pomorstvu, van sjedišta Fakulteta, u Cetinju. Početak rada tog studijskog programa je rezultat uspješne saradnje Fakulteta i lokalne zajednice Prijestonice Cetinje.

Naredne godine krenulo se sa ambicioznim projektom otvaranja studijskih programa Nautika i Brodomaštinstvo, van sjedišta Fakulteta sa sjedištem u Baru. Organizovanje i ovih studijskih programa je vid saradnje sa subjektima u Baru koji su prepoznali značaj i potrebu ovog vida djelatnosti Fakulteta. Organizovanje Nautike i Brodomaštinstva u Baru je okupilo veliki broj mladih ljudi koji su upisali studije u svom gradu i iste uspješno okončali.

Posebna pažnja na Fakultetu poklanja se praktičnoj obuci studenata. U funkciju su stavljeni u to vrijeme najmoderniji simulatori za navigaciju i mašinsko brodsko postrojenje, a 2009. godine opremljen je i poligon sa spasilačkim čamcem.

Fakultet dobija licencu za naučno-istraživački rad od strane Ministarstva nauke Crne Gore 2011. godine, čime započinje period u kojoj će Fakultet dobiti veliki broj međunarodnih i nacionalnih projekata.

U skladu sa savremenom tendencijom obrazovanja, Fakultet ima izuzetno razvijenu mrežu saradnje sa relevantnim institucijama, kao i kompanijama iz oblasti pomorstva iz zemlje i inostranstva. Otvorena politika Fakulteta omogućava praćenje trendova iz oblasti pomorstva, ali i studentima otvaranje mogućnosti da stiču potrebna praktična znanja i vještine, kako bi bili konkurentni na međunarodnom tržištu rada.

U zgradi Fakulteta se nalaze savremeno opremljen amfiteatar i učionice, računarski centar, laboratorije i simulatori za obuku budućih i sadašnjih pomoraca.

Najznačajniji dio moderne obuke studenata su simulatori, koji ih već na kopnu pripremaju na pomorske izazove. Obrazovanje budućih pomoraca se ne može svesti na teoriju, zbog čega na fakultetu trenutno veliki broj najsavremenijih simulatora.

Fakultet raspolaže i sa više savremeno opremljenih računarskih učionica kao i laboratorija sa kvalitetnom opremom. U svakom kabinetu nalazi se računarska oprema. Svi poslovi nastave, studentske, kadrovske i finansijske evidencije vode se uz korišćenje veoma prikladnih i korisnih računarskih programa. Preko CIS-a Univerziteta Crne Gore i Akademске mreže UCG, Fakultet je uključen u svjetsku akademsku i Internet mrežu.

Pomorski fakultet Kotor usklađuje svoj rad sa zahtjevima sistema kvaliteta prema međunarodnim standardima Svjetske organizacije za standarde (ISO), tako da njegova akreditacija već skoro deceniju i po zavisi od ocjena renomiranih eksternih provjeravača Lloyd's Register Quality Assurance-a (do 2017.g.) i Hrvatskog Registra Brodova (od 2017.g.).

Saradnja Fakulteta sa subjektima pomorske privrede i srodnim akademskim institucijama iz zemlje i inostranstva, garancija je daljeg razvoja ustanove. Posebno značajan iskorak Fakultet je posljednjih godina učinio na planu uključivanja u nekoliko međunarodnih projekata. Sve ovo omogućava prepoznatljivost Pomorskog fakulteta Kotor na mapi pomorskih obrazovnih ustanova.

U okviru reorganizacije Univerziteta Crne Gore, 2016. godine je usvojena i reorganizacija Pomorskog fakulteta Kotor koja predviđa prelazak na akademske studijske programe kao i prelazak na sistem obrazovanja 3+2+3. Reorganizacijom se formiraju sljedeći studijski programi koji su počeli sa realizacijom od akademske 2017/18 godine, i to:

- trogodišnje osnovne akademske studije: Nautika i pomorski saobraćaj; Brodomaštinstvo; Pomorska elektrotehnika i Menadžment u pomorstvu i logistika;
- postdiplomske dvogodišnje studije: Pomorske nauke i Menadžment u pomorstvu i logistika;
- postdiplomske dvogodišnje studije na engleskom jeziku u formi zajedničkog programa sa ustanovama iz Albanije: Zaštita i upravljanje morskom sredinom
- trogodišnje doktorske studije: Pomorske nauke i Menadžment u pomorstvu i logistika.

Za nastavne planove novih studijskih programa Pomorski fakultet Kotor dobija sertifikate o njihovoj usaglašenosti sa STCW Konvencijom od strane Hrvatskog Registra Brodova, članice IACS-a.

Zakružujući svoju veliku aktivnost u prethodnom periodu, 20.05.2016. godine Fakultet za pomorstvo mijenja svoj naziv u Pomorski fakultet Kotor, uz prethodnu saglasnost Vijeća Fakulteta i Upravnog Odbora Univerziteta Crne Gore.

1.2.1 Misija i vizija Pomorskog fakulteta Kotor

Osnovni cilj Fakulteta jeste osposobljavanje visokoobrazovanog kadra u oblasti pomorstva, razvoj istraživanja i kreiranja naučne misli u pomorstvu.

Vizija Pomorskog fakulteta Kotor je konkurentna i međunarodno prepoznata visokoškolska ustanova u oblasti pomorstva u Jugoistočnoj Evropi.

Misija Pomorskog fakulteta Kotor je da obezbijedi kvalitetno obrazovanje, izvrsnost u nauci i stvaralaštvu, da unapređuje međunarodnu saradnju, da pruža obuku i istraživanje fokusirano na pomorske i prateće programe, te stvara uspješne i društveno odgovorne akademske građane. Sadržina i struktura studijskih programa i obuka će osposobiti studente i profesionalce u oblasti pomorstva da preuzmu liderske uloge, steknu zahtijevanu samodisciplinu, budu radoznali i obezbijediti vještine, etiku i znanja potrebna za uspjeh u globalnoj ekonomiji.

Studijski programi tehničke oblasti na Pomorskom fakultetu Kotor su vrlo specifični, na kojima osim pravila koja moraju zadovoljiti univerzitetski studijski programi, moraju takođe zadovoljiti i specifična načela od kojih valja istaći obavezu usklađivanja obrazovanja s međunarodnim standardima, izrazitu multidisciplinarnost, te prožetost nauke i struke. Usklađenost se u prvom redu odnosi na obaveznu usklađenost s međunarodnim standardima koje propisuje Međunarodna pomorska organizacija (eng. International Maritime Organization - IMO) sa sjedištem u Londonu. Stoga, ovi studijski programi pretpostavljaju usklađenost i kompatibilnost sa Konvencijom STCW 78/95/10, te indirektno i s drugim konvencijama IMO-a kao što su SOLAS 74/78, MARPOL 73/78, itd. Sve ove konvencije ratifikovala je Crna Gora te su stoga obavezne i sa aspekta nacionalne regulative. Takođe, specifičnosti ovih studijskih programa su i prilagođavanje modelima pomorskog obrazovanja najrazvijenijih pomorskih zemalja (posebno Evropske unije i Norveške) i usvajanjem standarda sistema obrazovanja i obuke pomoraca - MET (eng. Maritime Education and Training).

Iz misije i cilja proizilaze zadaci Fakulteta:

- Razvijanje interesovanja za studije.
- Kvalitetno obrazovanje studenata na programu osnovnih, postdiplomskih i doktorskih studija.
- Dopunjavanje i usavršavanje strukture i sadržaja programa u skladu sa pozitivnim iskustvom i savremenom praksom.
- Pospješivanje učenja kroz razmjenu iskustava, studijske boravke i mobilnost.
- Obezbjedenje uslova za savremene udžbenike i literaturu sa adekvatnom bibliotekom i čitaonicom.
- Obezbjedenje uslova za korišćenje savremenih informacionih i komunikacionih tehnologija u radu i obrazovanju.
- Kvalitet završnih, specijalističkih, magistarskih i doktorskih radova.
- Razvoj naučno-istraživačke misli.
- Stvaranje novog nastavno-naučnog kadra.

1.2.2 Studijski programi na Pomorskom fakultetu Kotor

Na Pomorskom fakultetu Kotor od akademske 2017/18 postoje sljedeći studijski programi:

1. Nautika i pomorski saobraćaj, osnovne akademske studije, BSc, 180 ECTS.
2. Brodomaštinstvo, osnovne akademske studije, BSc, 180 ECTS.
3. Pomorska elektrotehnika, osnovne akademske studije, BSc, 180 ECTS.
4. Menadžment u pomorstvu i logistika, osnovne akademske studije, BSc, 180 ECTS.
5. Pomorske nauke, master akademske studije, MSc, 120 ECTS.
6. Menadžment u pomorstvu i logistika, master akademske studije, MSc, 120 ECTS.
7. Zaštita i upravljanje morskom sredinom, MSc, 120 ECTS.
8. Pomorske nauke, doktorske studije, PhD, 180 ECTS.
9. Menadžment u pomorstvu i logistika, doktorske studije, PhD, 180 ECTS.

Kurikulimi na osnovnim akademskim studijskim programima Nautika i pomorski saobraćaj, Brodomaštinstvo i Pomorska nautika su usaglašeni sa zahtjevima

Međunarodne pomorske organizacije (IMO). Ovi kurikulumi su kreirani kroz realizaciju međunarodnog projekta iz programa TEMPUS pod nazivom "Modernizing and harmonizing maritime education in Montenegro and Albania – MArED". Kurikulumi u okviru ovih kao i drugih studijskih programa su akreditovani od strane Savjeta za visoko obrazovanje Crne Gore u maju 2017. godine.

Putem realizacije projekta iz programa HERIC pod nazivom "International certification of maritime education in Montenegro – EDUMAR", na Pomorskom fakultetu Kotor je sprovedena kontrola ovih kurikuluma u cilju međunarodne sertifikacije nastavnih programa osnovnih akademskih studijskih programa Nautika i pomorski saobraćaj, Pomorska elektrotehnika i Brodomaštinstvo od strane međunarodno priznatog sertifikacionog tijela. Nakon sprovedene kontrole, u maju 2017. godine izdata su tri sertifikata o usaglašenosti nastavnih planova i programa sa zahtjevima IMO STCW Konvencije i prema IMO Modelima kurseva 7.01 i 7.03 za Nautiku i pomorski saobraćaj, 7.02 i 7.04 za Brodomaštinstvo i 7.08 za Pomorsku elektrotehniku. Sertifikaciju je sproveo renomirano sertifikaciono tijelo Hrvatski registar brodova, članica IACS-a (eng. International Association of Classification Societies).

Zajednički master studijski program „Zaštita i upravljanje morskom sredinom” Pomorski fakultet Kotor realizuje u saradnji sa Institutom za biologiju mora. Isti je razvijen kroz Erasmus + projekat MEP&M.

1.3 Institut za biologiju mora

Institut za biologiju mora osnovan je Uredbom br. 2079 Izvršnog vijeća Narodne Skupštine Narodne Republike Crne Gore od 23.11.1961. godine. Prve godine od osnivanja, Zavod za biologiju mora djeluje u vili „Firenza“ na području Škaljara, a od 1965. prelazi u palac Radoničić u Dobroti, gdje je smješten do danas. Od osnivanja 1961. godine, pa do 1966. Zavod posluje kao samostalna organizacija, a tada se integriše s Institutom za biološka istraživanja (danas Institut za biološka istraživanja „Siniša Stanković“) iz Beograda, i nastavlja djelovanje kao samostalna organizacija tog instituta.

Godine 1973. Zavod za biologiju mora izdvaja se iz Instituta za biološka istraživanja, i sa Biološkim zavodom i Medicinskim zavodom iz Podgorice, te Institutom „Dr Simo Milošević“ iz Igala udružuje se u Institut za biološka i medicinska istraživanja (IBMI), ali i dalje nastavlja svoj rad kao samostalna organizaciona jedinica.

Dana 2. aprila 1974. godine, predstavnici Ekonomskog fakulteta, Pravnog fakulteta, Tehničkog fakulteta, Pedagoške akademije iz Nikšića, Više pomorske škole u Kotoru, Instituta za biološka i medicinska istraživanja, Istorijskog instituta i Poljoprivrednog instituta udružuju se u Univerzitet u Titogradu (od 1975. do 1992. nazvan Univerzitet „Veljko Vlahović“). Direktor IBMI-ja i potpisnik sporazuma o udruživanju bio je prof. dr Srđan Hajduković.

Tokom 1981. godine, Zavod za biologiju mora izdvaja se iz IBMI u posebnu Organizaciju udruženog rada, Zavod za biologiju mora i oceanografiju (ZBMO), i tako djeluje do 1984. godine, kada se sa Zavodom za eksperimentalnu biologiju i medicinu (posebnom jedinicom nastalom iz međunarodnih laboratorija Zavoda) ujedinjuju u Institut za biologiju mora.

Kroz Član 126 Zakona o visokom obrazovanju iz oktobra 2003, Institut za biologiju mora, zajedno sa Biotehničkim institutom, Institutom za strane jezike i Istorijskim institutom, postaje organizaciona jedinica Univerziteta Crne Gore, ustanove čiji je suosnivač bio gotovo 30 godina ranije. Odlukom Upravnog odbora Univerziteta Crne Gore iz 2004. Institut i formalno postaje njegova organizaciona jedinica i prvi put od svog osnivanja gubi svojstvo pravnog lica.

Institut za biologiju mora je prvenstveno naučno-istraživačka jedinica Univerziteta, i nema vlastitih studijskih programa. Umjesto toga, rad Instituta za biologiju mora od samog početka organizovan je kroz djelovanje laboratorija, čiji broj i nazivi su se mijenjali kroz godine.

Danas je rad Instituta organizovan kroz pet Laboratorija i jedan Centar, i to:

- Laboratorija za ihtiologiju i morsko ribarstvo;
- Laboratorija za bentos i zaštitu mora;
- Laboratorija za hemiju mora i okeanografiju;
- Laboratorija za plankton i kvalitet morske vode;
- Laboratorija za razvojno istraživanje i marikulturu; i
- Centar za zaštitu biodiverziteta Jadrana – Akvarijum Boka.

Laboratorija za ihtiologiju i morsko ribarstvo

Osnovna djelatnost Laboratorije je istraživanje morskog ribarstva (bentoski, pridneni resursi, pelagični resursi, resursi malog obalnog ribolova, ihtioplankton, morski sisari i kornjače). populaciona dinamika ekonomski važnih vrsta riba, rakova i glavonožaca, naučna pomoć razvoju odgovornog ribarstva i predlaganje mjera održivog korišćenja resursa, predlaganje kvota za održivi ribolov ovih resursa. Posebna pažnja posvećena je očuvanju malog obalnog ribolova, koji predstavlja tradiciju, posebno Boke Kotorske i ulcinjske regije

Laboratorija za bentos i zaštitu mora

U Laboratoriji za bentos i zaštitu mora se obavljaju osnovna, primijenjena i razvojna istraživanja iz oblasti organizama morskog dna (bentos) i zaštite mora. Osnovna podjela aktivnosti u okviru ove laboratorije je istraživanje biljne komponente tj. fitobentosa, gdje se izučavaju morske trave i alge i istraživanje životinjske komponente, tj. zoobentosa koji obuhvata najraznovrsnije grupe organizama počev od sunđerica i korala, preko crva, mekušaca, zglavkara, briozoa, bodljokožaca do hordata.

Laboratorija za hemiju mora i okeanografiju

Predmet istraživanja Laboratorije za hemiju mora i okeanografiju odnose se na fizičko-hemijsku analizu morske vode, sedimenata i biote na području Južnog Jadrana. Pored istraživanja šireg područja južnog Jadrana (uključujući i epikontinentalni pojas), istraživanja su fokusirana i na područje teritorijalnog mora Crne Gore, uglavnom uz podršku međunarodnih projekata. Opšti cilj određivanja osnovnih fizičko-hemijskih parametara morske vode odnosi se na harmonizaciju sistema kontrole kvaliteta čovjekove okoline u obalnom području Crne Gore i procjene ekološkog statusa datog područja.

Laboratorija za plankton i kvalitet morske vode

U okviru Laboratorije za plankton i kvalitet morske vode sprovode se osnovna, primijenjena i razvojna naučna istraživanja iz oblasti fitoplanktona, bakterioplanktona kao i određivanje sanitarnog kvaliteta morske vode i sedimenta.

Istraživanja obuhvataju: izučavanje sastava i brojnosti fitoplanktonskih zajednica (kvalitativno i kvantitativno određivanje); zatim procjenu biomase fitoplanktonskih organizama, određivanjem koncentracije hlorofila a kao indikatora procjene biomase fitoplanktona; procjenu stepena eutrofikacije na osnovu brojnosti fitoplanktona i sastava vrsta (fitoplanktonski organizmi indikatori stanja ekosistema) kao i koncentracije hlorofila a; određivanje i determinaciju potencijalno toksičnih i toksičnih vrsta fitoplanktona na uzgajalištima i u morskoj sredini uopšte; praćenje promjena sastava autohtonih fitoplanktonskih organizama i mogućih unosa alohtonih, stranih organizama.

Laboratorija za razvojno istraživanje i marikulturu

U okviru Laboratorije za razvojno istraživanje i marikulturu se obavljaju osnovna, primijenjena i razvojna naučna istraživanja iz oblasti unapređenja morske akvakulture, kao i istraživanje ranih razvojnih stadijuma riba i školjki. Posebno se ističu: izučavanje i unapređenje tehnologije uzgoja jestivih školjaka; procjena biomase i distribucije jestivih školjaka u cilju eksploatacije i eventualne zaštite; uvođenje novih vrsta u proces uzgoja; analiza i odabir lokacija za uzgoj ribe i školjki; analiza ranih razvojnih stadijuma riba i školjki; savjetovanje uzgajivača školjki i riba; integralna multi-trofička akvakultura; monitoring i biomonitoring kvaliteta vode na uzgajalištima školjki i riba.

Centar za zaštitu biodiverziteta Jadrana - Akvarijum Boka

Rad Centra podijeljen je u dva dijela. U najužem smislu, Centar se bavi naučno-istraživačkim radom u području zaštite biodiverziteta Jadranskog mora, posebno eksperimentalna istraživanja u dijelu ponašanja i preživljavanja morskih organizama u vještačkim uslovima. povezivanje sa kolegama iz zemlje i iz regiona, u cilju razmjene iskustava, zajedničkog rada, zatim izrade projektnih aplikacija, realizacije zajedničkih međunarodnih projekata, pisanja zajedničkih naučnih radova, organizovanje naučnih skupova, popularizacija nauke o moru i njegove zaštite, i drugo.

Najvažnija dostignuća jedinice u oblasti naučno-istraživačkog rada i međunarodnoj saradnji

Kao jedina naučno-istraživačka ustanova isključivo posvećena istraživanju mora, kao i organizama i procesa u moru, Institut je dao svoj obol razvoju nauke i istraživačkog procesa u Crnoj Gori, ali i šire.

Svojim djelovanjem u prošlosti kroz međunarodne laboratorije, Institut je znatno doprinio razvoju neuro-nauka na ovom području. Istraživanje neuronauka bilo je organizovano u 5 sekcija: neurohistologija, neurofiziologija, neurohemija, studije ponašanja i ekološke fiziologije (ekofiziologije). Period intenzivnog naučnog rada u ovim laboratorijama trajao je kroz šezdesete i sedamdesete godine prošlog vijeka. Danas su aktivnosti međunarodnih laboratorija preuzele ostale laboratorije Instituta.

I danas, Institut je izuzetno aktivan u naučno-istraživačkom radu.

Institut za biologiju mora uveo i akreditovao sistem kvaliteta MEST EN ISO 17025:2018. Uspostavljeni sistem kontrole kvaliteta omogućuje prepoznavanje Instituta kao

referentog naučno-istraživačkog centra sa naglaskom iz oblasti bioloskih istrazivanja, koji može zadovoljiti stroge kriterijume laboratorijskog rada i uslove međunarodnih i nacionalnih tenderskih procedura.

Značajano dostignuće postignuto je 2021. godine uspostavljanjem prvih zaštićenih morskih područja (*Marine protected Areas*, MPA) u Crnoj Gori, i to „Platamuni“ (april), „Katič“ (septembar) i Stari Ulcinj (decembar), uoči 30. godina od proglašenja Crne Gore ekološkom državom. Veliki doprinos ovom postignuću na nacionalnom nivou, Institut je realizovao kroz dugogodišnje aktivnosti upravo na tom području.

Institut je uključen u istraživanja na polju biomonitoringa, odnosno ispitivanja stepena zagađenja mora kao i odgovor organizama na zagađenje, tj. praćenje akumulacije zagađujućih materija, njihovih štetnih sastojaka u tkivima i organima, praćenje odgovarajućih biohemijskih, morfoloških, fizioloških i patoloških promjena kod jedinki, zatim analiza i eksperimentalni rad na biomarkerima (ispitivanje biomarkera izlaganja, biomarkera efekta i biomarkera osjetljivosti).

Ribarstvena istraživanja koja sprovodi Institut, bilo samostalno ili kroz međunarodnu saradnju, usmjerena su na održivo korišćenje riba i drugih morskih organizama. Uz podršku Ministarstva poljoprivrede, šumarstva i vodoprivrede, Direktorata za ribarstvo Institut od 2017. godine sprovodi Nacionalni program prikupljanja podataka u ribarstvu (DCF/DCRF), usklađen sa standardima i normama Evropske Unije i Generalne komisije za ribarstvo na Mediteranu.

Akvarijum Boka, prvi javni akvarijum u Crnoj Gori, otvoren je 2021. godine, kroz projekat Ambasade Kraljevine Norveške, a zatim uz pomoć Ministarstva poljoprivrede, šumarstva i vodoprivrede, Javnog preduzeća za upravljanje morskim dobrom Crne Gore i Univerziteta Crne Gore. Akvarijum je zamišljen kao demonstrativni centar primarno edukativnog karaktera, u kome se posjetioци mogu uživo upoznati sa jadranskom florom i faunom.

Kao ustanova čija je djelatnost fokusirana isključivo na naučno-istraživački rad, Institut za biologiju mora ne učestvuje direktno u organizaciji i sprovođenju studijskih programa. Ipak, naučnici Instituta učestvovali su u izvođenju studijskih programima drugih organizacionih jedinica Univerziteta Crne Gore, posebno Prirodno-matematičkog fakulteta, pa su tako držali predmete kao što su Marinska biologija; Fiziologija; Alge, lišajevi i gljive; Niže biljke; Citologija, histologija i embriologija, itd.

Izdavačka djelatnost

Institut za biologiju mora izdaje naučni časopis s međunarodnom recenzijom, *Studia marina*. Prvi broj časopisa objavljen je 1965. godine. Tokom svog izlaženja, *Studia marina* objavljivala je radove na našem jeziku, francuskom, italijanskom, a od 1988. gotovo isključivo na engleskom jeziku. Zaključno sa početkom 2023. godine, u *Studii marini* objavljeno je 35 volumena sa 169 naučnih radova. Kao posebna izdanja, objavljene su i tri monografije.

1.3.1 Misija i vizija Instituta za biologiju mora

Institut za biologiju mora Univerziteta Crne Gore ima nacionalnu i međunarodnu odgovornost za istraživanje i očuvanje živog svijeta crnogorskog primorja i južnog Jadrana

kao i za održivo i dugoročno korišćenje njegovih bioloških resursa. Institut za biologiju mora Univerziteta Crne Gore je nacionalni referentni Institut i nezaobilazna adresa za sva pitanja vezana za morski ekosistem crnogorskog primorja i južnog Jadrana, njegovo istraživanje, zaštitu, kao i preporuke za njegovo održivo korišćenje. Institut ima međunarodni kredibilitet i visoku prepoznatljivost u Evropskom istraživačkom prostoru.

2. OPŠTI PODACI O PROGRAMU CŽU

2.1 Prethodna akreditacija programa CŽU

CŽU „Održivi razvoj jahting i kruzing industrija“ je prvi put akreditovan 2022. godine. To je ujedno bio prvi akreditovani program CŽU na engleskom jeziku u Crnoj Gori. Program je realizovan kroz implementaciju Erasmus+ projekta „Jačanje internacionalizacije na univerzitetima u Crnoj Gori kroz efikasno strateško planiranje - IESP“ (www.iesp.ucg.ac.me) kojim je predviđeno da se pokrene program cjeloživotnog učenja - ljetnja škola na engleskom jeziku u cilju jačanja internacionalizacije univerziteta kroz povećanje dolazne mobilnosti (stranih) studenata.

2.2 Povod za ponovnu akreditaciju programa CŽU

Povod za ponovnu akreditaciju programa cjeloživotnog učenja iz oblasti održivog razvoja jahting i kruzing industrije je višestruk.

Nakon COVID 19 pandemije javila se potreba za značajniji upliv digitalnih tehnologija u upravljanju svih vrsta luka, uključujući male luke (marine) i velike luke za prijem kruzer brodova. Iz tog razloga prethodni program je dopunjen sa novom tematskom oblašću „Pametne i digitalne marine i kruzer luke“. Pored ove novine, postojeće tematske oblasti su modernizovane u skladu sa potražnjom u sektoru.

Ponovna akreditacija programa CŽU „Održivi razvoj jahting i kruzing industrija“ je nastavak odgovora u kontekstu plave ekonomije za kadrovima koji su u stanju upravljati savremenim i održivim marinama i kruzer lukama. U periodu od 2014-2024 godine prosječan broj zaposlenih u Crnoj Gori dosegao je nivo od oko 200.000 (MONSTAT, 2025), dok stopa nezaposlenosti iznosi oko 11,5% (novembar 2024 god, MONSTAT 2025). Oko jedne petine ukupne zaposlenosti u zemlji vezano je uz privredne aktivnosti u obalnom području, što znači da je BDP ostvaren u obalnom području po zaposlenoj osobi 1,5 puta veći od državnog prosjeka. Zaposlenost u pomorstvu, lukama i brodogradnji mjeri se stotinama radnih mjesta, što je izuzetno malo s obzirom na dosadašnji nivo razvoja i tradiciju plovidbe u regionu. Dostupne procjene takođe pokazuju da su udio pomorskog prometa u BDP-u i zaposlenost u Crnoj Gori znatno ispod nivoa u drugim mediteranskim zemljama. Stoga je jedan od razloga ponovne akreditacije programa CŽU održivo korišćenje, ekonomski prosperitet i doprinos stabilnosti regiona kreiranjem radnih mjesta i inovativnih poslovnih mogućnosti u pomorskim sektorima.

Postupak ponovne akreditacije je podržan od strane međunarodnog projekta kojim koordinira Univerzitet Crne Gore, Institut za biologiju mora „High level and market-responderent competences for a blue and digitalized smart and skilled South Adriatic – Skills“, kojeg kofinansira Evropska komisija u okviru programa Interreg IPA South Adriatic Programme 2021-2027. Projekat SKILLS ima za cilj unaprjeđenje dostupnosti kvalifikovanih kompetencija i vještina na tržištu rada, sa posebnim fokusom na sektore plave ekonomije u regionu Južnog Jadrana, kroz unapređenje obrazovnih programa, uspostavljanje novih i implementaciju modela obuke kroz praktičan rad. Projekat će obezbijediti polaznike CŽU iz Italije, Albanije kao Crne Gore s obzirom da se projekat implementira na teritorijama ove tri države, što ima za cilj jačanje internacionalizacije i međunarodne vidljivosti Univerziteta Crne Gore.

Ciljna grupa su strani i domaći student, kao i zaposleni u lukama nautičkog i kruzing turizma iz Crne Gore i regiona.

Na svjetskom pomorskom tržištu postoje značajne potrebe za znanjem koje se stiče ovom stručnom kvalifikacijom, što je i pokazano u prethodnom ciklusu.

2.3 Naziv programa CŽU

Naziv programa cjeloživotnog učenja ostaje isti kao u slučaju prethodne akreditacije **„Održivi razvoj jahting i kruzing industrije“ (eng. Sustainable development of yachting and cruise industries).**

2.4 Ciljevi programa CŽU

Osnovni ciljevi organizovanja programa CŽU **„Održivi razvoj jahting i kruzing industrija“** koji će se držati na engleskom jeziku **su sljedeći:**

- Povećanje međunarodne vidljivosti Univerziteta Crne Gore jačanjem procesa njegove internacionalizacije kroz povećanje dolazne mobilnosti studenata sa univerziteta van Crne Gore, i
- jačanje ljudskih kapaciteta u kompanijama čiji je osnovni vid poslovanja plava ekonomija, kao što su kruzing i jahting industrije. Evropska komisija definiše plavu ekonomiju kao "sve ekonomske aktivnosti povezane s okeanima, morima i obalama. Ona pokriva širok spektar međusobno povezanih etabliranih i novih sektora."

2.5 Opis programa CŽU

Program CŽU **„Održivi razvoj jahting i kruzing industrija“** će omogućiti dodatno obrazovanje budućih (studenti) i sadašnjih (profesionalci zaposleni u kompanijama) stručnjaka u oblasti plave ekonomije jačanjem individualne kompetencije pojedinca, te stvaranje upravljačke strukture koja će bolje odgovarati izazovima budućeg razvoja u ovom sektoru.

Program CŽU **„Održivi razvoj jahting i kruzing industrija“** je program iz oblasti plave ekonomije, koji uključuje širu oblast pomorstva, jahting i kruzing operacije i njihovo upravljanje, nautički i kruzing turizam, njihov uticaj na životnu sredinu i upravljenje zaštitom morske sredine i dr.

Program CŽU obuhvata sljedeće tematske oblasti:

- Održivi razvoj nautičkog i kruzing turizma
- Savremeno upravljanje marinama i kruzing lukama
- Bezbjednost i sigurnost u marinama i kruzing lukama
- Procjena glavnih navigacionih parametara
- Planiranje i razvoj infrastrukture marina i kruzing luka
- Pametne i digitalne marine i kruzing luke
- Zelene marine i kruzing luke

2.6 Broj ECTS i trajanje programa CŽU

Program CŽU nosi 3 ECTS. Predviđeno trajanje programa CŽU je ukupno 90 sati, od čega 20 sati teorijske nastave, 20 sati terenske nastave (praktične vježbe) i 50 sati samostalnog rada (tokom neophodne pripreme za pretest kojeg će polagati prije samog početka nastave da bi se utvrdilo predznanje iz oblasti, kao i priprema za završni test).

Početak rada programa CŽU zavisi od datuma dobijanja saglasnosti od strane Senata i Upravnog odbora Univerziteta Crne Gore, postupka akreditacije koju sprovodi Agencija za kontrolu i obezbjeđenje kvaliteta visokog obrazovanja, kao i postupka licenciranja od strane Ministarstva prosvjete, nauke i inovacija. Smatramo da bi početak mogao biti 1.1.2026. godine.

2.7 Vrsta isprave koja se dobija nakon završetka programa CŽU

Poslije završetka programa cjeloživotnog učenja polaznici će dobijati Sertifikat o završenom CŽU, čiji oblik i sadržaj će biti utvrđeni posebnim aktom. Ovo je predviđeno Pravilima CŽU na UCG, Poglavlje X (Prilog br 8 ovog Elaborata).

2.8 Opis ciljne grupe programa CŽU

Ciljna grupa su aktivni studenti, kao i zaposleni u sektoru jahting i krizing industrija (marine, kruzner luke, pomorske agencije, brodari, turistički radnici itd.) sa završenom četvorogodišnjom srednjom školom.

2.9 Uslovi, kriterijumi i postupak upisa na programa CŽU

Uslovi, kriterijumi i postupak upisa na program cjeloživotnog učenja je regulisan Pravilima za programe CŽU na UCG, Poglavlje VI (Prilog br 8 ovog Elaborata).

2.10 Broj polaznika i model finansiranja programa CŽU

Predviđeni broj polaznika je minimum 15, maksimum 40.

Finansiranje programa CŽU je regulisano Pravilima za programe CŽU na UCG, Poglavlje V (Prilog 8). Program CŽU je u cjelini samofinansirajući, sa napomenom da polaznici neće plaćati troškove nastave tokom trajanja projekta SKILLS shodno pravilima programa Interreg Za period nakon završetka SKILLS projekta koji je predviđen za 31.12.2027. godine, predlaže se cijena po polazniku u iznosu od 350 eura za aktivne studente i 700 eura za ostale/zaposlene u kompanijama.

Sredstva ostvarena od uplata polaznika programa raspoređivaće se prema Statutu UCG i Pravilniku o načinu korišćenja sredstava i ostalim primanjima zaposlenih na projektima, na poslovima sa tržišta, akreditovanim samofinansirajućim studijskim programima koji se izvode na jezicima koji nijesu u zvaničnoj upotrebi u Crnoj Gori i u okviru posebnih oblika nastave (Prilog 7).

Projektovani prihodi i rashodi u najnepovoljnijem slučaju sa 15 studenata su navedeni u sljedećoj tabeli (Shodno Članu 6 Pravilnika), tabela 3.

Prihoda u prvoj godini neće biti, shodno pravilima Interreg programa. Troškovi pod 3, 4 i 5 će se pokrivati iz sredstava projekta SKILLS tokom njegovog trajanja.

Shodno pravilima Interreg programa, ovaj program CŽU mora biti održiv najmanje 5 godina nakon završetka projekta. U slučaju potrebe, Pomorski fakultet Kotor i Institut za biologiju mora će iz sopstvenih sredstava (projekti, obuke pomoraca i sl.) nadomjestiti nedostajuća finansijska sredstva u cilju održivosti programa CŽU u cilju promocije internacionalizacije Univerziteta Crne Gore.

Tabela 3 Plan prihoda i rashoda CŽU

	Projektovani prihodi	Školarina po studentu	Ukupno
1	Školarina (minimum 15 studenata)	min. 350 €	min 5.250 €
	Ukupni prihodi		min 5.250 €
	Projektovani rashodi		
1	Univerzitet Crne Gore (15 % od ukupnog prihoda)		787,5 €
2	Pomorski fakultet Fond R (15% od ukupnog prihoda, od čega se pokrivaju troškovi vode, struje i sl.)		787,5 €
	Ostalo za realizaciju CŽU (70% od ukupnog prihoda):		
3	Bruto nadoknade za nastavnike i administraciju (max.50% od ukupnog prihoda 45/5)		2.625 €
4	Troškovi transporta polaznika do marine Porto Montenegro i do Luke Kotor (max.5 % od ukupnog prihoda)		262,5 €
5	Troškovi promovisanja ljetnje škole/CŽU (min.15% od ukupnog prihoda)		787,5 €
	Ukupni rashodi		min. 5.250,00 €
	Dobit		-

2.11 Obaveze polaznika programa CŽU

Da bi se mogli smatrati kvalifikovanim polaznicima, moraju ispuniti sljedeće uslove:

- Studenti:
 - ✓ U trenutku prijave mora biti prijavljen kao redovni student.
 - ✓ Dobro poznavanje engleskog jezika, minimum B2 nivoa.
- Zaposleni (profesionalci):
 - ✓ Dobro poznavanje engleskog jezika, minimum B2 nivoa.

Svi polaznici moraju da polažu pred-test i završni test, da aktivno učestvuju na predavanjima i vježbama, kao i da predaju zadatke na vrijeme i da prisustvuju pokaznim vježbama u marinama i lukama.

Preporuka je da svi polaznici imaju u posjedu prenosni računar ili tablet sa instaliranim microsoft office programima i zoom aplikacijom.

3. PLAN I PROGRAM CŽU

3.1 Plan programa CŽU

Plan programa CŽU je podijeljen prema tematskim cjelinama kako je prikazano u sljedećoj tabeli.

Tabela 4 Plan programa CŽU „Održivi razvoj jahting i kruzing industrije“.

Br.	Tematske cjeline
1	Održivi razvoj nautičkog i kruzing turizma
2	Savremeno upravljanje marinama i kruzing lukama
3	Bezbijednost i sigurnost u marinama i kruzing lukama
4	Planiranje i razvoj infrastrukture marina i kruzing luka
5	Procjena glavnih navigacionih parametara
6	Pametne i digitalne marine i kruzing luke
7	Zelene marine i kruzing luke

3.2 Program CŽU

Program CŽU „Održivi razvoj jahting i kruzing industrije“ je dat u Prilogu br. 1.

4. ISHODI UČENJA PROGRAMA CŽU

Opšti ishodi učenja, koji se stižu na programu cjeloživotnog učenja, definisani su potrebama tržišta koji su nastali nakon istraživanja potreba marina, kruzing luka, pomorskih agencija i dr. Nakon savladavanja ovog programa, polaznici bi trebali biti u mogućnosti da:

- opisu najnovije trendove u nautičkom i kruzing turizmu;
- primjenjuju savremene metode upravljanja marina i kruzer luka;
- dožive praktična iskustva u upravljanju savremenim marinama i kruzer lukama;
- objasne savremene metode navigacije;
- opisu koncept razvoja infrastrukture modernih marina i kruzer luka;
- primjenjuju savremene metode u cilju obezbjeđivanja sigurnosti i bezbjednosti marina i kruzer luka;
- da kritički sagledaju i primijene digitalne tehnologije u cilju unaprijeđenja operativne efikasnosti, zaštite životne sredine, korisničkog iskustva i sajber bezbjednosti u pametnim marinama i kruzing lukama;
- klasifikuju različite vrste zagađivača sa jahti i kruzera i metode njihovog uklanjanja.

Specifični ishodi učenja su dati u okviru Priloga br 1 za svaku oblast ponaosob.

5. NAČIN IZVOĐENJA NASTAVE PROGRAMA CŽU

Nastava će se realizovati posredstvom predavanja, vježbi (računskih, laboratorijskih, pokaznih, praktičnih i na brodskom simulatoru) i samostalnog rada polaznika. Kao dodatni vid izvođenja nastave polaznicima će biti obezbijeden pristup *on-line* nastavnim materijalima i testovima za *on-line* provjeru znanja kroz automatsku obradu i prezentacije postignutih rezultata.

Provjere znanja polaznika će se realizovati na način da će se na početku programa provjeriti prethodno stečeno znanje polaznika iz oblasti održivog razvoja u jahting i kruzing industijama putem inicijalnog testa. Nakon vremenskog perioda predviđenog za realizaciju programa cjeloživotnog učenja kroz nastavu kandidati će pristupiti elektronskom polaganju Završnog ispita, na osnovu čega će se utvrditi njihov ostvareni napredak. Konačna ocjena ovog programa se formira kontinuiranim praćenjem rada i postignutih rezultata polaznika na Završnom ispitu.

Provjera znanja će se vršiti na način kako je regulisano QMS P09 na PFK (Prilog 9) i Pravilima CŽU, Poglavlje VII (Prilog 8).

6. RESURSI ZA REALIZACIJU PROGRAMA CŽU

6.1 Osoblje uključeno u realizaciju programa CŽU

S obzirom na interdisciplinarni karakter programa CŽU, u realizaciju nastave programa CŽU biće uključeno nastavno osoblje Pomorskog fakulteta Kotor (PFK), Instituta za biologiju mora (IBM), Fakulteta za turizam i hotelijerstvo (FTH), Elektrotehničkog fakulteta (ETF), kao i stručnjaci iz marina i luka koji su već angažovani u nastavnom procesu na Univerzitetu Crne Gore kroz eksterni konkurs, a čije je praktično znanje i iskustvo koje prenose polaznicima i polaznicima obuka od velikog značaja.

Sljedeće osoblje će biti uključeno u realizaciju programa CŽU:

1. Prof. dr Danilo Nikolić, UCG/PFK
2. Prof. dr Špiro Ivošević, UCG/PFK
3. Doc. dr Miroslav Vukičević, upravitelj stroja, UCG/PFK
4. Dr Maja Škurić UCG/PFK
5. Mr Radmila Gagić, UCG/PFK
6. Mr Ivan Mraković, kapetan, UCG/PFK
7. Mr Igor Petrović, kapetan, UCG/PFK
8. Dr Mirko Đurović, UCG/IBM
9. Dr Aleksandar Joksimović, UCG/IBM
10. Dr Milica Mandić, UCG/IBM
11. Dr Vesna Mačić, UCG/IBM
12. Dr Slavica Petović, UCG/IBM
13. Dr Ana Pešić, UCG/IBM
14. Dr Dragana Drakulović, UCG/IBM
15. Dr Aleksandra Huter, UCG/IBM
16. Dr Sandra Jokanović, UCG/IBM
17. Mr Nikola Đorđević, UCG/IBM
18. Doc. dr Ilija Moric, UCG/FTH
19. Prof. dr Vesna Popović Bugarin, UCG/ETF
20. Prof. dr Nikola Žarić, UCG/ETF
21. Mr Miodrag Zarubica, UCG/ETF
22. Dr Tena Božović, Luka Kotor, eksterno angažovana na UCG/PFK/FTH
23. Dr Zoran Kovačević, Institut Simo Milošević, eksterno angažovan na UCG/PFK

U Prilozima 3, 4 i 5 data je biografija sa bibliografijom rukovodioca programa, lista osoblja koje će biti uključeno u realizaciju programa sa njihovim biografijama i bibliografijama.

S obzirom da je Pomorski fakultet nosilac ovog programa CŽU (prethodna akreditacija), za rukovođenje programom biće odgovoran dekan, prodekan za nastavu i rukovodilac programa cjeloživotnog učenja.

6.2 Fizički i materijalni uslovi za izvođenje programa CŽU

Program cjeloživotnog učenja će se organizovati na Pomorskom fakultetu u Kotoru (slika 1) i Institutu za biologiju mora (slika 6), pri čemu će se dio pokaznih vježbi organizovati u Luci Kotor (slika 12) i marini Porto Montenegro (slika 13).

Nastava i vježbe će se izvoditi u postojećim učionicama i laboratorijama Pomorskog fakulteta Kotor i Instituta za biologiju mora koji će kroz projekat SKILLs renovirati veliku salu za prezentacije. Za potrebe programa CŽU, nastava će se na Pomorskom fakultetu Kotor organizovati u prostorijama Amfiteatra, sali nautičkog simulatora i u računarskoj sali 1 (slike 2 – 5). Nastava i vježbe na Institutu za biologiju mora će se održavati u konferencijskoj Sali Instituta (Slika 7) Laboratoriji za plankton i kvalitet vode (Slika 8), Laboratoriji za hemiju mora i okeanografiju (Slika 9), Laboratoriji za ihtiologiju i morsko ribarstvo (Slika 10), Laboratoriji za marikulturu (Slika 11).

Prostori na Fakultetu i Institutu je opremljen kompjuterskom opremom, što omogućava nastavnom osoblju adekvatnu pripremu nastave i komunikaciju, ali i polaznicima obuku, u oblastima kod kojih je primjena informacionih tehnologija neophodna.



Slika 1 Zgrada Pomorskog fakulteta Kotor. Foto PFK



Slika 2 Amfiteatar. Foto PFK



Slika 3 Nautički simulator Wartsila Transas NTPro 5000, učionica. Foto PFK



Slika 4 Nautički simulator Wartsila Transas NTPro 5000, konzola. Foto PFK



Slika 5 Računarska sala 1. Foto PFK



Slika 6 Zgrada instituta za biologiju mora. Izvor foto Miodrag Zarubica



Slika 7 Konferencijska Sala Instituta za biologiju mora. Izvor foto IBM



Slika 8 Dio laboratorije za kvalitet vode. Izvor foto IBM



Slika 9 Dio laboratorije za hemiju mora i okeanografiju. Izvor foto IBM



Slika 10 Dio laboratorije za ihtiologiju i morsko ribarstvo_mokra laboratorija



Slika 11 Laboratorija za marikulturu. Izvor foto IBM



Slika 11 Luka i marina Kotor: Izvor MINA/skyphotos



Slika 12 Marina Porto Montenegro. Izvor: <https://www.portomontenegro.com/marina/>

6.3 Pomorska biblioteka

Polaznicima i nastavnicima stoji na raspolaganju biblioteka Pomorskog fakulteta u Kotoru (slike 11 i 12) u kojoj se nalaze naslovi na crnogorskom i engleskom jeziku iz šire oblasti pomorstva, turizma, ekologije i drugih oblasti zastupljenih u programu CŽU.

To je visokoškolska biblioteka koja djeluje u sastavu mreže akademskih biblioteka Univerziteta Crne Gore. Smještena je u Zgradi Centralne komisije u Dobroti – kulturno-istorijskom spomeniku u kojem je 29. oktobra 1813. održano ujedinjenje Crne Gore i Boke Kotorske, pod predsjedavanjem Petra I Petrovića.

Biblioteka se može pohvaliti referentnom zbirkom opštih i stručnih enciklopedija, rječnika i leksikona, sistematski formiranu od samog osnivanja ustanove. Biblioteka trenutno raspolaže fondom od oko 10.000 jedinica, od čega je dobar dio pretraživ putem javno dostupnog elektronskog kataloga COBISS.CG (<https://cg.cobiss.net>).

Pomorska biblioteka ima udobnu, klimatizovanu čitaonicu sa 10-ak mjesta, opremljenu bežičnim internetom.

Pomorska biblioteka primjenjuje Sistem kvaliteta implementiran na Pomorskom fakultetu u Kotoru i podliježe internoj i eksternoj evaluaciji.



Slika 11 Zgrada Pomorske biblioteke u Kotoru.

Foto PFK



Slika 12 Depo pomorske biblioteke. Foto PFK

7. OBLIK PRAĆENJA KVALITETA NASTAVE PROGRAMA CŽU

7.1 Procjena kvaliteta programa CŽU od strane polaznika

Polaznici će biti u prilici da procjene kvalitet programa CŽU putem elektronske, *on-line* ankete, shodno Pravilima CŽU na UCG, Poglavlje VIII (Prilog 8), kao i sistemom kvaliteta na Fakultetu, procedura PF P05 - Utvrđivanje i preispitivanje zahtjeva korisnika, koja predviđa kontinualno ocjenjivanje nastavnog osoblja od strane polaznika, te praćenje daljih aktivnosti u pogledu poboljšanja izvođenja nastavnog procesa koje se usvajaju na vijećima Fakulteta.

Izveštaji anketa se razmatraju na Vijeću Fakulteta i usvajaju na redovnim godišnjim preispitivanjima rukovodstva.

7.2 Implementacija sistema kvaliteta na Pomorskom fakultetu Kotor

Prilagođavajući se strogim zahtjevima međunarodne pomorske organizacije IMO, Pomorski fakultet Kotor implementira sistem upravljanja kvalitetom QMS EN ISO 9001 već dvije decenije. Na taj način, rad Fakulteta se ocjenjuje od strane renomiranih eksternih provjeravača. Prije dvadeset godina Fakultet je uveo sistem upravljanja kvalitetom u okviru standarda ISO 9001:2001 od strane renomiranog provjerivača Lloyd Register-a. Od tada, Fakultet je stalno usklađivao i pratio standarde, te je tako u maju 2004. godine dobio sertifikat za standard ISO 9001:2008 i 2017. godine dobio sertifikat za standard EN ISO 9001:2015 od strane Hrvatskog Registra Brodova (eng. Croatia Shipping Register). U oktobru 2020. godine nakon eksterne provjere od strane CRS-a, PFK dobija Certifikat koji se odnosi na opseg djelatnosti: Djelatnost univerzitetskog obrazovanja u oblasti pomorskih nauka i menadžmenta u pomorstvu i logistike, kao i djelatnost obuka pomoraca u skladu sa zahtjevima STCW konvencije 78/95/10 u sukladnosti sa zahtjevima norme: EN ISO 9001:2015. U maju 2023. godine na Fakultetu je izvršena resertifikacija i ovaj sertifikat je validan do maja 2026. godine

Takođe od strane Hrvatskog registra brodova (CRS) Pomorski fakultet ima Certifikat koji važi do maja 2026.godine, a za studijske programe na kojima se školuju budući pomorci i to: Nautika i pomorski saobraćaj (STCW A-II/1, IMO MODEL COURSE 7.03, STCW A-II/2, IMO MODEL COURSE 7.01), Brodomaštinstvo (STCW A-III/1, IMO MODEL COURSE 7.04, STCW A-III/2, IMO MODEL COURSE 7.02) i Pomorsku elektrotehniku ((STCW A-II/1, IMO MODEL COURSE 7.03, STCW A-III/6, IMO MODEL COURSE 7.08). Bureau Veritas kontroliše jednom godišnje primjenu QMS kada su u pitanju obuke pomoraca i rad CZOP-a.

Implementirani sistem kvaliteta, sertifikovan od strane pomenutih eksternih provjerivača, predviđa Priručnik kvaliteta i 14 procedura u okviru dokumentovanog upravljanja kvalitetom.

Modelom su jasno definisane sve procedure sistema koje se odnose na sistem upravljanja, kontrolu i praćenje procesa te nadzora na cijelom Fakultetu, kontrole i poboljšanja sistema na način na koji je organizovan svaki sistem kvaliteta jedne obrazovne institucije. Na osnovu Politike kvaliteta i strategije Fakulteta definišu se ciljevi na nivou akademске godine.

7.3 Procedure kontrole kvaliteta

Implementirani sistem kvaliteta, sertifikovan od strane CRS-a, uključuje Priručnik kvaliteta i sljedećih 13 procedura:

1. PF P01 Ciljevi kvaliteta i planiranje njihovog ostvarivanja.
2. PF P02 Nabavka i održavanje sredstava za rad.
3. PF P03 Obuka i usavršavanje zaposlenih.
4. PF P04 Upravljanje dokumentovanim informacijama.
5. PF P05 Utvrđivanje i preispitivanje zahtjeva korisnika.
6. PF P06 Razvoj novih usluga.
7. PF P07 Rad biblioteke.
8. PF P08 Rad studentske službe.
9. PF P09 Nastavni proces.
10. PF P10 Obuka pomoraca.
11. PF P11 Interne provjere.
12. PF P12 Preispitivanje od strane rukovodstva.
13. PF P13 Neusaglašenosti i korektivne mjere.
14. PF P14 Rad Centra za istraživanje, inovacije i preduzetništvo (CzIIP)

Sistemom kvaliteta predviđeno je stalno trogodišnje eksterno provjeravanje cjelokupnog sistema kvaliteta u cilju njegovog verifikovanja i produženja sertifikata, te odgovarajuće periodične međuprovjere od strane Hrvatskog registra brodova. Sve ovo realizuje se u cilju kontinualnog poboljšanja i usavršavanja, te praćenja savremenih zahtjeva nacionalne i međunarodne regulative.

Pomorski fakultet Kotor stalno poboljšava pogodnost, adekvatnost i efektivnost sistema menadžmenta kvalitetom.

Pomorski fakultet Kotor razmatra rezultate analize i vrednovanja, izlazne elemente preispitivanja od strane rukovodstva, da utvrdi da li postoje potrebe ili prilike kojima se mora baviti u okviru stalnog poboljšavanja.

7.4 Implementacija sistema kontrole kvaliteta na Institutu za biologiju mora

Institut za biologiju mora Kotor posjeduje uspostavljen eksterni sistem kvaliteta MEST EN ISO 17025:2017 (implementacija temeljnog sistema kvaliteta laboratorija sa visokim kompetencijama za pružanje validnih i pouzdanih rezultata analiza). Tokom redovnih sjednica Naučnog Vijeća Instituta, kao i tokom sastanaka koji se organizuju sa neakadmskim osobljem, ističe se značaj i obaveza poštovanja principa akademskog integriteta, poštovanje etičkog kodeksa Univerziteta, što je osnov za jačanje kulture kvaliteta Instituta za biologiju mora.

Kontinuirano se unaprijeđuje kvalitet naučno-istraživačkog i stručnog rada zaposlenih kroz primjenu međunarodnih standarda i smjernica za razvoj kvaliteta, a u skladu sa

međunarodnim standardima i metodologijama rada, dok svaki zaposleni snosi odgovornost za kvalitet u kontekstu svojih profesionalnih obaveza.

Lista Priloga:

1. Nastavni plan i program cjeloživotnog učenja
2. Plan održavanja nastave programa CŽU
3. Stručna biografija rukovodioca programa
4. Spisak akademskog osoblja koji sprovode program
5. Stručne biografije akademskog osoblja koje sprovodi program
6. Pisma namjere eksternih kompanija
7. Pravilnik UCG o načinu korišćenja sredstava i ostalim primanjima zaposlenih na projektima, na poslovima sa tržišta, akreditovanim samofinansirajućim studijskim programima koji se izvode na jezicima koji nijesu u zvaničnoj upotrebi u Crnoj Gori i u okviru posebnih oblika nastave
8. Pravila za programe cjeloživotnog učenja na Univerzitetu Crne Gore
9. Procedura QMS PFK 009 Nastavni proces
10. Odluka savjeta za kvalifikacije
11. Pijedlog izgleda setifikata
12. Odluka Vijeća Pomorskog fakulteta Kotor
13. Odluka Vijeća Instituta za biologiju mora

PRILOG #1 NASTAVNI PLAN I PROGRAM CŽU

Br.	Tematske cjeline
1	Održivi razvoj nautičkog i kruzing turizma
2	Savremeno upravljanje marinama i kruzing lukama
3	Bezbjednost i sigurnost u marinama i kruzing lukama
4	Planiranje i razvoj infrastrukture marina i kruzing luka
5	Procjena glavnih navigacionih parametara
6	Pametne i digitalne marine i kruzing luke
7	Zelene marine i kruzing luke

ODRŽIV RAZVOJ NAUTIČKOG I KRUIZING TURIZMA

Program

Nastavne teme:

1. Uvod u nautički i kruzing turizam.
2. Globalne karakteristike ponude i potražnje u nautičkom i kruzing turizmu.
3. Povezanost obalnog i pomorskog turizma. Obalni i pomorski turizam u kontekstu plave ekonomije.
4. Praktična vježba: Izlet na farme školjki/ribe i/ili proizvodnju maslinovog ulja u Bokokotorskom zalivu kao primjer inovativne lokalne turističke ponude za nautičke i kruzing turiste.

Ishodi učenja:

1. Analizirati socio-ekonomski uticaj pomorskog turizma u okviru globalnih održivih okvira.
2. Razviti strategije za ublažavanje problema prekomjernog turizma koristeći primjere iz prakse.
3. Osmišljavati turistička iskustva usklađena sa kulturnim vrijednostima i ekološkim ograničenjima.

Metodologija nastave:

1. PowerPoint prezentacije predavača
2. Studija slučaja
3. Diskusija
4. Praktične vježbe: posjeta lokalitetima kulturne baštine i agroturizma

Očekivani predavači:

1. Prof. dr Ilija Morić
2. Dr Tena Božović
3. Dr Aleksandar Joksimović
4. Dr Milica Mandić

Literatura:

1. Dr Ilija Morić: PPT
2. Dr Tena Božović: PPT
3. Dr Aleksandar Joksimović: PPT
4. Dr Milica Mandić: praktičan rad na terenu sa usmenom prezentacijom

SAVREMENO UPRAVLJANJE MARINAMA I KRUZING LUKAMA

Program

Nastavne teme:

1. Efikasno upravljanje marinama i inovativne marketinške strategije. Operacije, održivost, korisničko iskustvo i moderni marketinški alati kao što su digitalne platforme, brendiranje i uključivanje zainteresovanih strana. Studija slučaja: Marina Porto Montenegro.
2. Efikasno upravljanje kruzing lukama i inovativne marketinške strategije. Operacije, održivost, korisničko iskustvo i moderni marketinški alati. Studija slučaja: Luka Kotor.
3. Praktična vježba: Posjeta Marini Porto Montenegro.
4. Praktična vježba: Posjeta kruzing luci Kotor.

Ishodi učenja:

1. Analizirati strategije upravljanja marinama i kruzing lukama.
2. Analizirati operacije marina i luka kroz prizmu održivosti i korisničkog iskustva.

Metodologija nastave:

1. PowerPoint prezentacije predavača
2. Studija slučaja
3. Praktične vježbe: posjete marini i kruzing luci
4. Diskusija

Očekivani predavači:

1. Dr Tena Božović
2. Dr Zoran Kovačević

Literatura:

1. Dr Tena Božović: PPT
2. Dr Zoran Kovačević: PPT

BEZBIJEDNOST I SIGURNOST U MARINAMA I KRUZING LUKAMA

Program

Nastavne teme:

1. Uvod u aspekte bezbjednosti i sigurnosti u marinama i lukama. Međunarodni kodeks za sigurnost brodova i luka (ISPS kodeks), sigurnosni protokoli, procedure i odgovornosti.
2. Bezbjednosne prijetnje, oprema, planovi upravljanja sigurnošću i rizikom u marinama i lukama.
3. Studija slučaja: Pametni sigurnosni sistemi luka na Mediteranu.

Ishodi učenja:

1. Prepoznati razliku između pojmova „bezbjednost” i „sigurnost”.
2. Opisati ključne međunarodne propise u oblasti bezbjednosti i sigurnosti pomorskog saobraćaja.
3. Opisati mjere preventivne radnje koje se primjenjuju u lukama i marinama.
4. Prepoznati prijetnje po sigurnost u lukama i marinama.
5. Uspješno sprovesti procjenu rizika u lukama i marinama.

Metodologija nastave:

1. PowerPoint prezentacije predavača
2. Studija slučaja
3. Diskusija

Očekivani predavači:

1. Prof. dr Špiro Ivošević
2. Doc. dr Miroslav Vukićević
3. Mr Ivan Mraković, kapetan

Literatura:

1. Witherby Publishing Group, BIMCO i International Chamber of Shipping (ICS). (2019). Cyber Security Workbook for On Board Ship Use.
2. Nautical Institute. (2012). Maritime Security: A Practical Guide.
3. Špiro Ivošević: PPT
4. Miroslav Vukićević: PPT
5. Ivan Mraković: PPT

PLANIRANJE I RAZVOJ INFRASTRUKTURE MARINA I KRUIZING LUKA

Program

Nastavne teme:

1. Razvoj infrastrukture i usluga u kruzing lukama.
2. Razvoj infrastrukture i usluga u marinama.
3. Tipovi brodova i njihove značajne karakteristike za pristup marinama i lukama.
4. Logistička podrška dolasku i odlasku jahti i kruzera.

Ishodi učenja:

1. Identifikovati i klasifikovati usluge i infrastrukturu u kruzing lukama.
2. Identifikovati i klasifikovati usluge i infrastrukturu u marinama.
3. Opisati tipove brodova i njihove značajne karakteristike pri pristupanju marinama i lukama.

Metodologija nastave:

1. PowerPoint prezentacije predavača
2. Studija slučaja
3. Diskusija

Očekivani predavači:

1. Dr Maja Škurić
2. Dr Zoran Kovačević
3. Dr Tena Božović

Literatura:

1. Dr Zoran Kovačević: PPT
2. Dr Maja Škurić: PPT
3. Dr Tena Božović: PPT
4. Gibson, P. & Parkman, R. (2019). Cruise Operations Management.
5. Dowling, R. & Weeden, C. (2017). Cruise Ship Tourism.
6. Stefanidaki, E. & Lekakou, M. (2013). Cruise Carrying Capacity.
7. PND Engineers, Inc. (2015). Cruise Ship Facilities Planning.
8. Wilson, A.M.W., Mugerauer, R., & Klinger, T. (2015). Rethinking Marine Infrastructure Policy.

PROCJENA OSNOVNIH NAVIGACIONIH PARAMETARA

Program

Nastavne teme:

1. Uvod u sigurnost pomorske navigacije.
2. SOLAS, COLREG i nacionalni propisi o sigurnosti navigacije u Bokokotorskom zalivu.
3. Osnovna navigaciona oprema.
4. Primjena RADAR/ARPA sistema za poboljšanje sigurnosti navigacije.
5. Korišćenje RADAR/ARPA za određivanje pozicije broda i izbjegavanje sudara na moru.
6. Primjena ECDIS sistema za unapređenje sigurnosti navigacije.
7. Primjena ECDIS sistema za planiranje rute i nadzor navigacije.

Ishodi učenja:

1. Primijeniti pametne alate za navigaciju za unapređenje operativne sigurnosti i efikasnosti.
2. Tumačiti digitalne navigacione karte (ECDIS) za planiranje ruta i smanjenje emisija.
3. Analizirati navigacione rizike i predložiti strategije ublažavanja.
4. Razumjeti međunarodne konvencije o sigurnosti pomorskog saobraćaja.

Metodologija nastave:

1. PowerPoint prezentacije predavača/stručnjaka
2. Demonstracione vježbe na Wärtsilä simulatorima sa RADAR/ARPA opremom
3. Demonstracione vježbe na Wärtsilä simulatorima sa ECDIS opremom
4. Studija slučaja
5. Diskusija

Očekivani predavači:

1. Mr Ivan Mraković, kapetan
2. Mr Igor Petrović, kapetan

Literatura:

1. IMO (2003) COLREG 1972.
2. IMO (2020) SOLAS 2020.
3. Stanovčić, I., & Mraković, I. (2020). Pravila držanja navigacione straže na brodu.
4. Witherby Publishing Group (2019) Passage Planning Guidelines.

PAMETNE I DIGITALNE MARINE I KRUIZING LUKE

Program

Nastavne teme:

1. Pametne tehnologije u marinama i lukama (IoT, AI predikcija potražnje, digital twins).
2. Digitalizacija i integracija novih tehnologija u pomorskim operacijama.
3. Digitalne platforme za dizajn korisničkog iskustva.
4. Cyber sigurnost u pametnim marinama i lukama.
5. Digitalni blizanci i pametne kontrolne table za marine i luke.
6. Primjena AI i daljinskog osmatranja u zaštiti morskog ekosistema.
7. Blockchain u pomorskoj logistici i praćenju.

Ishodi učenja:

1. Prepoznati i procijeniti rizike sajber bezbjednosti u lučkim operacijama.
2. Primijeniti digitalne alate za planiranje turističkih iskustava.
3. Primijeniti IoT i tehnologije daljinskog osmatranja za zaštitu morskog ekosistema.
4. Evaluirati alate za prikupljanje i obradu podataka o životnoj sredini.
5. Identifikovati ključne informacije tehnologije u nautičkom turizmu.
6. Definirati nove tehnologije u pomorskim operacijama i praćenju ekosistema.
7. Razumjeti principe održivog upravljanja morskim ekosistemima.
8. Shvatiti značaj zdravlja morskih ekosistema za razvoj plave ekonomije.

Metodologija nastave:

1. PowerPoint prezentacije predavača
2. Studija slučaja
3. Diskusija

Očekivani predavači:

1. Prof. dr Vesna Popović Bugarin
2. Prof. dr Nikola Žarić
3. Dr Maja Škurić
4. Mr Miodrag Zarubica
5. Mr Ivan Mraković
6. Mr Nikola Đorđević

Literatura:

1. PPT prezentacije svih predavača.

ZELENE MARINE I KRUIZING LUKE

Program

Nastavne teme:

1. Uvod u zagađenje mora i obale.
2. EU i IMO okvir za zaštitu morske životne sredine (MARPOL, Barselonska konvencija, EU direktive).
3. Zaštićena morska područja (uslovi za razvoj nautičkog i kruzing turizma).
4. Uticaj jahti i kruzera na zagađenje mora i obale.
5. Dekarbonizacija i energetska efikasnost u sektoru krstarenja i marina.
6. Cirkularna ekonomija u radu marina i luka (upravljanje otpadom, reciklaža vode, održivi materijali).
7. Zeleni sertifikati i standardi za marine i luke (Blue Flag, ISO 14001, EcoPort).
8. Praktična vježba: Monitoring kvaliteta vazduha u blizini luka.
9. Praktična vježba: Monitoring kvaliteta morske vode i biote u lukama.

Ishodi učenja:

1. Prepoznati glavne izvore i vrste zagađenja mora i obale.
2. Tumačiti i primijeniti međunarodne i regionalne pravne okvire zaštite mora.
3. Procijeniti kompatibilnost turizma sa ekološkim zahtjevima zaštićenih područja.
4. Evaluirati uticaj operacija jahti i kruzera na biodiverzitet i industrije obale.
5. Predložiti strategije za dekarbonizaciju i energetska efikasnost.
6. Primijeniti principe cirkularne ekonomije.
7. Prepoznati značaj zelenih sertifikata za održivo upravljanje.
8. Prikupljati i analizirati podatke o kvalitetu vazduha i vode.

Metodologija nastave:

1. Vizuelne prezentacije
2. Studija slučaja
3. Praktične vježbe
4. Diskusija

Očekivani predavači:

1. Prof. dr Danilo Nikolić
2. Dr Milica Mandić
3. Dr Vesna Mačić
4. Dr Slavica Petović

5. Dr Ana Pešić
6. Dr Dragana Drakulović
7. Dr Aleksandra Huter
8. Dr Sandra Jokačević
9. Mr Radmila Gagić

Literatura:

1. PPT prezentacije svih predavača.

PRILOG #2 PLAN ODRŽAVANJA PROGRAMA CŽU

Day	Time	Thematic Unit	Lecture room	
Tuesday	08:30 - 09:15	Preparation for pre-test	Online	
	09:15 - 10:00			
	10:00 - 10:15	break		
	10:15 - 11:00	Preparation for pre-test	Online	
	11:00 - 11:45			
Wednesday	08:30 - 09:15	Preparation for pre-test	Online	
	09:15 - 10:00			
	10:00 - 10:15	break		
	10:15 - 11:00	Preparation for pre-test	Online	
	11:00 - 11:45			
Monday	08:00 - 08:30	Registration of attendees		
	08:30 - 09:00	Official opening ceremony	PFK Amphitheatre	
	09:00 - 10:00	Pre-test for attendees		
	10:00 - 10:15	break		
	10:15 - 11:00	TU1_Part 1	PFK Amphitheatre	
	11:00 - 11:45	lunch break		
	11:45 - 14:00			
	14:00 - 14:45	TU1_Part 2	PFK Amphitheatre	
	14:45 - 15:30	break		
	15:30 - 15:45			
	15:45 - 16:30	Field exercises		
16:30 - 17:00				
Tuesday	08:30 - 09:15	TU2_Part 1	PFK Amphitheatre	
	09:15 - 10:00			
	10:00 - 10:15	break		
	10:15 - 11:00	TU2_Part 2	PFK Amphitheatre	
	11:00 - 11:45			
	11:45 - 14:00	lunch break		
	14:00 - 14:45	Practical exercises @ Marina Porto Montenegro		
	14:45 - 15:30			
	15:30 - 15:45			
	15:45 - 16:30			
	16:30 - 17:00			
Wednesday	08:30 - 09:15	TU3	PFK Amphitheatre	
	09:15 - 10:00			
	10:00 - 10:15	break		
	10:15 - 11:00	TU4	PFK Amphitheatre	
	11:00 - 11:45			
	11:45 - 14:00	lunch break		
	14:00 - 14:45	Practical exercises @ Cruise Port Kotor		
	14:45 - 15:30			
	15:30 - 15:45			
	15:45 - 16:30			
	16:30 - 17:00			
Thursday	08:30 - 09:15	TU5_Part 1	PFK Nautical simulator	
	09:15 - 10:00			
	10:00 - 10:15	break		
	10:15 - 11:00	TU5_Part 2	PFK Nautical simulator	
	11:00 - 11:45			
	11:45 - 14:00	lunch break		
	14:00 - 14:45	TU6_Part 1	PFK Amphitheatre	
	14:45 - 15:30			
	15:30 - 15:45	break		
	15:45 - 16:30	TU6_Part 2	PFK Amphitheatre	
	16:30 - 17:00			
Friday	08:30 - 09:15	TU7_Part 1	PFK Amphitheatre	
	09:15 - 10:00			
	10:00 - 10:15	break		
	10:15 - 11:00	TU7_Part 2	IBM Conference room	
	11:00 - 11:45			
	11:45 - 14:00	lunch break		
	14:00 - 14:45	Practical exercises @ IBM laboratories		
	14:45 - 15:30			
	15:30 - 15:45	break		
	15:45 - 16:30	Practical exercises @ IBM laboratories		
	16:30 - 17:00			
Saturday	08:30 - 09:15	Final test for attendees	PFK IT room 1	
	09:15 - 10:00			
	10:00 - 10:15	break/lunch break		
	10:15 - 11:00			
	11:00 - 11:45			
	11:45 - 14:00			
	14:00 - 14:45	Presentation of the results of pre-post test comparison, discussion, conclusion and distribution of certificates @ PFK Amfiteatre		
	14:45 - 15:30			
	15:30 - 15:45			
	15:45 - 16:30			
	16:30 - 17:00			

PRILOG #3 CV RUKOVODIOCA PROGRAMA CŽU

Curriculum Vitae

First name(s) / Surname(s)	Danilo Nikolic		
Address(es)	(Business) Put I Bokeljske brigade 44, Dobrota, 85330 Kotor, Montenegro (Home) Džordža Vašingtona 92, Podgorica, Montenegro		
Telephone(s)	+382 (0) 32 303184	Mobile:	+382 (0) 67 615 512
Fax(es)	+382 (0) 32 303184		
E-mail	danilo.nikolic@ucg.ac.me , dannikol@t-com.me		
Nationality	Montenegrin		
Date of birth	08-05-1969		
Gender	Male		
Employment / Occupational field	Full professor at the University of Montenegro Internal combustion engines, Fossil and alternative fuels, Fuel combustion and exhaust emission, Environmental protection and sustainable development in transport		
Work experience			
Occupation or position held	University of Montenegro Management positions: • Rector of the University of Montenegro (2017 - 2021) • Dean of the Faculty of Maritime Studies in Kotor (2011 – 2017) • Founder and coordinator of the Centre for research, innovations and entrepreneurship @ Faculty of maritime studies (2016 –) Academic advances: • Full professor (2017 – up to now) • Associate professor (2009 – 2017) • Assistant professor (2003 – 2009) • Teaching assistant (1995 – 2003)		
Main activities and responsibilities	Lecturing, research, faculty/university management		
Name and address of employer	University of Montenegro, Cetinjska 2, 810000 Podgorica, Montenegro		
Type of business or sector	Higher education / Public		
Dates	From October 1995 – up to now		
Occupation or position held	Member of the Scientific Committee for Transport of HAZU - Croatian Academy of Sciences and Arts		
Main activities and responsibilities	Transportation research		
Name and address of employer	Croatian Academy of Sciences and Arts		
Type of business or sector	Public		
Dates	2019 – up to now		
Occupation or position held	Member of Montenegrin Council for higher education		
Main activities and responsibilities	Implementation of Montenegrin law on higher education in Montenegro		
Name and address of employer	Ministry for Education of Montenegro		
Type of business or sector	Public		
Dates	2015 – 2017		
Occupation or position held	President of the committee for oil and gas		
Main activities and responsibilities	Introduction of standards EN and ISO		

Name and address of employer	Montenegrin Institute for standardisation
Type of business or sector	Public
Dates	2010 – up to now
Occupation or position held	Committee member for energy efficiency and environmental protection
Main activities and responsibilities	Project activities
Name and address of employer	Montenegrin Chamber of Commerce
Type of business or sector	Public
Dates	2009 – 2013
Occupation or position held	Council President of Montenegrin Environmental Protection Agency
Main activities and responsibilities	Activities related to governing of Montenegrin EPA
Name and address of employer	Montenegrin EPA - Environmental Protection Agency, Podgorica, Montenegro
Type of business or sector	Public agency
Dates	2008 - 2012
Education	
Title of qualification awarded	Visiting professor/researcher
Principal subjects/occupational skills covered	Diesel engines, alternative fuels and exhaust emission
Name and type of organisation providing education and training	University of Michigan, Dept. of Mechanical eng., W.E. Lay automotive laboratory, Ann Arbor, MI, USA
Dates	2007/2008
Title of qualification awarded	Visiting researcher
Principal subjects/occupational skills covered	Alternative fuels and exhaust emission
Name and type of organisation providing education and training	Japanese National Institute of Advanced Industrial Science & Technology, Clean Power System Group, Tsukuba, Ibaraki, Japan
Dates	2005/2006
Title of qualification awarded	PhD/Doctor of Philosophy title obtained
Principal subjects/occupational skills covered	Diesel engine, fuels and exhaust emission
Name and type of organisation providing education and training	University of Montenegro, Faculty of Mechanical Engineering, Podgorica, Montenegro / KEIO University, Dept. of System Design, Tokyo, Japan
Dates	2002
Title of qualification awarded	Visiting researcher
Principal subjects/occupational skills covered	Diesel engine, fuels and exhaust emission
Name and type of organisation providing education and training	KEIO University, Dept. of System Design, Tokyo, Japan
Dates	2000/2001
Title of qualification awarded	MSc/Master of Sciences title obtained
Principal subjects/occupational skills covered	Marine diesel engine, fuels and exhaust emission
Name and type of organisation providing education and training	University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia
Dates	1999

Title of qualification awarded	BSc/Bachelor of Science title obtained
Principal subjects/occupational skills covered	Motor vehicles and exhaust emission
Name and type of organisation providing education and training	University of Montenegro, Faculty of mechanical engineering, Podgorica, Montenegro
Dates	1995
Training	
Title of qualification awarded	Certificate of Attendance
Principal subjects/occupational skills covered	Energy efficiency and Decarbonisation in Maritime Transport: technical measures, operational strategies and alternative solutions
Name and type of organisation providing education and training	National Technical University of Athens, School of Naval Architecture and Marine Engineering
Dates	2024
Title of qualification awarded	Certificate of Attendance
Principal subjects/occupational skills covered	International/EU Legislation and Strategies for Reducing CO2 Emissions in Maritime Transport
Name and type of organisation providing education and training	National Technical University of Athens, School of Naval Architecture and Marine Engineering
Dates	2024
Title of qualification awarded	Certificate of Completion
Principal subjects/occupational skills covered	Alternative Fuels
Name and type of organisation providing education and training	Ship Energy/Institute of Marine Engineering, Science and Technology IMAREST
Dates	2024
Title of qualification awarded	Certificate of Completion
Principal subjects/occupational skills covered	Energy Transition through 2050 - Climate Science, Low Carbon Energy and Carbon Capture Strategies that Lead to Net-Zero
Name and type of organisation providing education and training	International Human Resources Development Corporation IHRDC www. https://ihrdc.com/about-ihrdc/
Dates	2022
Title of qualification awarded	Certificate of Participation
Principal subjects/occupational skills covered	Digital Sustainable Technologies in the Blue Economy
Name and type of organisation providing education and training	NTNU Norwegian University of Science and Technology
Dates	2022
Title of qualification awarded	Certificate of Attendance
Principal subjects/occupational skills covered	Regional training on Directive (EU) 2016/802 and other EU Maritime Environmental Legislation
Name and type of organisation providing education and training	EMSA European Maritime Safety Agency
Dates	2019
Title of qualification awarded	Certificate of Completion

Principal subjects/occupational skills covered	Energy Efficiency In Shipping				
Name and type of organisation providing education and training	Lloyds Maritime Academy https://informaconnect.com/lloyds-maritime-academy/				
Dates	2017				
Title of qualification awarded	Certificate of Completion				
Principal subjects/occupational skills covered	Overview of Offshore Systems				
Name and type of organisation providing education and training	PetroSkills https://www.petroskills.com/				
Dates	2017				
Title of qualification awarded	Certificate of Completion				
Principal subjects/occupational skills covered	Marine Pollution Prevention & Management				
Name and type of organisation providing education and training	Lloyds Maritime Academy https://informaconnect.com/lloyds-maritime-academy/				
Dates	2016				
Title of qualification awarded	Diploma				
Principal subjects/occupational skills covered	LNG fuelled ships - BASIC				
Name and type of organisation providing education and training	NTNU Norwegian University of Science and Technology				
Dates	2016				
Title of qualification awarded	Certificate of Training				
Principal subjects/occupational skills covered	Rolls-Royce Marine Acon LNG Familiarisation course				
Name and type of organisation providing education and training	Rolls-Royce (Norway)				
Dates	2014				
Personal skills and competencies					
Mother language (s)	Montenegrin				
Other language (s)	English				
Self-assessment	Understanding		Speaking		Writing
<i>European level (*)</i>	Listening		Reading		Spoken interaction
	Spoken production				
English	C1	Proficient user	C1	Proficient user	C1
	C1	Proficient user	C1	Proficient user	C1
	<i>(*) Common European Framework of Reference for Languages</i>				
Social skills and competencies	Good to communicate with people with diverse backgrounds, internationally, based on many years of living abroad - USA (3 years) and Japan (1 year).				
Organisational skills and competencies	Proficient leadership skills (Rector of the University of Montenegro, Dean of Faculty for maritime studies Kotor, Council president at Montenegrin EPA, Executive director at different companies) and teamwork (different research activities)				
Additional information					
Grants and awards					

	• Fulbright fellowship at the University of Michigan in Ann Arbor, Dept. of Mechanical eng., W.E. Lay Automotive lab., USA, 2007-2008 • Fellowship from Japanese National Institute of Advanced Industrial Science & Technology - AIST, Clean Fuels Laboratory, Tsukuba Science City, Japan, 2005-2006. • Fellowship from KEIO University, Iida Laboratory, Tokyo, Japan, 2000-2001
Community service	• A member of the Commission for driver's license examination in Montenegro for all driving categories in front of the Ministry for Education. 1995 - 2000

Annexes	List of projects and publications
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Annex 1 – Selected projects

1. Green Corridors for Carbon-Neutral Cruise and Ferry Shipping in the ADRIAN Region – GREENROUTES. Interreg VI - B IPA Adriatic Ionian – IPA ADRIAN - Cooperation Programme 2021-2027 – 1st Call for proposals. Project consortium coordinator prof. dr Danilo Nikolic (2024 - 2027).
2. Possibilities of Establishing Green Propulsion Shipping Routes on Rivers and Seas – GreenPro, Interreg Danube Transnational program, Seed money facility call 2021 – 2027. Project consortium coordinator prof. dr Danilo Nikolic (2024 - 2025).
3. Joint approach to Blue circular Economy for Adriatic and Ionian Region – JOINABLE. Interreg VI - B IPA Adriatic Ionian – IPA ADRIAN - Cooperation Programme 2021-2027 – 1st Call for proposals. Coordinator for partner institution University of Montenegro prof. dr Danilo Nikolic (2024 - 2027).
4. Developing innovation network for uptake of solutions in robotics and sensors to improve monitoring and prevention of pollution of freshwater and sea ecosystems – ROBONETCBC. Interreg VI-A, IPA CBC Croatia - Bosnia and Herzegovina – Montenegro, Coordinator for partner institution University of Montenegro prof. dr Danilo Nikolic (2024 - 2027).
5. Innovative Systems to Enhance Antifraud Customs Controls (ISACC +). Interreg IPA SA Capitalisation Small-Scale Call. Coordinator for partner institution University of Montenegro prof. dr Danilo Nikolic (2024 - 2025).
6. Enhancing knowledge and skills at WB HEIs in preparation for zero carbon maritime transport and logistics society - ZeroC, Call: ERASMUS-EDU-2023-CBHE. Coordinator for partner institution University of Montenegro prof. dr Danilo Nikolic (15/01/2023 - 14/01/2026).
7. Development of Regional Joint Master Program in Maritime Environmental Protection and Management / MEP&M, Erasmus + CBHE Call for proposal 2020 EAC/A03/2019. Project consortium coordinator prof. dr Danilo Nikolic (15/01/2021 - 14/01/2024).
8. Sea Waste from Adriatic to Enhance Marine Composites, A bilateral cooperation research project between Italy and Montenegro, School of Science and Technology - University of Camerino and Faculty of Maritime Studies Kotor – University of Montenegro, co-financed by the Italian and Montenegrin Governments (1.1.2023-31.12.2024). Coordinator for partner institution University of Montenegro prof. dr Danilo Nikolic.
9. Smart and Green Ports – SG_Ports, Interreg IPA Cross-border Cooperation Italia-Albania-Montenegro (2022 – 2023). Coordinator for partner institution University of Montenegro prof. dr Danilo Nikolic.
10. Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries – BLUEWBC, Erasmus + CBHE Call for proposal 2019 EAC/A03/2018. Coordinator for partner institution University of Montenegro prof. dr Danilo Nikolic (15/01/2020 - 14/01/2023).
11. Partnership for the prOMotion of a maRiTIme cross-border Strategy PORTS 4.0 - Interreg IPA Cross-border Cooperation Italia-Albania-Montenegro. Coordinator for partner institution University of Montenegro prof. dr Danilo Nikolic (2020 – 2021).
12. Reforming doctoral studies in Montenegro and Albania – MARDs, Erasmus + CBHE Call for proposal 2018 EAC/A03/2017. Member of project team for coordinating institution University of Montenegro prof. dr Danilo Nikolic (15/01/2020 - 14/01/2023).
13. Protection underwater heritage through its digitalization and valorization as a novel touristic offer – WRECKs4ALL, Interreg IPA Cross-border Cooperation Croatia-Bosnia and Herzegovina-Montenegro 2014-2020, 2nd Call for Proposals. Project consortium coordinator (2020 – 2022).

14. Fostering Internationalization at Montenegrin HEIs through Efficient Strategic Planning - IESP, Erasmus + CBHE Call for proposal 2019 EAC/A03/2018. Project consortium coordinator prof. dr Danilo Nikolic (15/11/2019 - 14/11/2021).
15. Partnership for the Observation and study of new Routes and Transnational Sea-highways – PORTS Interreg IPA Cross-border Cooperation Italia-Albania-Montenegro. Coordinator for partner institution University of Montenegro prof. dr Danilo Nikolic (2018 – 2020).
16. International certification of maritime education in Montenegro – EDUMAR. HERIC program. University of Montenegro, Maritime Faculty Kotor, project leader prof. dr Danilo Nikolic (14/04/2016 - 14/5/2017).
17. Montenegro Sustainable Maritime Competence Development Initiative, HERD Maritime 2010-2014, Higher education, research and development in the Western Balkans - maritime sector programme 2012-2014. Project partner UofM Maritime Faculty Kotor, project leader for partner institution prof. dr Danilo Nikolic, collaboration between University of Montenegro/Maritime faculty Kotor with Alesund University College, Norway (june 2013 – june 2016).
18. Modernizing and harmonizing maritime education in Montenegro and Albania – MarED, TEMPUS IV – 6th Call for proposals, project coordinator University of Montenegro/Maritime faculty Kotor, project leader prof. dr Danilo Nikolic (01/12/2013 - 30/11/2016).
19. Development of Sustainable Interrelations between Education, Research and Innovation at WBC Universities in Nanotechnologies and Advanced Materials where Innovation Means Business. TEMPUS IV – 6th Call for proposals. Project partner University of Montenegro/Maritime faculty Kotor, project leader for partner prof. dr Danilo Nikolic (01/12/2013 - 30/11/2016).
20. Possibilities for Production of Liquid Biofuels from Renewable Sources and Their Applications for Diesel Engine Propulsion on the Ships in Montenegro - BIOPOWER. National Project financed by the Ministry of Science: University of Montenegro, Maritime Faculty Kotor, project leader prof. dr Danilo Nikolic (2012 - 2016).
21. Possibilities of exhaust gas emission reduction from ships in Montenegrin and Croatian parts of Adriatic sea with implementation of Marpol Annex VI code. Project leader prof. dr Danilo Nikolic. Supported by Montenegrin Ministry of Science (bilateral cooperation with Croatia); collaboration between University of Montenegro/Maritime faculty Kotor with Maritime faculty, University of Split, Croatia (2013-2015.g.)
22. Exploring the possibility of production of biofuels from waste materials and its application in the internal combustion engines. Project leader prof. dr Danilo Nikolic. Supported by Montenegrin Ministry of Science (bilateral cooperation with Bosnia and Herzegovina); collaboration between Maritime faculty in Kotor with Mechanical faculty, University of Sarajevo, Bosnia and Herzegovina (2012-2014.g.)

Annex 2 – Selected papers published in journals

1. Carlo Santulli, Cristiano Fragassa, Ana Pavlovic and Danilo Nikolic, Use of Sea Waste to Enhance Sustainability in Composite Materials: A Review, J. Mar. Sci. Eng. 2023, 11(4), 855; <https://doi.org/10.3390/jmse11040855>
2. Nada Marstijepovic, Sead Cvrk, Radmila Gagic, Ivan Filipovic, Danilo Nikolic, Application of biodiesel derived from olive oil production wastes at marine diesel engine and evaluation of gaseous emission trends, Thermal Science 2023 Volume 27, Issue 3 Part B, Pages: 2195-2203, <https://doi.org/10.2298/TSCI220707218M>
3. Gagic, R.; Skuric, M.; Djukanovic, G.; Nikolic, D. Establishing Correlation between Cruise Ship Activities and Ambient PM Concentrations in the Kotor Bay Area Using a Low-Cost Sensor Network. Atmosphere 2022, 13, 1819. <https://doi.org/10.3390/atmos13111819>
4. Giulia Zanier, Francesco Giunto, Andrea Petronio, Federico Roman, Radmila Gagić, Danilo Nikolic, Kotor Bay Area Hydrodynamics and Pollutant Dispersion Simulations: A Tool for Contingency Plans. EbookTechnology and Science for the Ships of the Future, 2018. Pages 604 – 611, DOI 10.3233/978-1-61499-870-9-604
5. Nikolić Danilo, Gagić Radmila, Ivošević Špiro, Estimation of Air Pollution from ships in the Boka Kotorska Bay (2016). The Boka Kotorska Bay Environment, part of the series The Handbook of Environmental Chemistry pp 1-12. ISBN 1867-979X. Springer.
6. Nikolić Danilo, Cvrk S., Marstijepović N., Gagic R., Filipovic I., Influence of Biodiesel Blends on Characteristics of Gaseous Emissions From Two Stroke, Low Speed Marine Diesel Engines. Advances in Application of Industrial Biomaterials pp 49 - 63. Print ISBN 978-3-319-62766-3, online ISBN 978-3-319-62767-0. Springer.
7. Nikolić Danilo, Marstijepović N., Cvrk S., Gagic R., Filipovic I. (2016) Evaluation of pollutant emissions from two-stroke marine diesel engine fueled with biodiesel produced from various waste oils and diesel blends. Brodogradnja/Shipbuilding: Theory and Practice of Naval Architecture, Marine Engineering and Ocean Engineering, Vol.67 No.4 December 2016. (online), pp 81-90. ISSN 0007-215X, eISSN 1845-5859.

8. Aleksandar Nikolić, Danilo Nikolić, Emilija Nikolić, Vesna Vujačić "Urban Noise Modelling In Boka Kotorska Bay", *Promet – Traffic&Transportation*, Vol. 26, 2014, No. 2, 151-157, ISSN 0353-5321 print, ISSN 1848-4069 online
9. Branko Lalić, Ivan Komar, Danilo Nikolić, "Optimization of Ship Propulsion Diesel Engine to Fulfill the New Requirements for Exhaust Emissions", *TOMS, Transactions On Maritime Science* 31, April 2014 Vol.3.No1.ISSN 1848-3305.
10. Nikolić A., Nikolić Danilo, "Evolution of equivalent noise levels in tourist resort Donja Lastva", *Mathematica Montisnigri* Vol XXIV (p. 261-270), 2012.
11. Kastratović G., Nikolić Danilo, (2013), Control of pollutant emissions from marine diesel engines. *Kvalitet i izvrsnost*, Year II, No 3-4, 2013, pp 64-67, ISSN 2217 – 852X.
12. Ivošević, Š., Bauk, S., Nikolić Danilo, Structural degradation of the bulk-carriers caused by the corrosion, *Journal of Technics Technologies Education Management*, (ISSN: 1840-1503), Vol.8, No.1, 2/3 2013.
13. Nikolić Danilo, Vujadinović R., "Legislation Harmonization in Republic of Montenegro With Eu in the Area of Motor Fuels Quality", *Kvalitet, Časopis za unapređivanje kvaliteta*, broj 7-8 86-89), ISSN 0354-2408, Srbija, Septembar 2007.
14. Vujadinović R., Nikolić Danilo, Dobovišek Ž., "Alternative approach to the modelling of CO2 emission from passenger vehicles", *FUELS and LUBRICANTS, Journal for Tribology, Lubrication, Application of Liquid and Gaseous Fuels and Combustion Engineering*, Volume 46 (129-148), ISSN 0350-350, Croatia, May 2007.
15. Shiotani H., Goto S., Kinoshita K., Nikolić Danilo, "Characteristics of Aldehydes and VOCs Emission from Off-Road Engines" *SAE (Society of Automotive Engineers) Journal of Fuels and Lubricants* (719-725), ISSN 978-0-7680-1836-3, SAD, Mart 2007.
16. Nikolić Danilo, Iida Norimasa, "Effect of intake CO2 concentrations on fuel spray flame temperatures and soot formations" *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, Volume 221, Number 12/2007, (1567–1574), ISSN 0954-4070, Professional Engineering Publishing, V. Britanija, December 2007.
17. Oguma M., Goto S., Tsujimura T., Nikolić Danilo, "Analysis of Particulate Matter (PM) Emitted from DME Powered Direct Injection Diesel Engine – Measurement of PM Size Distribution", *JSAE (Japanese Society of Automotive Engineers) Review*, Volume 28, No2 (181-186), ISSN 1349-4724, Japan, April 2007.
18. Nikolic Danilo, Vujadinovic R., Norimasa Iida, „Experimental study on effects of different EGR ratio on flame temperature and soot formation using diesel fuels with different T90 distillation temperatures“, *Strojniški Vestnik* (str 863-871), ISSN 0039-2480, Slovenija, December 2006.
19. Vujadinovic R., Nikolic Danilo, Ž. Dobovišek, „Alternative approach to modelling of CO2 emission from motor vehicles«, *Fuels ans Lubricants, Journal for Tribology, Lubrication, Application of Liquid and Gaseous Fuels and Combustion Engineering*, Zagreb 2006. ISSN 0350-350X
20. Shinya Takahashi, Nikolic Danilo, Kazunari Wakimoto, Norimasa Iida, „Effects of Aromatics Contents and 90% Distillation Temperature of Diesel Fuels on Flame Temperature and Soot Formation“, *Society of Automotive Engineers Transactions, Journal of Fuels and Lubricants*, SAE, USA, 2003.

Last up-date: January 2025.

PRILOG #4 SPISAK OSOBLJA KOJE SPROVODI PROGRAM CŽU

Osoblje koje će biti uključeno u realizaciju programa CŽU su:

1. Prof. dr Danilo Nikolić, UCG/PFK
2. Prof. dr Špiro Ivošević, UCG/PFK
3. Doc. dr Miroslav Vukičević, upravitelj stroja, UCG/PFK
4. Dr Maja Škurić UCG/PFK
5. Mr Radmila Gagić, UCG/PFK
6. Mr Ivan Mraković, kapetan, UCG/PFK
7. Mr Igor Petrović, kapetan, UCG/PFK
8. Dr Mirko Đurović, UCG/IBM
9. Dr Aleksandar Joksimović, UCG/IBM
10. Dr Milica Mandić, UCG/IBM
11. Dr Vesna Mačić, UCG/IBM
12. Dr Slavica Petović, UCG/IBM
13. Dr Ana Pešić, UCG/IBM
14. Dr Dragana Drakulović, UCG/IBM
15. Dr Aleksandra Huter, UCG/IBM
16. Dr Sandra Jokanović, UCG/IBM
17. Mr Nikola Đorđević, UCG/IBM
18. Doc. dr Ilija Moric, UCG/FTH
19. Prof. dr Vesna Popović Bugarin, UCG/ETF
20. Prof. dr Nikola Žarić, UCG/ETF
21. Mr Miodrag Zarubica, UCG/ETF
22. Dr Tena Božović, Luka Kotor, eksterno angažovana na UCG/PFK/FTH
23. Dr Zoran Kovačević, Institut Simo Milošević, eksterno angažovan na UCG/PFK

PRILOG #5 BIOGRAFIJE NASTAVNOG OSOBLJA

PERSONAL INFORMATION

ŠPIRO IVOŠEVIĆ



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 (+382) 32 303 184 (303 188)  (+382) 67 628 985  (+382) 69 028 985
 spiroi@ucg.ac.me, spiki@t-com.me

Sex Male | Date of birth 19/05/1971 | Nationality Montenegrin

JOB APPLIED FOR
 POSITION
 PREFERRED JOB
 STUDIES APPLIED FOR

WORK EXPERIENCE

Replace with dates (January
 1997. up to now)

Professor at the University of Montenegro (Faculty of Maritime Studies)

University of Montenegro, Faculty of Maritime Studies,
 Put I Bokeljske brigade 44, 85330 Kotor, Montenegro
<http://www.pfkotor.ucg.ac.me>

- Dean of Maritime Faculty Kotor, since 25.09.2017.
- Vice dean for Quality and International Cooperation, from 01.01.2014-24.09.2017.
- Professor since 2012. (teaching, conducting research work, publishing)
- Head of a Quality System Department at Faculty of Maritime Studies, since 2008.
- Assistant since 1997.

Business or sector Education

EDUCATION AND TRAINING

Replace with dates (July 2023)

Full professor,

Faculty of Maritime Studies Kotor, University of Montenegro

Phd

Replace with dates (July 2018 –to
 July 2023)

Associated professor

Faculty of Maritime Studies Kotor, University of Montenegro

Phd

Replace with dates (July 2013 –to
 July 2018)

Assistant professor

Maritime Faculty Kotor, University of Montenegro

Phd

Replace with dates (October 2009
 –to September 2012)

Doctor of technical sciences

Maritime Faculty Kotor, University of Montenegro

- Marine science, Ship's Maintenance techniques, Ship's surveying and inspection techniques

Phd

Replace with dates (October 1994
 –to May 2004)

Master of technical sciences

Faculty of Mechanical Engineering, University of Montenegro

- Mechanics, Welding

MSc

Replace with dates (October 1989
 –to September 1994)

Bachelor of technical sciences

Faculty of Mechanical Engineering, University of Montenegro

- Mechanical Engineering

Replace with dates (May 2010)

QMS Auditor/Lead Auditor

Bsc

Lloyd's Register Quality Assurance Ltd.

- LRQA Certificate based on ISO 9001:2008 for QMS Auditor/Lead Auditor

Replace with dates (May 2008)

Integrated Maritime Lead Auditor (ISM/ ISPS)

Ministry of Transport, Maritime Affairs and Telecommunications Montenegro

- Maritime Auditing

Replace with dates (May 2007)

National Expert in Maintenance Management

National member in Society of the EFNMS

- Maintenance Management

Replace with dates (2002–2020)

Ultrasonic Thickness Measurement – Level I

Welding Institute, Belgrade

- UTM Testing

PERSONAL SKILLS

Mother tongue(s)

Montenegrin

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2.1	C2.1	C2.1	C2.1	C2.1
Replace with name of language certificate. Enter level if known.				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience as professor and through conducting activities in a local community

Organizational / managerial skills

- I have high organizational skills, what has been confirmed, several times, through the successful completing of several projects of national interest

Job-related skills

- Good command of quality control processes (currently responsible for QMS)

Computer skills

- I have a good command of Microsoft Office™ tools Corel, Auto Cad, and Internet

Driving licence

- Driving licence category/-yes:
- B category

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences

Papers published in journals:

Seminars
Honours and awards
Memberships
References

1. Miloš Bogdanović, Špiro Ivošević, Offshore Wind Energy Potential: Assessing Capacity Factor and Electricity Generation in Montenegro, SCIENTIFIC JOURNAL OF MARITIME RESEARCH [Pomorstvo] 39 (2025) 150-16. <https://doi.org/10.31217/p.39.1.12>
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4. Kovač, N., Ivošević, Š. (2025). Probabilistic Modelling of Corrosive Wear in Bulkhead Panels for Bulk Carriers. In: Rackov, M., Miltenović, A., Banić, M. (eds) Machine and Industrial Design in Mechanical Engineering. KOD 2024. Mechanisms and Machine Science, vol 174. Springer, Cham. https://doi.org/10.1007/978-3-031-80512-7_75
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30. Ivošević Š., Vastag G., Majerič P., Kovač D., Rudolf R. (2020) Analysis of the Corrosion Resistance of Different Metal Materials Exposed to Varied Conditions of the Environment in the Bay of Kotor. In *The Handbook of Environmental Chemistry* 110, Springer, Berlin, Heidelberg, pp.293-326, <https://doi.org/10.1007/978-2020-644>
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71. Grgić, R., Ivošević, Š., Bauk S., Orlando, A., Primjena koncepta održavanja zasnovanog na riziku kod starih balkerijsa, *Druga konferencija Održavanje 2012*, Zenica, 125-132, 13-16 Juni 2012.
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75. Ivošević, Š., Bauk S.: "Fuel oil Tanks wastage analysis of aging ships", *14th International Conference Dependability and Quality management, ICDQM-2011*, Beograd, 395-400, June, 2011.
76. Ivošević, Š., Šekularac Ivošević, S., "Uticaj sistema menadžmenta kvalitetom na unapređenje procesa obrazovanja u pomorstvu", *7. Naučno-stručni skup sa međunarodnim učešćem "KVALITET 2011"*, Neum, B&H, 897-902, Jun, 2011.
77. Ivošević, Š., Džankić, R., "Primjena održavanja po stanju kod starih brodova", *Konferencija održavanja i proizvodnje "KODIP – 2011"*, Herceg Novi, str. 385-391, Jun, 2011.
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79. Nikolić, D., Ivošević, Š., Popović, P., Čelanović, Z.: "Istraživanje zagađenja vazduha sa brodova u bokokotorskom zalivu", *Festival kvaliteta FQ2011, 6. Nacionalna konferencija o kvalitetu života*, Kragujevac, B-13 – B-17, Maj, 2011.
80. Bauk S., Ivošević Š., On the Operational Parameters Influencing Corrosion over Ageing Bulk Carriers' and some Probabilistic Analysis of the Most Vulnerable Member Location*, *Zbornik radova - Značaj i uloga Metalurškog instituta "Kemal Kapetanović" u razvoju obrazovanja i privrede u BiH, povodom 50 godina njegovog postojanja i rada*, Zenica, BiH, (ISBN: 978-9958-639-32-6), pp. 74-97, 25.10.2011

81. Bauk S., Ivošević Š., The Expert Knowledge in the Optimization of The Bulk-Carriers Corrosion Wastage Controlling, 14th International Research/Expert Conference: "Trends in the Development of Machinery and Associated Technology" - TMT 2010, Mediterranean Cruise, 11-18 September, 2010., 433-436 (CD issue)
82. Moric, B., Ivošević, Š., Bauk, S.: "O pouzdanosti tankova goriva kod brodova za prevoz generalnog tereta", 13th International Conference Dependability and Quality management, ICDQM-2010, Beograd, 270-275, June, 2010.
83. Vujović, L., Ivošević, Š.,: "Uticaj eksploatacione hrapavosti krila na hidrodinamičke osobine brodskog propelera", 13th International Conference Dependability and Quality management, ICDQM-2010, Beograd, 230-235, June, 2010.
84. Ivošević, Š., Nikolić, D.: "Statistička analiza strukturne degradacije elemenata brodskog trupa kod starih brodova za prevoz rasutog tereta", Prva Konferencija – Održavanje 2010, Zenica, 215-222, June, 2010.
85. Ivošević, Š., Bauk, S., Nikolić, D.: "Ispitivanje prirode oštećenja strukturnih elemenata oplata brodskog trupa s ciljem sprečavanja zagađenja okoline", 16 Međunarodno savjetovanje, Održavanje 2010, Šibenik, 25-33, Maj, 2010.
86. Ivošević, Š., Ivošević, N.: "Kontrola kvaliteta zavarivanja na dijelu regionalnog vodovoda sistema crnogorsko primorje - podvodna dionica na skadarskom jezeru", 26 Savjetovanje sa međunarodnim učešćem IBR 2010, Tara, Zbornik rezimea 92, Jun, 2010.
87. Ivošević Š., Bauk, S., Vujović, L., Nikolić, D.: "Analiza promjene strukture brodskog trupa na bazi propisanih mjerenja", 12th International Conference Dependability and Quality management, ICDQM-2009, Beograd, 462-467, June, 2009.
88. Bauk, S., Ivošević Š., Perovich, S.: "The experimental evaluation of the STFT based method for the specific sea water electrical conductivity calculations", 4th Maritime Transport Conference, Barcelona, (ISBN:978-84-7653-891-3, 531-544), April, 2009.
89. Vukanić V., Bauk S., Ivošević Š. : "Changes in the zooplankton biocenosis of Bay of Boka Kotorska due to introduction of alien species in ballast waters", MWWD – 5th International Conference on Marine Waste Water Discharges and Coastal Environment & IEMES – Exhibition on Materials, Equipment and Services for Coastal Environmental Projects, Cavtat (Dubrovnik, Croatia), (CD izdanje, ISBN: 978-9944-5566-3-7), October, 2008.
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91. Vujović L., Ivošević, Š.: "Eksploataciona hrapavost brodskog propelera", (Exploitation roughness of the ship's propeller), 11th International Conference Dependability and Quality management, ICDQM-2008, Belgrade (Serbia), 497-501, June, 2008.
92. Ivošević, Š., Ivošević N.: "Dijagnostika u brodskoj reparaciji", Međunarodno savjetovanje IBR-a - Dijagnostika i ekologija, Bečići, 2004.

Publications
Presentations
Projects

Activities in National and International Projects:

MARROBO: "Fostering the innovation capacities and skills for marine robotics deployment for monitoring and marine environment protection", „Poticanje inovacijskih kapaciteta i vještina za primjenu

Conferences
Seminars
Honours and awards
Memberships
References

pomorske robotike za monitoring i zaštitu morskog okoliša“, Interreg IPA Croatia-Bosnia and Herzegovina-Montenegro, Co-Founded by the European Union. 15.07.2024.-14.07.2026. Part of team. Coordinator for Faculty of Maritime Studies Kotor. Total budget for Faculty of Maritime Studies Kotor for two year is 246 078,00 euro.

ROBORIVER: „Innovative underwater robotics for monitoring and protection of Danube river pollution“, „Inovativna podvodna robotika za praćenje i zaštitu od zagađenja rijeke Dunav“, Interreg Danube Region, Co-Founded by the European Union, 01.09.2024.-31.08.2025. Part of team. Coordinator for Faculty of Maritime Studies Kotor. Total budget for Faculty of Maritime Studies Kotor for one year is 9 996,00 euro.

ERASMUS +: DUALMON: “Strengthening capacities for the implementation of dual education in Montenegro higher education”- DUALMON) 15.1.2021-15.1.2024. God. Part of team.

NAUTICA CBC: „Strengthening, innovation and promotion of the nautical tourism offer and cultural heritage by cross-border cooperation“, IPA CBC Croatia, Bosnia and Herzegovina and Montenegro 2014-2020., Project will be realized from 01.03.2021.-01.02.2023. Part of managing team,

ERASMUS +: Development of Regional Joint Master Program in Maritime Environmental Protection and Management – MEP&M, Erasmus + Call for proposal 2020 - EAC/A02/2019. (15/01/2021-14/01/2024), Part of team.

MARBLE (01.01.2023.-30.09.2023.) INTERREG V-B Adriatic-Ionian ADRION, Joint Master on Maritime Robotics in Blue Economy- Joint Master on Maritime Robotics in Blue Economy, - part of team

ERASMUS +: Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries – BLUEWBC, Erasmus + Call for proposal 2019 - EAC/A03/2018. (15/01/2020 - 14/01/2023), Part of team.

Interreg IPA CBC: Protection underwater heritage through its digitalization and valorization as a novel touristic offer – WRECKS4ALL, Interreg IPA CBC Croatia-Bosnia and Herzegovina-Montenegro 2014-2020, 2nd Call for Proposals, (15/08/2020-14/08/2022), Part of team.

IESP: CBHE project *Fostering Internationalization at Montenegrin HEIs through Efficient Strategic Planning (IESP)*, (ERASMUS +) project No. 609675-EPP-1-2019-1-ME-EPPKA2-CBHE-SP – predavač na: The IESP summer school 2022 on “Sustainable Development of Yachting and Cruise Industry“, Održivi razvoj jahting i krizing industrije, Kotor, July 18th – July 23rd, 2022. - član tima

EUREKA: PROCHA-SMA E! 13080, „Production and characterisation of shape memory materials for use in dentistry and nautics“, Faculty of Stomatology in Belgrade, Zlatarna Celje and Faculty of Maritime Studies Kotor, University of Montenegro, 2018.-2022. Project manager in Montenegro.

IPA CBC: Innovative Systems to enhance Antifraud Customs Controls – ISACC, Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (01/07/2020-31/12/2021), Part of team.

Interreg: "Adriatic-Ionian joint approach to the development and harmonization of procedures and regulations in the field of navigation safety - EUREKA", Interreg V-B Adrion, 2020. - 2022.. Team member.

Interreg IPA CBC: Partnership for the prOMotion of a maRiTIme cross-border Strategy – PORTS 4.0, Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (01/04/2020-31/12/2021), Part of team.

IPA CBC: Partnership for the Observation and study of new Routes and Transnational Sea-highways – PORTS Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (15/03/2018 – 14/12/2020), Part of team.

ERASMUS +: prelaz studenata s invaliditetom od visokog obrazovanja do zapošljavanja u Srbiji, Bosni i Hercegovini i Crnoj Gori: Trans2Work, 14.10.2015.-14.10.2018. Part of team.

ERASMUS +: School-to-Work Transition for Higher education students with disabilities in Serbia, Bosnia & Herzegovina and Montenegro - (Trans2Work) – ERASMUS+ programme, (15/10/2015-14/10/2018), Part of team.

TEMPUS: MArED - Modernizing and harmonizing maritime education in Montenegro and Albania, 2013

– 2017. Institucije: 16 institucija iz EU država, CG i Albanije. Part of managing team.

TEMPUS: WIMB - Development of Sustainable Interrelations between Education, Research and Innovation at WBC Universities in Nanotechnologies and Advanced Materials where Innovation Means Business, 2013 – 2017. Institucije: 11 institucija iz EU država, CG, BiH i Srbije. Part of managing team

HERIC/INVO: EDUMAR - Knowledge transfer for increased maritime competences in Montenegro, 2016 – 2017. Institucija: UCG PF Kotor. Part of managing team.

IPA: Knowledge transfer for increased maritime competences in Montenegro, 2016-2017. Institucija: UCG PF Kotor. Part of managing team.

HERD Maritime: Montenegro Sustainable Maritime Competence Development Initiative, 2013 – 2016. Institucije: Alesund University College (NTNU) i UCG PF Kotor. Part of managing team.

BILATERAL PROJECT:

BILATERAL PROJECT BETWEEN MONTENEGRO AND SERBIA: (Faculty of Science and Mathematics in Novi Sad): "Protection of construction materials in coastal conditions using new environmentally friendly inhibitors". Project manager in Montenegro, (01.01.2019 - 31.12.2020)

BILATERAL PROJECT BETWEEN MONTENEGRO AND SLOVENIA: (Faculty of Mechanical Engineering in Maribor), "Development of testing and control techniques for metal materials on ships". Project manager in Montenegro, (20.07.2018.-20.07.2021.)

PROFESSIONAL PROJECTS:

1. Špiro Ivošević, Senka Šekularac Ivošević, Jelena Nikčević, Maja Škurić, Ivan Mrakovic, Base Study: Maritime Industry, Client: Ministry of Sustainable Development and Tourism, Podgorica 2018. Contract number 104-1730/1 dated May 17, 2018. year Head of the managing team.
2. "Development of a study (research project) coastal/marine structures and water traffic on the Budva Riviera", Investor Public enterprise for the management of marine resources, 2017. Processor: Working team of the Kotor Maritime Faculty. Head of the managing team.
3. "Creation of an elaboration/study of natural conditions for the formation of moorings on buoys in the area of the Tivat and Budva bays". Investor Public enterprise for the management of marine resources, 2017. Processor: Working team of the Kotor Maritime Faculty. Head of the managing team.

Certificates:

1. Trainig for AMOS, Issued by SPECTEK 2014.,
2. Training for Quality manageg, issued by Q-Experta,
3. Trainig for Lead auditor for QMS, 2016., issued by Lloyd's Register.
4. Trainig for inspector for painting, FROZIO, HEMPEL 2013.

TEACHING/TRENING ERASMUS + MOBILITY:

1. Accademic 2023/24. Naval Academy, Mircea cel Batran. ERASMUS+ training mobility, Constanca, Romania, 25/07/2024. - 31/07/2024.
2. Accademic 2023/24. University of Rijeka, Faculty of Maritime Studies. ERASMUS+ training mobility, Rijeka, Croatia, 17/05/2024. - 22/05/2024.
3. Accademic 2022/23. University of Aegean, Shipping Trade and Transport, ERASMUS+ teaching mobility, Grčka, 26/06/2023.-30/06/2023.
4. Accademic 2022/23. Óbuda University, Bánki Donát Faculty of Mechanical Engineering, ERASMUS+ teaching mobility, Budimpešta, Mađarska, 06/03/2023. - 10/03/2023.

5. Accademic 2022/23. University of Dubrovnik, Nautical department. ERASMUS+ teaching mobility, Dubrovnik, Croatia, 12/05/2023. - 26/05/2023.
 6. Accademic 2021/22. Latvian Maritime Academy - Riga. Program: Training
 7. Accademic 2021/22. Klaipeda Maritime Accademy. Program: Training
 8. Accademic 2020/2021. University of Dubrovnik, Nautical department. Program: Training
 9. Accademic 2019/2020. Óbuda Univerziteta from Budapest (Donán Bánki Faculty of Mechanical Engineering and Safety Engineering). Program:Teaching.
 10. Accademic 2016/2017. Norwegian University of Science and Technology (NTNU) in Alesundu. Program: Training
 11. Accademic 2016/2017. University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture. Program: Training
 12. Accademic 2016/2017. Latvian Maritime Academy - Riga. Program:Teaching.
 13. Accademic 2015/2016. University of Split, Faculty of maritime studies Split. Program:Teaching.
- Mobility of 30 days, 2016. Erasmus Mundus and SUNBEAM project. University of Split, Faculty of maritime studies Split. Program: Training

ANNEXES

Certificates obtained:

PERSONAL INFORMATION

Miroslav Vukičević



📍 21 Maj 76, 2/9, 85330, Kotor, Montenegro

📍 Business – Faculty of Maritime Studies, Put I Bokeljske brigade 44, 85330, Kotor, Montenegro

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✉ miroslav.v@ucg.ac.me; vukicevic.miroslav@gmail.com

Sex Male | Date of birth 16/09/1981 | Nationality Montenegrin

WORK EXPERIENCE

From 2016 up to now

Teaching Assistant

University of Montenegro, Faculty of Maritime Studies (Put I Bokeljske brigade 44, Kotor, 85330, Montenegro)

- Researcher in the following fields: Marine auxiliary sistem, Marine Biology, Ecological Engineering, Engineering Education

Business or sector: High-education institution

From 2004 up to 2016

Marine engineer *MITSUI O.S.K. LINES*

From 2000 up to 2004

Sports trainer Handball club Kotor, Boka

EDUCATION AND TRAINING

2022

PhD

PhD

University of Montenegro, Faculty of Maritime Studies Kotor, Montenegro

- Methodology for reducing the impact of catalytic residues on the durability of piston rings in low speed marine engines

2016

Master of Sciences

MSc

University of Montenegro, Faculty of Maritime Studies Kotor, Montenegro

- The possibility of using simulation software in order to predict nitrogen oxide (NOx) emissions from MAN B&W marine engines

2004

Bachelor of Sciences

BSc

University of Montenegro, Faculty of Maritime Studies Kotor, Montenegro

- Marine engineering

2000

Valedictorian in High School - Naval High School Kotor

[Type here]

Engine Resources Management held in the Bijela, Montenegro 2008
 Oil tanker operations held in the Kotor, Montenegro 2009
 Officer in charge of an engineering watch on a sea going ships powered by machinery of 750 KW propulsion power or more, held in the Bar, Montenegro 2009
 Basic training held in Kotor, Montenegro 2009
 Medical First Aids Certificate held in Kotor, Montenegro 2009
 Fuel Management Course (by DNV and Alfa Laval) held in the Piraeus, Greece 2010
 Machine Tools Operations held in the Bijela, Montenegro 2010
 Risk Management and Incident Investigation Training, held in the Bijela, Montenegro 2012
 Unitest Low Speed Engine Room Simulator LER 3D held in Kotor, Montenegro 2012
 Advance fire fighting held in the Kotor, Montenegro 2013
 Chief Engineer Officer on ships powered by machinery of 3000 KW propulsion power or more, held in the Bar, Montenegro 2013
 Second Engineer Officer on ships powered by machinery of 3000 KW propulsion power or more, held in the Bar, Montenegro 2013
 Advance Fire Fighting held in Kotor, Montenegro 2013
 Proficiency in survival craft and rescue boats operations, other than fast rescue boats, held in the Kotor, Montenegro 2014
 Advance Oil Tanker Cargo Operations, held in the Kotor, Montenegro 2014
 Transas Marine international certificate, held in Kotor, Montenegro 2014
 Certificate for seafarers with designated securities duties held in the Kotor, Montenegro 2014
 Procedures in case of security threats and rising of security awareness, held in the Kotor, Montenegro 2014
 Practical Electrical Knowledge course, held in Bijela, Montenegro 2015
 Safety Officer-SO, Seagull, Horten 2015
 Ship Security Officer-SSO; held in the Kotor, Montenegro 2015,
 Wärtsilä RT Flex operation and practical course, held in the Wärtsilä Land and Sea Academy Winterthur, Zurich 2016
 Japanese Flag state course held in the Mumbai, India 2016
 "Leadership and team-working skills on board" Kotor, Montenegro 2016
 "Marine environmental awareness" Kotor, Montenegro 2016
 "Train the trainer", course based on STCW Code A-I/6 and IMO model course 6.09, Kotor, Montenegro 2016
 HV high voltage-Management level., ABB certificate, Kotor, Montenegro 2017
 Life cycle-cost management course, Aalesund, Norway 2017
 Basic offshore safety induction & emergency training with emergency breathing system (5700), OPITO approved Milano, Italy 20.06.2022
 Increasing classroom engagement and teaching in English course, Department of state USA, English language programs, Podgorica, Montenegro 2022
 "Training Course for instructors", training programme given in Annex A (section A89), Kotor, Montenegro 2022
 LNG Bunkering module "i", DFDE LNG engine module "i" "Advanced training on Transas simulator". Spit, Croatia 2022.
 Know-how Transfer to Energy efficiency and Decarbonisation in Maritime Transport technical measures, operational strategies and alternative solutions, NTUA, Greece October 2024
 UNITEST Diesel Electric Engine Room LNG -DE3D and Low Speed Engine Room W-Xpert RT-flex50DF marine simulators 05.02.2025 Gdynia, Poland.
 Wärtsilä TechSim 5000 Instructor Training for LNG Bunkering Simulator Operation, Faculty of Maritime studies Kotor 2025.
 3rd IAMU SimED Simulator Instructor Camp, March 2025 Rijeka, Croatia.

[24/09/2018] till [28/09/2018] Erasmus + teaching mobility at UNIVERSITY OF THE AEGEAN, Chios, Greece

[7/03/2020] till [14/03/2020] Erasmus + teaching mobility at Óbuda University, HU BUDAPES, Hungary

[27/09/2021] till [12/10/2021] Erasmus + teaching mobility at University of Dubrovnik, Croatia

PERSONAL SKILLS

Mother tongue(s) Montenegrin

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	
Italian	B1	B1	B1	B1	

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Very good

Organisational / managerial skills Good ability for teamwork; From February 2023 he was head of the Training Center for seafarers at the Faculty of Maritime Studies Kotor.

Computer skills Microsoft Office and Internet applications (regular Internet user)

Driving licence A, B category

ADDITIONAL INFORMATION

- Able to communicate concisely and accurately.
- Good organizational skills.
- Willingness to work hard.
- Attends a lot of conferences about marine engineering

Publications Presentations Projects Conferences Seminars Honours and awards Memberships References	Projects: - EUREKA " Recycling loop of metal alloys from dentistry and marine" – REC -MET - Zero C (*Erasmus + project) "Enhancing knowledge and skils at WB HEIs in preparation for zero carbon maritime transport and logistics society", 1.11.2023 – 31.10.2026) - Konkurs za sufinansiranje naučnoistraživačke djelatnosti u 2024. godini, nabavka dva simulatora - LNG-DE3D (LING Diesel Eletric Engine Room Simulator); - RT-flex50DF (Low Spead Dual Fuel Engine Room Simulator). - Učešće na projekat AL4LIFE, Univerzitet Crne Gore 2024.god. - "Mogućnosti uspostavljanja zelenih brodskih ruta na rijekama i morima - Green Pro" (eng. Possibilities of Establishing Green Propulsion Shipping Routes on Rivers and Seas - Green Pro") pod rukovodstvom prof, dr Danila Nikolića. (1.09 2024 – 1.09. 2025.godine) - „Razvoj regionalnog zajedničkog master programa za zaštitu i upravljanje morskom sredinom – MEP&M" (Erasmus+ CBHE projekat br. 619239-EPP-1-2020-1-ME-EPPKA2-
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	CBHE-JP), - Uspostavljanje zelenih pomorskih koridora za ugljenično neutralni kruzing i trajektni saobraćaj u Jadransko-jonskom regionu" (eng. Green Corridors for Carbon-Neutral Cruise and Ferry Shipping in the ADRIAN Region - GREENROUTES") (1.09.2024.god. - 1.2.2027.god.), će kofinansirati Evropska komisija u okviru 1. poziva Programa transnacionalne saradnje Interreg IPA Adriatic 2021. - 2027. - - President of the Alumni club of the Faculty of Maritime Studies Kotor (2023- now) - Vice President of the Boka Navy in Kotor (2023- now) - - Erasmus + project Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries, akronim – BLUEWBC, January 2020 – January 2023. - Montenegro Sustainable Maritime Competence Development Initiative, HERD Maritime 2010-2014, Higher education, research and development in the Western Balkans - Maritime Sector Programme 2012-2014. Project partner UoM Maritime Faculty Kotor, Project Leader for partner Prof. Dr. Danilo Nikolić, collaboration between Maritime Faculty Kotor with Alesund University College, Norway (June 2013 – June 2015); - Modernizing and harmonizing maritime education in Montenegro and Albania – MarED, TEMPUS IV – 6th Call for proposals, project coordinator UoM Maritime Faculty Kotor (01/12/2013 - 30/11/2016); - Papers/reviews published in journals: 1. Miroslav Vukičević, Zdravko Ikica, Boris Hrnić, Vladan Vuković. "Modeling a purification system for efficient removal of abrasive impurities", 13 International conference on social and technological development STED, 06-09 June, 2024 In Trebinje, Bosnia and Herzegovina ISSN 2637-3298 2. Miroslav Vukičević, Zdravko Ikica, Boris Hrnić, Vladan Vuković. "Analysis of marine fuel oil purifier efficiency, chemical elements and compounds found in them", 13 International conference on social and technological development STED, 06-09 June, 2024 In Trebinje, Bosnia and Herzegovina ISSN 2637-3298 3. M. Vukičević, B. Drašković, P. Mustur, T. Šorović: "Environmental benefits and energy efficiency arising from optimization of vessel's voyage" 12 International conference on social and technological development STED, 15 -18 June 2023 In Trebinje, Bosnia and Herzegovina ISSN 2303-498X 4. I. Petrović, Š. Ivošević, M. Vukičević What is a Risk of Increased Traffic in Boka Bay? – Journal of Maritime Sciences (JMS) Vol. 23, No. 2/2022; November 2022 DOI: https://doi.org/10.56080/jms221106 5. Zorica Đurović, Milica Vuković-Stamatović & Miroslav Vukičević: "How much and what kind of vocabulary do marine engineers need for adequate comprehension of ship instruction books and manuals?" :ISSN: 1576-4737 Círculo de Lingüística Aplicada a la Comunicación 88, 123-133, https://dx.doi.org/10.5209/clac.78300 6. Zorica Đurović & Miroslav Vukičević: "Hybrid Twinning on Marine Engine Simulators" Journal of Maritime Sciences (JMS) Vol.23 No.1/2022, ISSN 2787-8880 DOI: https://doi.org/10.56080/jms220508 7. Bratić, K., Stazić, L., Vukičević, M. and Lalić, B. (2021) "Cruise Vessels Air Pollution Inventory for the Port of Kotor", Transactions on Maritime Science. Split, Croatia, 10(1), pp. 200–207. doi: 10.7225/toms.v10.n01.016. 8. Vukičević, M., Račić, N., Ivošević, Š.: Piston ring material in two-stroke engine which sustains wear due to catalyst fines, ISSN 0007-215X eISSN 1845-5859, Brodogradnja Vol. 70, No.2, 2019 http://dx.doi.org/10.21278/brod70208 9. Ivošević Š., Rudolf R., Majerić P., Kovač D., Vukičević M., "Pregled baznih istraživanja mogućnosti primjene materijala sa oblikom u nautičkoj industriji" God.35 Broj 22, Kotor 2019, ISSN 0352-1052 10. Vukičević M., Račić N., Vukašinović D. "Tretman teškog goriva sa aspekta štetnog teškog brodskog goriva sa aspekta štetnog djelovanja katalitičkih nečistoća" God.35 Broj 22, Kotor
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2019, ISSN 0352-1052

Papers published in proceedings of the conferences:

1. **Miroslav Vukičević**, Ivan Šoć, Robert Janković, Danilo Dragović "Virtual reality E-simulator for lng operations" KIMC4 4th Kotor International Maritime Conference, November 2024 ISBN 978-86-80031-68-2
2. **Miroslav Vukičević**, Ivan Šoć, Robert Janković, "VR nautical E-simulator of Kotor Bay" KIMC4 4th Kotor International Maritime Conference, November 2024 ISBN 978-86-80031-68-2
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4. **Miroslav Vukičević**, Zdravko Ikica, Boris Hrnčić, Vladan Vuković. "Analysis of marine fuel oil purifier efficiency, chemical elements and compounds found in them", 13 International conference on social and technological development STED, 06-09 June, 2024 In Trebinje, Bosnia and Herzegovina ISSN 2637-3298
5. **Miroslav Vukičević**, Balša Drašković, Petar Mustur. "Analysis of the main advantages of using gases or other low-flashpoint fuels for ship propulsion" 13 International conference on social and technological development STED, 06-09 June, 2024 In Trebinje, Bosnia and Herzegovina ISSN 2637-3298
6. **Vukičević M.**, Drašković B., Vukašinović D. "Scavenging drain analysis (SDA) from two-stroke diesel engine – most useful analysis" 12 International conference on social and technological development STED, 15 -18 June 2023 In Trebinje, Bosnia and Herzegovina ISSN 2637-3298
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9. M.Nikolić, **M. Vukičević**, A. Radulović: „Bokeljska momarica – kulturno nasljeđe čovječanstva“, konferencija Nematerijalno kulturno nasljeđe i održivi turizam, 28-30.april 2023. god. Tivat
10. **Miroslav Vukičević**, Nikola Račić & Boris Hrnčić: "CAUSES OF WEAR ON PISTON RINGS AND CYLINDER LINERS - "ISHIKAWA DIAGRAM" 2nd Kotor International Maritime Conference (KIMC 2022), November 27-30, 2022 Kotor, Montenegro ISBN 978-86-7664-226-7
11. **Miroslav Vukičević**, Igor Petrović, Zorica Đurović & Lazar Dragović: "HOW TO IMPROVE MONTENEGRIN SEAFARER COMPETITIVENESS IN THE INTERNATIONAL MARKET" 2nd Kotor International Maritime Conference (KIMC 2022), November 27-30, 2022 Kotor, Montenegro ISBN 978-86-7664-226-7
12. Vera Kapetanović, Igor Stanovčić, **Miroslav Vukičević**, Igor Petrović & Tatjana Dlabač: "KEY PERFORMANCE INDICATORS OF THE QUALITY MANAGEMENT SYSTEM IN THE FUNCTION OF MONITORING THE EDUCATION AND TRAINING OF SEAMEN AT THE FACULTY OF MARITIME STUDIES KOTOR" 2nd Kotor International Maritime Conference (KIMC 2022), November 27-30, 2022 Kotor, Montenegro ISBN 978-86-7664-226-7
13. Nikola Jelić and Luka Mijušković "THE IMPORTANCE OF TRAINING FOR OFFICERS AND CREW SERVING ON SHIPS SUBJECT TO IGF CODE" Supervisor: Assoc. Prof. Tatjana Dlabač, **Miroslav Vukičević**, MSc,2nd Kotor International Maritime Conference (KIMC 2022), November 27-30, 2022 Kotor, Montenegro ISBN 978-86-7664-226-7
14. Nemanja Tabaš, Ana Simeunović, Blagoje Mičeta& Vasilije Kovačević "PERFORMANCE

	OF THE ELECTRICITY PRODUCTION ON THE ENGINE ROOM SIMULATOR” Supervisor: Assoc. Prof. Tatijana Dlabač, Miroslav Vukičević, MSc, 2nd Kotor International Maritime Conference (KIMC 2022), November 27-30, 2022 Kotor, Montenegro ISBN 978-86-7664-226-7 15. Igor Petrović, Špiro Ivošević & Miroslav Vukičević: “Does Increased Traffic Increase Risk in Boka Bay?” 1ST Kotor International Maritime Conference (KIMC 2021) 26-27 November 2021, Kotor, Montenegro 16. Zorica Đurović & Miroslav Vukičević: “Hybrid “Twinning” in Maritime Education” 1ST Kotor International Maritime Conference (KIMC 2021) 26-27 November 2021, Kotor, Montenegro 17. Tripo Moškov, Filip Petričević & Miroslav Vukičević: “The Benefits of Sailing Skills for Future Seafarers” 1ST Kotor International Maritime Conference (KIMC 2021) 26-27 November 2021, Kotor, Montenegro 18. Miroslav Vukičević, Zorica Đurović, Boris Hrnčić & Karlo Bratić: “Optimization of Fuel Purifier Operation for More Efficient Elimination of Small Abrasive Impurities” 1ST Kotor International Maritime Conference (KIMC 2021) 26-27 November 2021, Kotor, Montenegro 19. Š. Ivošević, P. Majerić, M. Vukičević, R. Rudolf: “A Study of the Possible Use of Materials With Shape Memory Effect in Shipbuilding” Journal of Maritime and Transportation Sciences, Vol. Special edition No. 3, 2020. Page 265-277. ISSN 0554-6397 Konferencijski članak (Conference paper) 20. Vukičević, M., Cvrk, S., Kovač, D., Lalić, B.,” Measurement of torsional vibration on Propeller Shafts Using Code Discs and Optical Forks” 8th International maritime science conference IMSC 2019, Budva, 11-12 April 2019 ISSN 1847-1498 Page 345-351 21. Vukičević, M., Ivošević, Š., Rudolf, R., Majerić, P.: “An Analysis of the Influence of Abrasive Particles in Fuel on the Degree of Damage to Piston Rings” 8th International maritime science conference IMSC 2019, Budva, 11-12 April 2019 ISSN 1847-1498 Page 301-315 22. Bogdanović M., Vukičević M.: “The environmental impacts of the offshore oil and gas industry” 21st DKMT Conference on Environment and Health, 06-08 June 2019, Faculty of Technology Novi Sad, Serbia ISBN 978-86-6253-107-0 Page 60-68 23. Vukičević M., Bogdanović M., Kovač D., Vujičić S.: „Prospective jobs for Montenegrin seafarers in the epicontinental area of Montenegro “1st International conference of maritime science & technology Naše more 2019, Dubrovnik, 17 – 18th October 2019, ISBN 978-953-7153-52-6 Page 600-610 24. Vukičević M., Račić N., Vukašinović D.: „ Ways of reducing the content of catalytic fines in marine heavy fuel oil “1st International conference of maritime science & technology Naše more 2019, Dubrovnik, 17 – 18th October 2019, ISBN 978-953-7153-52-6, Page 611-624 25. Š. Ivošević, P. Majerić, M. Vukičević, R. Rudolf: “A study of the possible using of materials with shape memory effect in nautics” Eighth conference on marine technology in memoriam of the academician Zlatko Winkler November 15 and 16, 2019, Faculty of Engineering University of Rijeka (ISSN 0554-6397 Print, ISSN 1848-9052 Online): 26. Vukičević Miroslav, Mraković Ivan, Ivošević Špiro: „Analysis of the influence of preventive maintenance of main engines on working parameters and emissions “, 5ta konferencija “Održavanje 2018” Zenica, 10-12 maj 2018., str. 247 - 254, ISSN 1986-583X 27. Miroslav Vukičević, Radmila Gagić, Danilo Nikolić: „Application of simulation software in estimation of NOx emissions from ship’s main engine at different loads “, Internacionalna konferencija IMSC Split, 2017 str. 531-543, ISSN 1847-1498 28. Gagić, R., Vukičević, M., Nikolić, D: “Estimation of PM emissions from cruise ships in
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PERSONAL INFORMATION



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WORK EXPERIENCE

03/11/2023–Present University Teaching Assistant

University of Montenegro, Faculty of Maritime Studies Kotor, Kotor (Montenegro)

- teaching activities, practical lectures and exercises,
- scientific work,
- team member in national and international projects.

25/01/2021–02/11/2023 Technical Associate

University of Montenegro, Faculty of Maritime Studies Kotor, Kotor (Montenegro)

- scientific work,
- team member in national and international projects.

19/12/2018–24/01/2021 Assistant for Lifelong Learning

University of Montenegro, Podgorica (Montenegro)

- providing support of international career for researchers,
- follow young researchers' activities,
- presents comprehensive lifelong learning activities,
- team member in many international, bilateral and trilateral projects.

15/09/2008–18/12/2018 University Teaching Assistant

University of Montenegro, Faculty of Maritime Studies Kotor, Kotor (Montenegro)

- teaching activities, practical lectures and exercises,
- scientific work,
- team member in national and international projects.

16/07/2007–15/07/2008 Trainee

Interlog doo, Bar (Montenegro)

- commercial activities in container transport (Maersk container operator agent)

EDUCATION AND TRAINING

PhD

EQF level 8

26/10/2015–31/05/2022 University of Belgrade, Faculty of Transport and Traffic Engineering, Belgrade (Serbia)

- Traffic engineering,
- Technologies in water transportation.

01/12/2008–30/05/2011

MSc

EQF level 7

University of Belgrade, Faculty of Transport and Traffic Engineering, Belgrade (Serbia)

- Specific,
- Technologies in water transportation.

01/10/2003–10/07/2007

BSc

EQF level 6

University of Montenegro, Maritime Faculty Kotor, Kotor (Montenegro)

- General,
- Mathematics, English language,
- Specific,
- Maritime transport, maritime technologies, intermodal and multimodal transportation techniques, logistics.

26/10/2015–Present

Certificate for attended QMS & EMS Internal Auditor Course

Lloyd' Register LRQA, date issued: 27/05/2015

PERSONAL SKILLS

Mother tongue(s) Serbo-Croatian, Montenegrin

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Italian	B2	B2	B1	B1	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills -good communication skills gained through the numerous international participation at meetings/conferences/seminars/projects, given lectures abroad and other similar activities.

Organisational / managerial skills - good organizational skills and responsible team member.

Job-related skills - motivational leader for young researchers,
- loyal and responsible worker.

Computer skills - good command of Microsoft Office™ tools,
- AMPL, CPLEX, MATLAB, SIMIO (basic), ANYLOGIC.

Other skills - scientific work; project-related activities.

Driving licence - B

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References

Scientific work

Articles in journals at SCI list:

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- **Škurić, M.**, Davidović, T., Maraš, V., Radonjić, A. (2022). The analysis of ferry passenger transportation demands, 20th International Conference on Transport Science – ICTS 2022, 23-24 May 2022, Portorož, Slovenia, pp. 373-378.
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- **Škurić, M.**, Maraš, V., Radonjić, A. (2018), An approach for optimizing ferry passenger fleet size, International Conference on Traffic and Transport Engineering, ICTTE 2018, 27-28 September, Belgrade, Serbia, 195-199, ISBN 978-86-916153-3-8.
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 - **Škurić, M.**, Kofjač, D., Dragović, B., Papan, S. (2012), A Consideration of Berth Allocation and Quay Crane Assignment – A Case Study, The Proceeding of XX International Conference on Material Handling, Constructions and Logistics, University of Belgrade, Faculty of Mechanical Engineering, Department of Material Handling and Design Engineering, October 3-5, 2012, 385-388.
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- Dragović, B., Znić, N. and **Škurić, M.** (2011), Comparison of New and Old Queuing Theory Results for Container Terminal Performance Evaluation, International Association of Maritime Economists, October 25–28th 2011, Santiago de Chile, Chile, 1-20.
- Grgurević, I., Kavran, Z. and **Škurić, M.** (2011), ICT Applications in the Function of Development and Integration of Intermodal Transport System, 6th International Conference on Ports and Waterways – POWA 2011, Zagreb, Croatia, 1-7.
- **Škurić, M.**, Dragović, B., Meštrović, R., Znić, N. (2011), An Estimation of Container Yard Performance, Proceedings of 11th International Conference Research and Development in Mechanical Industry, RaDMI 2011, Sokobanja, 1, ISBN: 978-86-6075-027-5, 401-406.
- **Škurić, M.**, Dragović, B., Markolović, T., Čorović, B. (2011), Port of Bar Conception and Development, Proceedings of 11th International Conference Research and Development in Mechanical Industry, RaDMI 2011, Sokobanja, 1, ISBN: 978-86-6075-027-5, 396-400.
- Dragović, B., Znić, N. and **Škurić, M.** (2011), Advanced Systems for Container Terminals Handling Equipment, Proceedings of 7th Triennial International Conference Heavy Machinery - HM 2011, F Session, 51-56, Vrnjačka Banja, ISBN 978-86-82631-45-3.
- **Škurić, M.**, Dragović, B. and Meštrović, R. (2011), Container Yard Performance Evaluation in Port, Proceedings of 7th Triennial International Conference Heavy Machinery - HM 2011, F Session, 45-50, Vrnjačka Banja, ISBN 978-86-82631-45-3.
- Dragović, B., Znić, N. and **Škurić, M.** (2011), New and Old Results of Queuing Models for Port Modeling, Proceedings of European Conference on Shipping & Ports, Session-24: Operational issues in Seaports, ECONSHIP 2011, Chios, Greece, 1-22.
- **Škurić, M.**, Dragović, B. and Meštrović, R. (2011), Optimal Solution of Queuing Theory Approaches at Container Yard, Proceedings of European Conference on Shipping & Ports, Session-24: Operational issues in Seaports, ECONSHIP 2011, Chios, Greece, 1-14.
- Dragović, B., Kovač, N., **Škurić, M.** (2010), Container Port Planning and Advanced Modeling Techniques, Proceedings of Third International Forum of Shipping, Port and Airport, IFSPA 2010, China, Chengdu, Sichuan, ISBN: 978-962-367-716-5, 375-387.
- Znić, N., Dragović, B., **Škurić, M.**, Mikijeljević, M. (2010), Quayside Container Cranes: Development and Automation, Proceedings of Third International Forum of Shipping, Port and Airport, IFSPA 2010, China, Chengdu, Sichuan, ISBN: 978-962-367-716-5, 388-398.
- **Škurić, M.**, Dragović, B., Markolović, T., Jovović, D. (2010), Container Yard Modeling and Handling Equipment, Proceedings of 10th International Conference Research and Development in Mechanical Industry, RaDMI 2010, Donji Milanovac, Serbia, 1, ISBN: 978-86-6075-017-6, 530-536.
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- Dragović, B., **Škurić, M.**, Markolović, T. (2009), Planning Capacity and Maritime Network Potential in Mediterranean, The Proceeding of XIX International Conference on Material Handling, Constructions and Logistics, University of Belgrade, Faculty of Mechanical Engineering, Department of Material Handling and Design Engineering, October 15-26, 2009, 333-338.
- **Škurić, M.**, Dragović, B., Markolović, T. (2009), A Montenegrin Nautical Tourism Study and Perspective, The Proceedings of 9th International conference Research and development in Mechanical industry, RaDMI 2009, Vrnjačka Banja, Serbia, Conference Proceedings, 1, 508-514.
- Dragović, B., Jovović, D., **Škurić, M.**, Dragović-Radinović, V. (2009), Capacity and Port Investment Model, The Proceedings of 9th International conference Research and development in Mechanical industry, RaDMI 2009, Vrnjačka Banja, Serbia, Conference Proceedings, 1, 449-455.
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- Dragović-Radinović, V., Dragović, B., **Škurić, M.**, Krapović, I. (2009), Container Port Throughput Performance – Case Study: Far East, North West European and Mediterranean Ports, Proceedings of International Conference on Prospects for Research in Transport and Logistics on a Regional - Global Scale, Istanbul, Turkey, 29-34.
- **Škurić, M.**, Jovović, D., Čikmirović, E., Karanikić, Ž., Popović, P. (2009), Port of Bar Capacity Study: Throughput Achievement and Evaluation, Proceedings of ANTiM Conference, February 08 – 11, Vrnjačka Banja, Serbia, Part E, 755-761.

- **Škurić, M.**, Čikmirović, E., Jovović, D., Karanikić, Ž., Popović, P. (2008), Optimizing Capacity for Port of Bar, The Proceedings of 8th International conference Research and development in Mechanical industry, RaDMI 2008, Užice, Serbia, Conference Proceedings, 1, 1010-1019.
- **Škurić, M.** and Dragović, B. (2007), A Market Attractiveness Study by Montenegrin Nautical Tourism, Proceedings of Cruise Shipping Conference, Cruise Shipping Opportunities and Challenges: markets, technologies and local development, Parthenope University, Naples, Italy, 181-216.

International and national projects:

1. "Innovation hub for maritime competencies promotion – IHUBMAR (IKUL-018-24)", National project co-financed by the Innovation Fund of Montenegro, 2024-2025, **Maja Škurić** – coordinator.
2. "Strengthening of digital innovations in maritime affairs through IoT and VR/AR technologies", National project co-financed by the Ministry of Education, Science and Innovation, 2024, **Maja Škurić** – coordinator.
3. Enhancing knowledge and skills at WB HEIs in preparation for zero carbon maritime transport and logistics society – Zero C, Erasmus + Call for proposal 2022. (01/11/2023-31/10/2026), **Maja Škurić** – team member.
4. PrOmoting Resilient, Sustainable, and Smart Transport and logistic activities in the South Adriatic Area – PORTS PLUS, Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (2022-2023), **Maja Škurić** – team member.
5. Development of Regional Joint Master Program in Maritime Environmental Protection and Management – MEP&M, Erasmus + Call for proposal 2020 - EAC/A02/2019. (15/01/2021-14/01/2024), **Maja Škurić** – team member.
6. Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries – BLUEWBC, Erasmus + Call for proposal 2019 - EAC/A03/2018. (15/01/2020 - 14/01/2023), **Maja Škurić** – team member.
7. StrengthHening Intellectual Property and technology transfer processes in greEn sea mobiliTy secTors – SHIPMENTT", Interreg IPA ADRION. **Maja Škurić** - External expert. (01/01/2018 – 31/12/2020).
8. Fostering Internationalization at Montenegrin HEIs through Efficient Strategic Planning - IESP, Erasmus + Call for proposal 2019 - EAC/A03/2018. (15/11/2019-14/11/2021), **Maja Škurić** – team member.
9. Protection underwater heritage through its digitalization and valorization as a novel touristic offer – WRECKS4ALL, Interreg IPA CBC Croatia-Bosnia and Herzegovina-Montenegro 2014-2020, 2nd Call for Proposals, (15/08/2020-14/08/2022), **Maja Škurić** – team member.
10. Innovative Systems to enhance Antifraud Customs Controls – ISACC, Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (01/07/2020-31/12/2021), **Maja Škurić** – team member.
11. Partnership for the prOmotion of a maRiTIme cross-border Strategy – PORTS 4.0, Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (01/04/2020-31/12/2021), **Maja Škurić** – team member.
12. Partnership for the Observation and study of new Routes and Transnational Sea-highways – PORTS Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (15/03/2018 – 14/12/2020), **Maja Škurić** – team member.
13. Open EURAXESS – To strengthen the effectiveness and optimize the services of all partners in an innovative and open EURAXESS Network – EURAXESS TOP IV, H2020 (05/02/2019 – 30/06/2021), **Maja Škurić** – team member.
14. School-to-Work Transition for Higher education students with disabilities in Serbia, Bosnia & Herzegovina and Montenegro - (Trans2Work) – ERASMUS+ programme, (15/10/2015-14/10/2018), **Maja Škurić** – team member.
15. Dragović, B. - project manager: "Applying and promoting the concept of sustainable development to AD Marina Bar" (2014-2017), **Maja Škurić** - Member of the research team of the project - young researcher, Ministry of Science of Montenegro, University of Montenegro, Faculty of Maritime Studies.
16. Dragović, B. and Kofjač, D. Bilateral project managers, research team: Meštrović, R., Šerović, D., **Škurić, M.**, Kapetanović, V., Škraba, A., Brezavšček, A., Urh, M., Zajec, M. (2014 - 2015), "Development of "green "ports in supply chains based on modeling and simulation methods (Case study - Slovenian and Montenegrin ports: Koper, Bar and Kotor)", Ministry of Science of Montenegro and Ministry of Education, Science and Sport , University of Montenegro, Faculty of Maritime Studies, Montenegro. University of Maribor, Faculty of Organizational Sciences, Kranj.
17. Dragović, B. and Kavran, Z, Bilateral Project Managers, research team: Jolić, N., Mostarac, K., Stupalo, V., Čavar, I., Meštrović, R., Čorović, B., Kordić, S., **Škurić, M.** (2011 - 2012), "ICT and e-learning in intermodal transport", Ministry of Science, Education and Sports of the Republic of Croatia and the Ministry of Science of Montenegro, University of Zagreb, Faculty of Transport and Traffic Sciences Zagreb, University of Montenegro, Faculty of Maritime Studies.

18. Dragović, B., Meštrović, R., Rašković, M., Nikčević-Grdinić, J., Čorović, B., **Škurić, M.**, Kovač, N., Kapetanović, V. (2008-2011), "Research of optimal connection of maritime and continental transport systems - Case study: Valorization of intermodality of Montenegrin potentials", Research project, Ministry of Education and Science of Montenegro - Sector for Science, Research and Technological Development, (No. - 05-1/3-3271), Montenegro.

ADDITIONAL

2022-2024: Editorship in a national scientific journal (annually), **Maja Škurić** – Publishing Editor.

PERSONAL INFORMATION



RADMILA GAGIĆ

 Brda bb, 85320 TIVAT, MONTENEGRO

 (382) 32 671 430  (382) 67 617 081

 radmilag@ucg.ac.me

Sex Female | Date of birth 17/04/1990 | Nationality Montenegrin

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

WORK EXPERIENCE

August 2011 to March 2014

Trainee in the specialized company "INVAR-Ivošević" Ltd

INVAR-Ivošević Ltd,
Radovići bb, 85320 Tivat, Montenegro
<http://invar.me/>

- Gathering professional and practical experience in the area of maritime business.

Business or sector Maritime Sector

March 2014 to March 2015

Teaching Assistant at the University of Montenegro (Maritime faculty Kotor)

University of Montenegro, Faculty of Maritime Studies,
Put I Bokeljske brigade 44, 85330 Kotor, Montenegro
<https://www.ucg.ac.me/pfkotor>

- Teaching Assistant (on technical group of courses at the Maritime Sciences Department – Fuels, Lubricants and Water, Engineering Drawings, Risk Management in Shipping, Ship Maintenance and Security)

Business or sector Education

March 2015 to June 2016

Consultant in Maritime affairs in the specialized company "INVAR-Ivošević" Ltd

INVAR-Ivošević Ltd,
Radovići bb, 85320 Tivat, Montenegro
<http://invar.me/>

- Consulting services related to the working activities and international projects.

June 2016 up to now

Teaching Assistant at the University of Montenegro (Maritime faculty Kotor)

University of Montenegro, Faculty of Maritime Studies,
Put I Bokeljske brigade 44, 85330 Kotor, Montenegro
<https://www.ucg.ac.me/pfkotor>

- Teaching Assistant (on technical group of courses at the Maritime Sciences Department – Fuels, Lubricants and Water, Engineering Drawings, Risk Management in Shipping, Ship Maintenance and Security, Marine Environmental Protection, Environmental Management) Laboratory technician in Laboratory for analysis of petroleum and petroleum products at Maritime faculty Kotor.

EDUCATION AND TRAINING

November 2017 up to now

Doctoral studies at study programme Maritime Sciences

Maritime Faculty Kotor, University of Montenegro

- Marine Environmental Protection, Exhaust Emission Assessment, Environmental Impacts of Maritime Operations, Pollution Prevention

October 2018 up to now

Excellence-in-ReSTI pilot training

Centre for social innovation, Wien, Austria

Interreg Danube Transnational Programme « Excellence in research, social and technological innovation project management « Excellence -in-ReSTI

- Project management and application

March to June 2016

Certificate in Maritime Environmental Management

Lloyd's Maritime Academy, London, UK

- Environmental Management, Environmental Impacts of Maritime Operations, Pollution Prevention

2017

Master of Maritime Sciences

MSc

Maritime Faculty Kotor, University of Montenegro

- Marine Environmental Protection, Exhaust Emission Assessment

2012

Specialist of Maritime Sciences

Spec. Sci

Maritime Faculty Kotor, University of Montenegro

- Risk Assessment, Risk Centered Maintenance

2011

Bachelor of Maritime Sciences

BSc

Maritime Faculty Kotor, University of Montenegro

- Marine Ecology, Nautical courses, Marine Engineering courses, Maritime Law

January - February 2010

Certificate (for participation in the European Joint Programme „TRANS-REGIONAL COOPERATION IN MARITIME, TRANSPORT AND SUSTAINABLE DEVELOPMENT“)

BSc

Odessa National Maritime University, Odessa, Ukraine

- Certificate with 12 ECTS credits for Navigation, Intermodal Transport and Maritime Law courses

PERSONAL SKILLS

Mother tongue(s)

Montenegrin

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

Replace with name of language certificate. Enter level if known.

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

Italian	A2	A2	A2	A2	A2
Replace with name of language certificate. Enter level if known.					
Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages					
Communication skills	▪ Good communication skills gained through the international projects implementation, engagement in performing classes and other similar activities.				
Organisational / managerial skills	▪ I have high organizational skills, what has been confirmed, through the successful realization of delegated tasks.				
Job-related skills	▪ Good working skills, great teamwork experience and involvement in the realization of a lot of different activities.				
Computer skills	▪ I have a good command of Microsoft Office™ tools and Internet.				
Driving licence	Driving licence category: ▪ B category				

ADDITIONAL INFORMATION

Publications	▪ Papers published in proceedings of the national and international conferences and journals:
Presentations	
Projects	[1] Gagić, R., Škurić, M., Đukanović, G., Nikolić, D., "Establishing Correlation between Cruise Ship Activities and Ambient PM Concentrations in the Kotor Bay Area Using a Low-Cost Sensor Network", Atmosphere 13 (11), eISSN 2073-4433, available at https://www.mdpi.com/2073-4433/13/11/1819 .
Conferences	
Seminars	
Honours and awards	
Memberships	[2] Gagić, R., Jovašević-Stojanović, M., Nikolić, D., Davidović, M., "PRELIMINARY RESULTS FROM PM MOBILE MONITORING PILOT CAMPAIGN IN BOKA KOTORSKA BAY: PM LEVELS AND OBSERVED MODES IN ONSHORE AND OFFSHORE AREA", International conference WeBIOPATR 2021, Belgrade, Serbia, 29-30 November 2021.
References	[2] Gagić, R., Nikolić, D., "Primjena analitičkih modela za procjenu emisije zagađivača sa kruzer brodova u Bokokotorskom zalivu", XXIV International Conference Informational Technologies IT, Žabljak, Montenegro, 18-22 February 2022. [3] Gagić, R., Vukičević, M., Nikolić, D., "Estimation of PM emissions from cruise ships in Kotor Bay", 6th International conference WeBIOPATR 2017, Belgrade, Serbia, 6-8 September 2017. [4] Vukičević, M., Nikolić, D., Gagić, R., Application of simulation software in estimation of NOx emission from ship's main engine at different loads, 7th IMSC Conference 2017, Split, 20-21 April 2017. [5] Nikolić, D., Gagić, R., Ivošević, Š., Estimation of Air Pollution from ships in the Boka Kotorska Bay (2016). The Boka Kotorska Bay Environment, part of the series The Handbook of Environmental Chemistry pp 1-12. ISBN 1867-979X. Publisher: Springer. [6] Nikolić, D., Cvrk, S., Marstijepović, N., Gagic, R., Filipovic, I., Influence of Biodiesel Blends on Characteristics of Gaseous Emissions From Two Stroke, Low Speed Marine Diesel Engines. Advances in Application of Industrial Biomaterials pp 49 - 63. Print ISBN 978-3-319-62766-3, online ISBN 978-3-319-62767-0. Publisher: Springer. [7] Nikolić, D., Cvrk, S., Marstijepović, N., Gagić, R., Filipović, I., „Evaluation of pollutant emissions from two-stroke marine diesel engine fueled with biodiesel produced from various waste oils and diesel blends”, Brodogradnja, pp 81-90, ISSN 0007-215X, Volume 67 Number 4, 2016 [8] Gagić, R., Bauk, S., Ivošević, Š., Orlando, A.: „PRIMJENA KONCEPTA ODRŽAVANJA ZASNOVANOG NA RIZIKU KOD STARIH BALKERIJERA", 2. Conference "ODRŽAVANJE 2012", Zenica, Bosnia and Herzegovina, 13-16 June 2012

[9] Orlando, A., Bauk S., Ivošević, Š., Gagić, R.: „PRIMJENA FORMALNE PROCJENE SIGURNOSTI KOD STARIH BALKERIJERA“, 2. Conference “ODRŽAVANJE 2012”, Zenica, Bosnia and Herzegovina, 13-16 June 2012

[10] Ivošević, Š., Gagić, R.: „PRIMJENA KONCEPTA ODRŽAVANJA ZASNOVANOG NA RIZIKU KOD STARIH BRODOVA U EKSPLOATACIJI“, 3. Conference KODIP, Montenegro, May, 2012

▪ International Projects:

Montenegro Sustainable Maritime Competence Development Initiative, HERD Maritime 2010-2014, Higher education, research and development in the Western Balkans - maritime sector programme 2012-2014, (June 2013 – June 2015). Coordinator for UoM: Maritime faculty Kotor

Modernizing and harmonizing maritime education in Montenegro and Albania – MARED, TEMPUS IV – 6th Call for proposals, project coordinator UoM Maritime Faculty Kotor, project leader prof. dr Danilo Nikolic (01/12/2013 - 30/11/2017). Coordinator for UoM: Maritime faculty Kotor

Development of Sustainable Interrelations between Education, Research and Innovation at WBC Universities in Nanotechnologies and Advanced Materials where Innovation Means Business. TEMPUS IV – 6th Call for proposals. (01/12/2013 - 31/05/2017). Coordinator for UoM: Maritime faculty Kotor

School-to-Work Transition for Higher education students with disabilities in Serbia, Bosnia & Herzegovina and Montenegro - (Trans2Work) – ERASMUS+ programme, (15/10/2015 - 14/10/2018). Coordinator for UoM: Maritime faculty Kotor

“International certification of maritime education in Montenegro – EDUMAR”, HERIC Project, 2016 – 2017, Coordinator: Maritime faculty Kotor

“Knowledge transfer for increased maritime competences in Montenegro” – IPA Human Resources Development for 2012-2013, 2016 – 2017, Coordinator: Maritime faculty Kotor

“The direct influence of sea and river vessels on PM level and size distribution to marine and river coast zone - SHIPMPOLL” - Scientific and technological cooperation programme between the Government of Montenegro and the Republic of Serbia for 2016-2018

“CHARACTERISTICS (AND SOURCES) OF ATMOSPHERIC SOOT IN MARINE AND RIVER COAST URBAN AREAS: SEASONAL, DIURNAL, ZONAL VARIATION - SOOTVAR” - Scientific and technological cooperation programme between the Government of Montenegro and the Republic of Serbia for 2019-2020

“Partnership for the Observation and study of new Routes and Transnational Sea-highways - PORTS” - INTERREG IPA CBC ITALY–ALBANIA–MONTENEGRO PROGRAMME, (2018 - 2020). Coordinator for UoM: Maritime faculty Kotor

„Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries – BLUEWBC“ - ERASMUS+ programme, (1/1/2020 - 1/1/2023). Coordinator for UoM: Maritime faculty Kotor

“Innovative Systems to enhance Antifraud Customs Controls – ISACC”, Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (01/05/2020 -31/10/2021).

“Partnership for the prOmotion of a maRiTIme cross-border Strategy - PORTS4.0”, Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (01/04/2020 -31/03/2021).

“StrengtHening Intellectual Property and technology transfer processes in greEn sea mobiliTy secTors – SHIPMENTT”, Interreg IPA ADRION. External expert. (01/01/2018 – 31/12/2020).

Development of Regional Joint Master Program in Maritime Environmental Protection and Management (MEP&M) – ERASMUS+ programme, (15/1/2021 - 14/1/2024).

“Protecting underwater heritage through its digitalization and valorisation as a novel touristic offer – WRECKS4ALL”, Interreg IPA CBC Croatia-Bosnia and Herzegovina-Montenegro 2014-2020. (15/08/2020-14/12/2022)

“Strengthening, innovation and promotion of the nautical tourism offer and cultural heritage by cross-

border cooperation – NAUTICA CBC” - Croatia-Bosnia and Herzegovina-Montenegro 2014-2020. (31/03/2021 -31/01/2023).

“PrOmoting Resilient, Sustainable, and Smart Transport and logistic activities in the South Adriatic Area – PORTS PLUS“, Interreg IPA CBC Italy-Albania-Montenegro 2014-2020. (05/10/2022 - 30/06/2023).

“Sea Waste from Adriatic to Enhance Marine Composites – SeaComp“. Bilateral program Italy – Montenegro. (01/01/2023 -31/12/2025).

“Enhancing knowledge and skills at WB HEIs in preparation for zero carbon maritime transport and logistics society – Zero C“ - ERASMUS+ program, (1/1/2023 - 1/1/2026).

“Digital Education for Maritime Communication – DIGIMAR“, ERASMUS+ program, (1/10/2023 - 30/9/2026).

“Innovative Systems to accomplish secure Cross-border Controls – ISACC+“, IPA South Adriatic program, (1/2/2024 - 31/1/2025).

ANNEXES

IVAN MRAKOVIĆ CV

Ivan Mraković was born in Kotor in 1989. He completed his primary and secondary education in Kotor and graduated in 2013 from Faculty of Maritime Studies Kotor, majoring in Applied Nautics. In 2014, he obtained SpecApp degree in Maritime Polytechnics from the same faculty. He earned his MSc degree in 2021 from the Faculty for Information Technologies (Mediterranean University) by defending a thesis titled „Analysis of models for DDoS cyber threats reduction on oceangoing vessels“.

He is currently a PhD student at Faculty of Maritime Studies Kotor, where his doctoral research focuses on improving navigational safety in Boka Bay.

Ivan has been an active seafarer since 2011 and has held the “Master on ships of 3000 GT or more” certificate since 2019. During his studies, he was recognized as the best student of Secondary Maritime School in Kotor (class 2004/08), receiving both a municipal scholarship and a monetary award from „Borivoj Dobrilović“ fund for outstanding academic performance in the first two years of his studies.

Between December 1, 2013 and November 30, 2017, he took part in the implementation of the international project "Modernizing and harmonizing maritime education in Montenegro and Albania - MArED" (project no. 544257-TEMPUS-I-2013-1-ME-TEMPUS-JPCR) coordinated by Faculty of Maritime Studies and funded through the Tempus IV program.

Since September 2016 he has been employed at Faculty of Maritime Studies as a Teaching Assistant and Instructor at Maritime Training Centre.

Ivan is the author and co-author of several scientific papers published internationally. He is also co-author of the book titled “Pravila držanja navigacione straže na brodu“.

He has participated in numerous expert panels and conferences relevant to both the academic and broader community, where he has addressed key topics related to maritime safety, seafarer education, and modern technologies in the maritime domain.

PERSONAL INFORMATION



Igor Petrović

Ulica Petrovica bb, Skaljari, 85330 Kotor, Montenegro

Business – Faculty of Maritime Studies, Put I Bokeljske brigade 44, 85330, Kotor, Montenegro

Business +38232303184 +38269342469

igor.p@ucg.ac.me , gige@t-com.me

Sex Male | Date of birth 22/05/1978 | Nationality Montenegrin

PERSONAL STATEMENT

WORK EXPERIENCE

From 04.10.21 until now

Teaching Assistant and Instructor

University of Montenegro, Faculty of Maritime Studies (Put I Bokeljske brigade 44, Kotor, 85330, Montenegro)

Teaching assistant for nautical subjects, Instructor for various training courses as per STCW and IMO model training programmes (Basic Training, Proficiency in survival crafts, RADAR/ ARPA, ECDIS, BRM, BTM, Crude oil tanker basic and advanced training, Gas tanker basic training, Course for Master Competence, SSO)

From 2005 until now

Instructor

Azalea Trening Centre, Bijela

Instructor for various training courses as per STCW and IMO model training programmes (Basic Training, Proficiency in survival crafts, RADAR/ ARPA, ECDIS, BRM, BTM, Crude oil tanker basic and advanced training, Gas tanker basic training) and special training programmes developed by the Company (Specialized Oil Tanker Training, LNG Carrier Standard Training Course at Operational and Management level, SIRE training programme, Ship to ship operation, Ship handling, BCAF)

From 30.01.99 – 19.06.21

Seaman, last 7 years Captain (Master)

MOL Maritime (Europe) B. V., Alexander Bellstraat 16, BB 3260 - Oud Beijerland, The Netherlands

Sailed on maritime company 'Mitsui OSK Lines' starting as cadet, promoted to 3/O in 2000, 2/O in 2002, C/O in 2007 and Master in 2014. Sailed on different types of vessel as Crude Oil Tanker (Aframax and VLCC), chemical tankers and Liquefied Natural Gas (LNG) gas carrier

From 10.03.17 – 29.07.17

Internal Auditor

MOL Maritime Europe Ltd., based on the contract with MOL Maritime (Europe) B. V., Alexander Bellstraat 16, BB 3260 - Oud Beijerland, The Netherlands

Internal Auditor - ISM/ ISPS/ HSEQ and Navigation Audit, Pre-vetting Inspection

From 21.07.13 – 23.12.15

Operational / HSEQ Superintendent

MOL Maritime Europe Ltd., based on the contract with MOL Maritime (Europe) B. V., Alexander Bellstraat 16, BB 3260 - Oud Beijerland, The Netherlands

Operational and HSEQ Superintendent

EDUCATION AND TRAINING

2021

Master of Maritime Science

University of Montenegro, Faculty of Maritime Studies (Put I Bokeljske brigade 44, Kotor, 85330, Montenegro)

2006

Bachelor of Maritime Science

University of Montenegro, Faculty of Maritime Studies

2000

Maritime science engineer

University of Montenegro, Faculty of Maritime Studies

1996

Nautical technician

Secondary Maritime School, Kotor

PERSONAL SKILLS

Mother tongue(s) Montenegrin

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
italian	A1	A1	A1	A1	A1
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Excellent communication skill gained through my experience as Master, Instructor and Superintendent (all communication was on English language)

Organisational / managerial skills Leadership and Management skill (as Master on board responsible for ship and team of 25 people)

Job-related skills Command of the vessel and quality control of all processes related for safe operation of the vessel. As Internal Auditor and Superintendent was in overall charge for quality control of ship's SMS (Safety Management System)

Digital competence

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificate(s)

- Excellent knowledge of Word/ Excell and Power Point programmes, every-day communication with Company, Charterer and other relevant parties in ship's business

Other skills Ship maintenance, preparation for various inspections (Port State Control, SIRE Vetting)

Driving licence A, B

ADDITIONAL INFORMATION

Presentations

1. Presentation about the Impact of the Boka Navy on the Education of Seafarers, presentation held during Ceremonial Academy of the Bokelian Navy, June 2023
2. Presentation about the Boka Navy and the Fusion of Boka Tradition with Current Maritime Principles in the World, presentation held on Official Opening of the KIMC Conference 2023, November 2023

Various presentations prepared and conducted as Master, Instructor and Auditor

Conferences

1. I. Mraković, I. Petrović, I. Stanovčić, R. Bošnjak; How Artificial Intelligence Can Enhance Maritime Education and Training: Challenges and Opportunities, 11th International Maritime Science Conference,

May 8th & 9th 2025, Solin, Croatia, Book of Abstracts

2. V. Kapetanović, M. Krčum, I. Petrović, J. Nikčević, T. Dlabac; Predlog za unapređenje upravljanja rizicima u instituciji visokog obrazovanja koja se bavi obrazovanjem pomoraca, 29th International Conference on Information Technology (IT), 19 – 22 February 2025, Žabljak, Montenegro

3. J. Nikčević, T. Dlabac, I. Petrović; Towards New Legislative Solutions for Enhancing Maritime Safety in Montenegro, 4th Kotor International Maritime Conference (KIMC 2024), 27-29 November 2024, Kotor, Montenegro, Book of Abstracts

4. V. Kapetanović, M. Krčum, I. Petrović, J. Krčum; Customer Satisfaction - one of the Key Performance Indicators in Quality Management System, 4th Kotor International Maritime Conference (KIMC 2024), 27-29 November 2024, Kotor, Montenegro, Book of Abstracts

5. I. Petrović, S. Vujičić; Overcoming Challenges in Using Eye-Tracking Technology in a Dynamic Nautical Simulation Environment, 4th Kotor International Maritime Conference (KIMC 2024), 27-29 November 2024, Kotor, Montenegro, Book of Abstracts

6. I. Petrović, T. Dlabac, V. Kapetanović; Adoption of Unique Aspects of Competence in Maritime Education: A Case Study of Montenegro, Book of abstract, International Scientific Conference "Science, Philosophy of Science and Scientific Methodology" (NAFASEP 2024), 27-28 September 2024, Podgorica, Montenegro

7. V. Kapetanović, M. Krčum, S. Kordić, I. Petrović, T. Dlabac; A Model Proposal for Monitoring Key Performance Indicators - a Case Study of the Faculty of Maritime Studies Kotor, 28th International Conference on Information Technology (IT), Žabljak, 21 – 24 February 2024

8. I. Petrović, S. Vujičić; Navigational safety improvement through analysis of factors affecting OOW's decision, 3rd Kotor International Maritime Conference (KIMC 2023), 26-29 November 2023, Kotor, Montenegro, Book of Abstracts

9. B. Drašković, R. Bošnjak, I. Petrović, I. Mraković; Measures and actions for improvement of the effectiveness of communication in maritime industry, 3rd Kotor International Maritime Conference (KIMC 2023), 26-29 November 2023, Kotor, Montenegro, Book of Abstracts

10. D. Vukašinović, M. Vukičević, I. Petrović, R. Gagić; Passenger vessel control loss and oil spill in port of Kotor area, 3rd Kotor International Maritime Conference (KIMC 2023), 26-29 November 2023, Kotor, Montenegro, Book of Abstracts

11. I. Petrović, J. Nikčević, V. Kapetanović, T. Dlabac, Seafarers' education and training in practice: Montenegrin experience, 3rd International Conference of Maritime Science & Technology, Naše More, 14-16 September 2023, Dubrovnik, Croatia

12. S. Cvrk, V. Kapetanović, I. Petrović, T. Dlabac, Š. Ivošević, Business improvement based on risk management- case study of Faculty of Maritime Studies, Kotor, Quality 2023 (S. Jašarević, S. Brdarević editors), ISSN 1512-9268, Neum, B&H, 19-21 June 2023., pp. 7-12

13. V. Kapetanović, M. Krčum, I. Petrović, I. Stanovčić, T. Dlabac, Standardization in Maritime Education and Training-The Case Study of the Faculty of Maritime Studies Kotor, 10th International Maritime Science Conference, May 8th & 9th 2023, Solin, Croatia

14. V. Kapetanović, M. Krčum, I. Petrović, T. Dlabac, The importance of information system for seafarers in Montenegro, 27th International Conference on Information Technologies, 15-18 February 2023, Žabljak, Montenegro

15. I. Petrović, M. Dževerdanović-Pejović, D. Milinić, Understanding of terms and effective communication in bridge team management, 2nd Kotor International Maritime Conference (KIMC 2022), 27-30 November 2022, Kotor, Montenegro, Book of Abstracts

16. V. Kapetanović, I. Stanovčić, M. Vukičević, I. Petrović, T. Dlabac, Key performance indicators of the quality management system in the function of monitoring the education and training of seamen at the Faculty of Maritime Studies Kotor, 2nd Kotor International Maritime Conference (KIMC 2022), 27-30 November 2022, Kotor, Montenegro, Book of Abstracts

17. I. Petrović, P. Vidan, Implementation of modern technologies in coastal navigation, 2nd Kotor International Maritime Conference (KIMC 2022), 27-30 November 2022, Kotor, Montenegro, Book of Abstracts

18. M. Vukičević, I. Petrović, Z. Đurović, L. Dragović, How to improve Montenegrin seafarer competitiveness in the international market, 2nd Kotor International Maritime Conference (KIMC 2022), 27-30 November 2022, Kotor, Montenegro, Book of Abstracts

19. I. Petrović, Seaman's role in ship's technical supervision, 7th Conference MAINTENANCE 2022; Budva, 12-16 September 2022, Montenegro

Journals

1. I. Petrović, S. Vujičić; Use of Eye-Tracking Technology to Determine Differences Between Perceptual and Actual Navigational Performance, Journal of Maritime Science and Engineering, J. Mar. Sci. Eng. 2025, 13,247. <https://doi.org/10.3390/jmse13020247>

2. I. Petrović, Š. Ivošević, M. Vukičević, What is a Risk of Increased Traffic in Boka Bay?, Časopis Pomorskog fakulteta Kotor – Journal of Maritime Sciences (JMS), god. 23, br. 2/2022. Vol. 23, No. 2/2022;

Seminars	Participated in many internal conferences organized by the Company Participated in many seminars arranged by the Company (Mitsui OSK Line)
Panels, round table	1. Panel (workshop) moderator on the topic of International Cooperation and Maritime Industry, organized within the framework of the project 'Inovacioni hub za promociju pomorskih kompetencija – IHUBMAR (IKUL-018-24)', funded by the Fond za inovacije Crne Gore 2. Panel participant (roundtable discussion) on the topic of "Competencies, Innovations, and Knowledge in the Maritime Sector" at 2nd Kotor International Maritime Conference (KIMC 2022), 27-30 November 2022, Kotor, Montenegro
Projects	1. M. Dževerdanović-Pejović, Z. Đurović, T. Dlabach, I. Petrović, R. Gagić, V. Popović, D. Vujić, K. Šaranović, Digital Education for Maritime Communication, DIGIMAR (ERASMUS + PROGRAM), October 2023, 2. M. Škurić, D. Nikolić, S. Kordić, R. Gagić, I. Petrović, Jačanje digitalnih inovacija u pomorstvu kroz IoT i VR/AR tehnologije, Ministarstva prosvjete, nauke i inovacija Crne Gore, Podrška inovativnim programima u okviru festivala „Dani nauke i inovacija 2024“, september 2024
Honours and awards	Best student at 'Secondary Maritime School' and best student at 'Maritime Faculty'
Courses / Certificates	As below

State of issue:	Certificate name:	Date of issue:	At:	Expiry:	Number:
Montenegro	Master on ships of 3,000 grt or more	14-02-22	Kotor	14-02-27	08/5-345/22-794/1
Montenegro	General Radio Operator's Certificate	14-02-22	Kotor	14-02-27	08/5-345/22-804/1
Montenegro	Endorsement Of Certificate	14-02-22	Kotor	14-02-27	08/5-345/22-794/1
Montenegro	Endorsement Of Licence	14-02-22	Kotor	14-02-27	08/5-345/22-804/1
Isle Of Man	Master on ships of 3,000 grt or more	08-03-17	London	07-03-22	59575
Cayman-Islands	Master on ships of 3,000 grt or more	12-06-17	G. Town	07-03-22	041521
Marshall Isl.	Master on ships of 3,000 grt or more	12-03-18	London	07-03-22	563714
Marshall Isl.	G.M.D.S.S. Operator General	12-03-18	London	07-03-22	563715
Japan	Master on ships of 3,000 grt or more	01-06-21	Tokyo	31-05-26	1021000580
Japan	G.M.D.S.S. Operator General	31-05-21	Tokyo	27-06-26	7700160000901
Montenegro	Training Course for Instructors				
	IMO 6.09	19-08-06	Bijela		Mo 4030
Montenegro	Ship Safety Officer	22-02-08	Bijela		90501508
Montenegro	Safety at Sea Refresher	03-04-08	Bijela		91503608
Sweden	Maritime Resource Management,				
	Workshop Leader Training	25-05-10	The Swedish Club		MRM-ME-01-WSL-06
Sweden	Bridge Team Management,				
	Train the Trainer Course	17-10-10	CMA		IP
Montenegro	Risk Management and I.I.	15-03-11	Bijela		LR
Sweden	Train the Trainer - Teaching Methods	30-11-11	CMA		IP
Montenegro	Ship to Ship Operations	24-02-12	Bijela		95101312
United Kingdom	Management Development	29-06-12	London		x
United Kingdom	Incident Investigation Course	19-11-13	London		x
Montenegro	ECDIS Generic	01-02-14	Bijela		12702514
Denmark	ECDIS Type Specific FURUNO FEA	04-02-14	Bijela		TE03563
Japan	Trainer's Training for SIRE Seminar	28-05-14	Tokyo		MTANK-TTSIRE2014-02
Poland	Ship Handling	29-08-14	Ilawa		4246/LCC
Norway	ECDIS Type Specific JRC				
	JAN-701B/901B/2000/901M/701	25-11-14	Horten		SID795323E/71866
Montenegro	Vetting, Sire and Tanker Inspections	11-02-15	Bijela		93700615
United Kingdom	Media Response Training	05-03-15	Dubrovnik		MTI
Denmark	ECDIS Type Specific FURUNO FMD	16-02-16	Bijela		TE16579
S&M	Specialized Oil Tanker Training	02-11-05	Bijela		20600705

Montenegro	Specialized Oil Tanker Training – Refresher	06-09-17	Bijela	80600617
Germany	ECDIS Type Specific JRC JAN-9201/7201	06-11-17	Hamburg	99209/347190
Norway	Ship Safety Officer	25-10-18	Horten	SID795323E/107200
Norway	Incident Investigation Course	20-11-18	Horten	SID795323E/107731
Norway	Assessor Training Course	21-11-18	Horten	SID795323E/107810
Norway	Cyber Security Awareness	21-11-18	Horten	SID795323E/107767
Montenegro	Liquefied Gas Tanker Familiarization	07-03-17	Kotor	07-03-22 0405-404-1995/17
Montenegro	Advanced Liquefied Gas Tanker Operations	22-03-16	Kotor	22-03-21 0405-404-1276/16
Montenegro	Standard Training for LNG – Operational level	28-03-14	Bijela	MOLTC(ME)-LNG2014- (ME)0044
Montenegro	Standard Training for LNG – Management level	22-03-14	Bijela	MOLTC(ME)-LNG2014- (HR)0041
Montenegro	Oil & Chemical Tanker Familiarization	14-02-22	Kotor	14-02-27 08/5-345/22-796/1
Montenegro	Advanced Oil Tanker Operations	14-02-22	Kotor	14-02-27 08/5-345/22-795/1
Montenegro	Bridge Resource Management	19-06-20	Bijela	95403020
Montenegro	Basic Training	14-02-22	Kotor	14-02-27 08/5-345/22-800/1
Montenegro	Proficiency in survival craft	14-02-22	Kotor	14-02-27 08/5-345/22-797/1
Montenegro	Medical First Aid Certificate	14-02-22	Kotor	14-02-27 08/5-345/22-798/1
Montenegro	Medical Care Certificate	14-02-22	Kotor	14-02-27 08/5-345/22-799/1
Montenegro	Security Awareness Training	14-02-22	Kotor	14-02-27 08/5-345/22-800/1
Montenegro	Ship Security Officer	14-02-22	Kotor	14-02-27 08/5-345/22-801/1
Norway	Ship Security Officer	14-12-18	Horten	SID795323E/108489
Montenegro	Advance Fire Fighting	14-02-22	Kotor	14-02-27 08/5-345/22-802/1
S&M	Radar Observer and ARPA course	08-07-05	Bijela	10700605

PERSONAL INFORMATION


Đurović Mirko

 Njegoševa 6, Cetinje, Montenegro

 382 68 070 539

 mirko.djur@ucg.ac.me

JOB POSITION

15/04/2004-2013 Assistant in research
2013- Research associate
2014- Director
University of Montenegro, Institute of marine biology (Montenegro)

EDUCATION AND TRAINING

01/2007–07/2012 PhD degree : Ecological study of the juvenile anchovy, *Engraulis encrasicolus* (Linnaeus, 1758) in the Bay of Kotor
University of Belgrade, Faculty of biology, Belgrade (Serbia)

Study of populations, reproductive and fishery biology, assessment of biomass for demersal and pelagic fish species, study of marine mammals and sea turtles

PERSONAL SKILLS

Mother tongue(s) Montenegrin, Montenegrin sign language

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Italian	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

ADDITIONAL INFORMATION

International projects

1. 2017-2019: **Innobluegrowth** „Horizontal Communication and Capitalization project for Innovation in Blue Growth at Mediterranean level“ Interreg-coordinator
2. 2017-2020-**Monteaqua**- Marine Biodiversity Center Conservation- project director
3. 2018-2020- **ARIEL**-Promoting small scale fisheries and aquaculture transnational networking in Adriatic-Ionian macroregion, Adrion, participant
4. 2018-2020- **WELCOME**-WatEr LandsCapes sustainability through reuse of Marine littEr- IPA trilateral- participant
5. 2018-2020- **BLUELAND**-Participatory model for the sustainable management of marine and coastal resources and for cross-border habitats, biodiversity and ecosystem services Safeguard- IPA trilateral, participant
6. IPA project of capitalization **ADRIATIC** + - Sharing Marine and Coastal cross management experiences in the Adriatic basin-project associate
7. IPA project of capitalization - **4PILLARS** - For promoting an innovative multi-Level governance system of EUSAIR- project associate
8. 2013 – 2016: IPA Adriatic CBC Programme “Derelict Fishing Gear Management System in the Adriatic Region (**DeFishGear**)” participant
9. 2012 – 2016: IPA Adriatic CBC Programme “Network for conservations of cetaceans and sea turtles in the Adriatic (**NETCET**)” – coordinator
10. 2009 – today: FAO–AdriaMed Project (Scientific Cooperation to Support Responsible Fisheries in the Adriatic sea) – participant
11. 2010 – today: MEDITS (Mediterranean International Trawl Survey) – participant
12. 2013 – today: MAREA, Specific Project N. 10 – SEDAF – participant
13. 2010–2012: Sustainable management of marine fishery (IPARD) – participant
14. 2011–2012: ADRIJA – Analysis of conditions of demersal resources along the eastern Adriatic coast with recommendations for sustainable management and conservation (Montenegro, Croatia) – participant
15. 2013–2014: Comparison of the state of resources in artisanal fisheries along the eastern Adriatic coast (Montenegro, Croatia) – participant

National projects

1. Biological resources, edible and non-edible, in trawl fisheries at Montenegrin coast (2008 - 2011). Ministry of Education and Science of Montenegro, Department of Science and Higher Education, participant
2. Center of excellence in bioinformatics–Biolct (Jan 2015- Dec 2017) - participant

REFERENCES:

1. Joksimović, A., Đurović, M., Kasalica, O., Pešić, A. (2006). Korišćenje morskih bioloških resursa Crnogorskog primorja na principima održivog razvoja. J. Sci. Agric. Research/Arh. poljopr. nauke 67, 238 (2006/2), 83-89. Beograd. YU ISSN 0354-5695
2. Pešić, A., Đurović, M., Regner, S., Joksimović, A., Simić, V. (2006). Length-weight relationship of juvenile sardine *Sardina pilchardus* (Walbaum, 1792) from Boka Kotorska Bay. Kragujevac Journal. Science. Vol. 28: 91-95. Kragujevac. (SCIndeks) ISSN: 1450-9636
3. Joksimović, A., Regner, S., Pešić, A., Đurović, M. (2006). Diet of Red Mullet, *Mullus barbatus*, L. 1758, on the shelf

- on the Montenegrin coast. II International Symposium of Ecologist of the Republic of Montenegro, 20-24th September 2006, Kotor. Proceedings of the Symposium: 143-147. ISBN: 86-908743-0-5
4. Joksimović, A., Mandić, S., Mićković, B., Đurović, M., Pešić, A., Mandić, M. (2006). Nalazišta riblje mladi u bočatnim vodama priobalja crnogorskog primorja. 35. Konferencija o aktuelnim problemima korišćenja i zaštite voda »VODA« Jun 6-9. Zlatibor. Zbornik radova: 307-312. ISBN: 86-904241-3-X
 5. Joksimović, A., Kasalica, O., Đurović, M., Pešić, A., Mandić, M. (2006). Riblja mlad ekonomski važnih vrsta u priobalnoj zoni Crnogorskog primorja – značaj i zaštita. Konferencija »Vode, vodovodi, sanitarne tehnologije«. 8-11 Maj, Budva. Zbornik radova: 117-122.
 6. Mandić, M., Pešić, A., Đurović, M. (2007). Primjena DEP metode za procjenu biomase pelagičnih resursa. Druga Konferencija »Vode, vodovodi, sanitarne tehnologije«. 25-27 April, Budva, 2007. Zbornik
 7. Regner, S., Joksimović, A., Pešić, A., Đurović, M. (2007). Estimation of biomass of small pelagic fish by acoustic method in the Montenegrin coast. III International Conference „Fishery“. February, 1-3th 2007, Zemun, Belgrade. Conference proceedings: 383-387. ISBN: 978-86-7834-024-6
 8. 14. Đurović, M., Pešić, A., Regner, S. (2007). Procena biomase juvenilnog incuna *Engraulis encrasicolus* (Linnaeus 1758), u Bokokotorskom zalivu. III međunarodna konferencija „Ribarstvo“. 1-3. februar 2007. god, Zemun, Beograd. Zbornik radova: 368-372. ISBN: 978-86-7834-024-6
 9. Mandić, M., Pešić, A., Joksimović, A., Đurović, M. (2007). Species composition of juvenile fish in Boka Kotorska Bay. III International Conference „Fishery“. February, 1-3th 2007, Zemun, Belgrade. Conference proceedings: 347-352. ISBN: 978-86-7834-024-6
 10. Pešić, A., Đurović, M., Regner, S., Simić, V. (2007). Bokakotorska Bay as a feeding place for juvenile sardines and anchovies. III International Conference „Fishery“. February, 1-3th 2007, Zemun, Belgrade. Conference proceedings: 373-377. ISBN: 978-86-7834-024-6
 11. Pešić, A., Đurović, M., Mandić M. (2007). Praćenje ulova male plave ribe u Bokokotorskom zalivu tokom 2004. i 2005. godine. 36. Konferencija o aktuelnim problemima korišćenja i zaštite voda »VODA 2007«. Jun 26-29. Tara, Srbija. Zbornik radova: 275-28. ISBN 978-86-904241-4-6
 12. Joksimović A., Regner S., Kasalica O., Đurović M., Pešić A., Mandić M. (2007). Growth paremeters of Red mullet, *Mullus barbatus* (Linnaeus,1758), on the Montenegrin shelf. XII European Congres of Ichthyology, *Book of abstracts*, 121. Cavtat (Dubrovnik), Croatia 9-13 September 2007.
 13. Joksimović, A., Regner, S., Kasalica, O., Đurović, M., Pešić, A., Mandić, M. (2008). Growth of the red mullet, *Mullus barbatus* (Linnaeus, 1758) on the Montenegrin shelf (South Adriatic). Electronic Journal of Ichthyology (EJI). 2008, Vol 4(1): 1-7 Izrael. ISSN: 1565-7396.
 14. Đurović, M., Pešić, A., Mandić, M., Regner, S., Joksimović, A. (2008). Dužinsko-težinski odnos incuna, *Engraulis encrasicolus* (L.) u Bokokotorskom zalivu. 37. Konferencija o aktuelnim problemima korišćenja i zaštite voda »VODA 2008«. Jun 3-6, Mataruška Banja, Srbija. Zbornik radova: 301-306. ISBN: 978-86-904241-5-3
 15. Mandić, M., Pešić, A., Joksimović, A., Đurović, M. (2008). Main characteristic of population dinamic of hake (*Merluccius merluccius*, Linnaeus 1758) in the open sea of the Montenegrin coastal waters. III International Symposium of Ecologist of the Republic of Montenegro, 8-12 October, Bijela. The book of abstracts and programme of the Symposium: 178-179. ISBN: 978-86-908743-2-3
 16. Đurović, M., Regner, S. (2009). Preliminarni rezultati istraživanja demerzalnih resursa na Crnogorskom primorju – Projekat MEDITs 2008. IV međunarodna konferencija „Ribarstvo“. 27-29. maj, 2009. god, Beograd, Srbija. Zbornik radova, 377-379. ISBN: 978-86-7834-071-0
 17. Mandić, M., Pešić, A., Đurović, M., Mandić, S., Joksimović, A. (2009). Primjena DEP Metode za procjenu biomase male plave ribe u bioekološkim uslovima Crnogorskog primorja 2008 godine. 38 konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2009“. 8-10 jun, 2009. Zlatibor, Srbija. Zbornik radova. 301-306. ISBN: 978-86-904241-6-0
 18. Kasalica, O., Regner, S., Joksimović, A., Ikica, Z., Đurović, M. (2010). Procentualno učešće škampa *Nephrops norvegicus* (Linnaeus, 1785) u kočarskom ribolovu na Crnogorskom primorju. 39. konferencija o aktuelnim

- problemima korišćenja i zaštite voda "VODA 2010", 8-10. jun, 2010, Divčibare, Srbija. Zbornik radova: 217-220. ISBN: 987-86-904241-7-7
19. Pešić, A., Đurović, M., Joksimović, A., Regner, S., Simonović, P. Glamuzina, B. (2010). Some reproductive patterns of the sardine, *Sardina pilchardus* (Walb, 1792), in Boka Kotorska Bay (Montenegro, southern Adriatic Sea). *Acta Adriatica*, 51(2): 159-168. ISSN 0001-5113
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PERSONAL INFORMATION



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Sex M | Date of birth 05/08/1968 | Nationality Montenegrin

WORK EXPERIENCE

Director of Institute, (2007–2013; 2021–2023)

Head of Laboratory of Ichthyology and Marine Fisheries (2006–current)

Employed at the Institute since 1996

Institute of Marine Biology, University of Montenegro

Put I bokeljske brigade 68

85330 Kotor, Montenegro

- General management of the Institute
- Coordinator of several and national international projects
- National focal point for FAO ADRIAMED Project
- Member of Scientific Committee of General Fisheries Commission for the Mediterranean (GFCM)
- Vice-president of the Compliance Committee of GFCM
- Chief of Working Group for Negotiations with the EU – Chapter 13 – Fisheries
- Member of Council of Science Government of Montenegro
- Deputy director of HERIC Project BIO-ICT Center of Excellence, No. 01-1001
- Member of the Senate of University of Montenegro
- Member of the Steering Committee of University of Montenegro
- Vice-Chair of Scientific Advisory Committee – General Fisheries Commission for the Mediterranean (GFCM-SAC), Rome

Business or sector Academic, Research Institute (marine fisheries, biology and aquaculture, marine chemistry)

EDUCATION AND TRAINING

2001- 2005 –

Doctorate in Biological Sciences (PhD)

Second Stage of
Tertiary Education
(Level 6: ISCE 1997)

University of Belgrade, Biological Faculty, Belgrade (Serbia); University of Kragujevac, Faculty of Mathematics and Nature Sciences, Kragujevac (Serbia); CNR ISMAR Ancona (Italy); Institute of Oceanography and Fisheries, Split (Croatia); Institute of Marine Biology, Kotor (Montenegro)

- Replace with a list of principal subjects covered or skills acquired

April 1996 – May 2000

Master of Biological Sciences (Ichthyology and Fisheries)

Second Stage of
Tertiary Education
(Level 6: ISCE 1997)

University of Kragujevac, Faculty of Mathematics and Natural Sciences

- Marine fisheries, fish population dynamics, mariculture, marine environment

October 1988 – April 1993

Biologist

Graduate University
studies 4 years

University of Kragujevac, Faculty of Mathematics and Natural Sciences

- Zoology, Environment, Chordata, Ichthyology

PERSONAL SKILLS

Mother tongue(s) Montenegrin

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	B2
Russian	C1	C1	C1	C1	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- An open, responsible and reliable person. Always ready to share knowledge and ideas with colleagues. Excellent at networking, a team player and a good ability to adapt to multicultural environments.
- Able to build trust, good morale and cooperation within the team.

Organisational / managerial skills

- Good general manager and director
- Good coordinator, experience in project management
- Good organisation skills gained while working in the Institute, as well as through the activities with the Ministry of Agriculture, forestry and water management

Job-related skills

- Committed and professional staff member, with high degree of responsibility, capacity to work under pressure and to respond quickly to new requests, following rules and procedures, willing to accept new challenges

Computer skills

- Microsoft Office™ tools: Word, Excel, Outlook, PowerPoint
- Graphics or photo-imaging software: Adobe PhotoShop, Corel Draw, Paint Shop Program
- Analytical scientific software: FISAT, ATrIS

Other skills

- Photography
- Author and co-author of 136 scientific papers, monographs, and several articles published in peer-reviewed journals, with a particular interest in agriculture and environmental protection (see the Annex)

Driving licence

- A
- B
- C

Annex – Bibliography

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Europass Curriculum Vitae



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Work experience

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Occupation or position held	Head of the Laboratory for mariculture and development center (from 2012), 2023 – present: deputy director of the Institute of marine biology
Main activities and responsibilities	Marine Biology and Ecology, environmental protection, early developmental stages of fishes (Ichthyoplankton), population dynamics and biomass estimates of pelagic stocks, marine aquaculture, marine litter.
Name and address of employer	University of Montenegro - Institute of marine biology, Kotor, Montenegro

Education

Dates	2005
Title of qualification awarded	Graduate biologist; Department of Biology, Faculty of Science, University of Montenegro
Dates	November 2011
Title of qualification awarded	PhD theses: Seasonal aspects of ichthyoplankton diversity in the Boka Kotorska Bay. University of Belgrade, Serbia
Name and type of organisation providing education	University of Podgorica, Montenegro and University of Belgrade, Serbia.

Professional skills and competences	Determination of species, analysis of the spatial distribution of marine organisms; analysis of diversity indices; morphometry of fishes, population dynamics and biomass estimation of pelagic stocks applying the DEPM (Daily Egg Production Method) method, histological analysis of the gonads, the protection and enhancement of fish stocks; marine aquaculture, shellfish farming technology; marine litter.							
Mother tongue(s)	Montenegrin							
Other language(s)								
Self-assessment	Understanding		Speaking		Writing			
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production	
English		x		x		x		x
Italian		x		x		x		

Organization of workshops:

1. AdriaMed Workshop on Daily Egg Production Method for the appraisal of small pelagic fisheries resources in the Mediterranean Sea. "Kotor, Montenegro 27-29.09.2010 - Organization of training and teaching.
2. AdriaMed Training on application of Daily Egg Production Method for the appraisal of small pelagic fisheries resources – Ljubljana, Slovenia 23.06-27.06.2014. Organization of training and teaching.
3. Workshop on "ZOO" and "CITES" directives. Project: Marine Biodiversity Conservation Center "Boka Aquarium"-MonteAqua".

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38. M. Jović, M. Mandić, M. Šljivić-Ivanović, M. Rajačić, J. Marković, A. Onjia, I. Smičiklas. Radioactivity and elemental analysis of mollusk shells (mussel *Mytilus galloprovincialis* and oyster *Ostrea edulis*) from the Boka Kotorska bay, VIII International conference "Water&Fish", June 13-15, 2018, Belgrade, Serbia; ISBN:978-86-7834-308-7; COBISS.SR-ID:264387852; Publisher: University of Belgrade, Faculty of Agriculture; pp.364-368.
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42. **Mandić, M.**, Đurović, Drakulović, D., Krasić, M., Laušević, R. (2019). Preventing marine pollution. International Conference Adriatic Biodiversity Protection - AdriBioPro2019 . 7- 10 April 2019, Kotor, Montenegro, Book of Abstract. 50.
43. Gvozdenović, S., Mačić, V., **Mandić, M.**, Peraš, I., Nikolić, M. (2019). Quantitative and qualitative composition of Veneridae (Bivalvia) in Boka Kotorska Bay, South Adriatic Sea. International Conference Adriatic Biodiversity Protection - AdriBioPro2019 . 7- 10 April 2019, Kotor, Montenegro, Book of Abstract. 27.
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55. Nikolić, S., **Mandić, M.**, Đorđević, N., Peraš, I. (2022): Diversity of marine bivalve molluscs on potential mariculture sites along Montenegrin coast (south-east Adriatic Sea). pp. 183-190. The 51st annual conference of the Serbian water pollution control society “WATER 2022”, 26-28 October 2022, Vrnjačka Banja, Serbia
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International projects (coordination and/or participation):

1. FAO AdriaMed (2004- ongoing). Scientific Cooperation to Support Responsible fisheries in the Adriatic Sea. - project associate
2. FAO InDAM (2012- ongoing) - Indicators for Sustainable Development of Aquaculture and Guidelines for their use in the Mediterranean - project associate
3. OASIS (2006-2008). Open Adriatic Sea Integrated Systems - Integrated Management of inshore aquaculture and fishery in the Central-Southern Adriatic area – project associate
4. INTERREG III - AIA – Aquaculture in Adriatic (2007-2008). Improvement of aquaculture and introduction of new shellfish species in aquaculture on the Adriatic Sea – project associate
5. BALKAN DEVELOPMENT 2012-2014– project coordinator
6. Bilateralni projekat između Crne Gore i Hrvatske- „Non-native species in the coastal area of the southern Adriatic Sea” (2013-2014) - project associate

7. IPA STRATEGIC – “Derelict fishing gear management system in the Adriatic Sea” - DeFishGear (2013-2016) – project coordinator
8. BALMAS (2013-2016)– Ballast water management System in the Adriatic Sea. – project associate
9. BIO-ICT (2014-2017)– Centre of Excellence of Montenegro – project associate
10. IPA Adriatic 4 PILLARS (2016)- For Promoting an Innovative muLti-Level goveRnance System of EUSAIR – project coordinator
11. IPA ADRIATIC + (2016)- Sharing Marine and Coastal cross management experiences in the Adriatic basin” – project associate
12. IPA - Experimental farming of great Mediterranean scallop (*Pecten jacobaeus*) in the Boka Kotorska Bay. (2016-2018)– project coordinator
13. Interreg ALB-CRO-MNE - WELCOME - WatEr LandsCapes sustainability through reuse of Marine litter (2018-2020)- project coordinator
14. UNEP “Adopt a beach” (2018-2019)- project coordinator
15. „Školjkaši: Arhiva okolišnih promjena u obalnim morskim ekosustavima” - BIVACME - hrvatski nacionalni projekat Instituta za oceanografiju i ribarstvo (Split) finansiran od strane Hrvatske naklade za znanost. – project associate
16. Marine Biodiversity Conservation Center “Boka Aquarium” – MonteAqua – project associate
17. Participatory model for the sustainable management of marine and coastal resources and for cross border habitats, biodiversity and ecosystem services safeguard- BLUE LAND. - project associate
18. ERASMUS+ CBHE: “*Development of Regional Joint Master Program in Maritime Environmental Protection and Management* – MEP&M”, Grant Agreement 619239-EPP-1-2019-1-ME-EPPKA2-CBHE-JP. (Period realizacije: 2021-2024) - project associate
19. Erasmus+ CBHE: “Educational Capacity Strengthening for Risk Management of Non-native Aquatic Species in Western Balkans (Albania, Bosnia and Herzegovina and Montenegro)/RiskMan” Grant Agreement 619384-EPP-1-2020-1-TR-EPPKA2-CBHE-JP - project associate
20. IPA CBC Italy-Albania-Montenegro - “Sustainable and innovative Agro food and fisheries value chain for SME’s cross border market” - Food4health” (2019-2022) – project coordinator
21. Replicating the tested Plastic Busters MPAs approaches for ML monitoring and mitigation (u okviru Interreg Med programa) – project coordinator
22. Support to implementation and monitoring of water management in Montenegro. Reference: EuropeAid/139429/IH/SER/ME. Contract no: PWA/MNE/IPAII/CAP16/SER/01-7497-1 (Period realizacije: 2020-2022). – project associate
23. Welcome plus- WatEr LandsCapes sustainability through reuse of Marine litter projekat kapitalizacije rezultata (Period realizacije: 2022-2023) – project coordinator
24. UNEP/MAP (*United Nations Environment Programme - Mediterranean Action Plan*) Marine litter (Period realizacije: 2022-2023) – project coordinator
25. *FAO-AdriaMed Project (GCP/RER/010/ITA) “Scientific Cooperation to Support Responsible Fisheries in the Adriatic Sea”* – project coordinator for mariculture
26. Ipa South Adriatic 2021-2027. „*High LEVEL and market-respondent Competences for a Blue and Digitalized “Smart and skilled South Adriatic”*”, pod akronimom „**H-LEVEL SA-Smart-Skills**“ – project associate
27. Interreg IPA Adrion: Enhancing Cross-Border Cooperation for Riverine Plastic Litter Reduction in the Adriatic and Ionian -TETHYS4ADRION“ (2024-2027)– project coordinator

National projects:

1. Research on Ichthyoplankton and juvenile stages of sardine, *Sardina pilchardus*, and anchovy, *Engraulis encrasicolus*, in the Boka Kotorska Bay (2007 - 2010). Project for doctoral students. Ministry of Education and Science of Montenegro, Department of Science and Higher Education.
2. Biological resources, edible and non-edible, in trawl fisheries at Montenegrin coast (2008 - 2011). Ministry of Education and Science of Montenegro, Department of Science and Higher Education.
3. Experimental project to protect mussel (*Mytilus galloprovincialis*) and oyster (*Ostrea edulis*) farms from predators. Ministry of rural development and agriculture of Montenegro. Coordinator
4. Experimental farming of *Holothuria* sp. under the fish cages. Ministry of rural development and agriculture of Montenegro. Coordinator (2019-2021).
5. Application of FAO GFCM Allocated Zones for Aquaculture in Montenegro. Ministry of rural development and agriculture of Montenegro. Coordinator (2019-2023).

Expertises:

6. Ikica, Z., Đurović, M., Joksimović, A., **Mandić M.**, Marković, O., Pešić, A., Arneri, E., Ceriola, L., and Milone, N. 2013. Report of the monitoring of fisheries sector in Montenegro: BIOLOGICAL SAMPLING, (September 2007- August 2011). AdriaMed technical Documents, 32: 86pp.
7. **Mandić, M.**, Djurović, M., Drakulović, D., Krasić, M., Laušević, R. (2018). Preventing marine pollution. Kotor: University of Montenegro, Institute of Marine Biology. 33 pp.
8. Participation in the creation of the Development strategy of the University of Montenegro 2019-2024 (member of the working group from scientific and research staff)
9. **Mandić, M.** (2019). Beach marine litter Management plan. UNEP Marine litter project. 61 pp.
10. **Mandić, M.**, Đurović, M., Mačić, V., Petović, S., Joksimović, A., Pešić, A., Joksimović, D., Pestorić, B., Huter, A., Marković, S., Drakulović, D., Slavnić, D., Gvozdenović, S., Castelli, A., Peraš, I., Đorđević, N. (2020). Finalni izvještaj o analizama i istraživanjima potencijalno pogodnih lokacija za marikulturu- Zona I (potez Rose-Dobreč-Mirišta). Program finansiran od strane Ministarstva poljoprivrede i ruralnog razvoja Crne Gore. Institut za biologiju mora. 163p.
11. UNEP-MAP-PAP/RAC and MESPU (2021). Marine spatial plan of Montenegro: concept and proposals of planning solutions. Authors (alphabetically): Milena Bataković, Gojko Berlangi, Ines Berlangi, Nika Cigoj Sitar, Željka Čurović, Ivica Đurđević-Tomaš, Mirko Đurović, Srećko Favro, Zdravko Ikica, Mihailo Jovičević, Saša Karajović, Zoran Klarić, Mirjana Kovačić, Željko Lompar, **Milica Mandić**, Marina Marković (Ekologika), Marina Marković (PAP/RAC), Novica Mijović, Ana Mišurović, Aleš Mlakar, Dora Mužinić, Ana Pešić, Ivana Stojanović. Ed.: PAP/RAC, GEF Adriatic project. pp122.
12. UNEP/MAP-PAP/RAC-SPA/RAC and MESPU (2021). Integrated Monitoring Programme – Montenegro. By: Milena Bataković, Olivier Brivois, Daniel Cebrian, Luka Čalić, Željka Čurović, Dragana Drakulović, Mirko Đurović, Ivan Guala, Carlos Guitart, Draško Holcer, Zdravko Ikica, Aleksandra Ivanović, Christos Ioakemidis, Aleksandar Joksimović, Darinka Joksimović, Radovan Kandić, Yakup Kaska, Jelena Knežević, Nada Krstulović, Vesna Mačić, **Milica Mandić**, Marina Marković, Ivana Mitrović, Branka Pestorić, Slavica Petović, Robert Precali, Darko Saveljić, Ivana Stojanović, Ivan Sekovski, Danijela Šuković, Anis Zarrouk, Marco Zenatello, Argyro Zenetos, Vladimir Živković. Eds: PAP/RAC, GEF Adriatic project. pp130 + Annexes
13. UNEP/MAP-PAP/RAC-SPA/RAC and MESPU (2021). Towards an Integrated Marine Good Environmental Status (GES) Assessment for Montenegro. Assessment of the marine environment and the sustainability of the ecosystem values. By (alphabet order): Željka Čurović, Dragana Drakulović, Mirko Đurović, Carlos Guitart, Aleksandra Ivanović, Christos Ioakemidis, Darinka Joksimović, Vesna Mačić, **Milica Mandić**, Marina Marković, Branka Pestorić, Slavica Petović, Robert Precali, Darko Saveljić, Ivana

Stojanović, Ivan Sekovski, Ana Štrbenac, Danijela Šuković, Anis Zarrouk. Eds: PAP/RAC, GEF Adriatic project. pp 110 + Annex

14. **Mandić, M.**, Ioakemidis, C. (2021). Towards a Marine Good Environmental Status (GES) in Montenegro Assessment of Marine Litter (EO10). Study prepared by PAP/RAC, SPA/RAC, UNEP/MAP, and the Ministry of Ecology, Spatial Planning and Urbanism of Montenegro within the GEF Adriatic Project and supported by the Global Environment Facility (GEF). 37 p.

Membership:

1. National responsible for the implementation of CITES Convention in Montenegro (for marine species)
2. Scientific responsible for GFCM CAQ (Committee on Aquaculture) for Montenegro and national scientific focal point for mariculture in Montenegro.
3. Member of the working group for the negotiations with EU on Chapter 13 – Fisheries
4. Member of the working group for the implementation of the Adriatic-Ionian Strategy for the thematic pillar -Quality of the Environment
5. Member of Scientific Advisory Committee for United Nations Environment Programme for marine litter (2019-2021)
6. Member of the working team for the creation of the Spatial Plan of Montenegro until 2040 (the field of mariculture, marine litter and protection of the marine environment)

PERSONAL INFORMATION



Vesna Mačić

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JOB POSITION

1997-2011

Assistent in research

2011-2016

Reseracher

2016-2021

Higher researcher

2021- now

Senior researcher

Institute of marine biology, University of Montenegro

Research of seargass and algae, mapping of marine habitats, monitoring littoral zone, creation of marine protected zones, invasive species.

EDUCATION AND TRAINING

26/09/1996

Bachelor degree, professor of biology, Department of Biology Faculty of Sciences, University of Novi Sad-Serbia 2010.

20/04/2001

MA degreee of Environmental Engineering: Univeirsity of Novi Sad, Serbia
TEMPUS Taxonomical, morphology-anatomycal and phisiological analisis of seagrasses Posidonia oceanica (L.) Del. and Cymodocea nodosa (Ucria) Asch. in the Bay of Boka Kotorska, in purpose of protection. MA degreee of Environmental Engineering TEMPUS, Univerity of Novi Sad, p. 97.

08/07/2010

PhD degree Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad-Serbia: "Ecological potential and bioindicating characteristics of Cystoseira C.Agardh 1820(Phaeophyceae) in the Montenegrin coast", 215p

PERSONAL SKILLS

Mother tongue(s) Serbo-Croat/ Montenegrin

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C2	C2	C2
Italian	C1	C1	C1	C1	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

ADDITIONAL INFORMATION

Other skills SCUBA diver R3; driving licence B, BOSIET

Since 1997. Vesna Mačić is working in Institute of marine biology Kotor, University of Montenegro, as researcher in the field of phytobenthos. She was participant in many national and international projects with special interest to seagrass and macroalgae. Now is involved in habitat mapping, MPA planing, monitoring of protected and invasive species, monitoring of benthic marine litter and other topics related to the benthos. Author of more than 100 publications mostly in regional journals.

International projects

1. Project- »Marine science of coastal management in Adriatic region, Western Balkan« (2006-2010). Norwegian cooperation program on Research and Higher Education with the Countries on the Western Balkans, regarding Marine Science and Coastal Management, **partner in the project**
2. **ADRICOSM project**, 2006-2009 - Adricosm Integrated River Basin and Coastal Zone Managment System: Montenegro Coastal Area and Bojana river Catchment).- **partner in the project**
3. **MEDPOL project**, 2009- 2010 - The marine pollution assessment and control component of Mediterranean Action Plan, **partner in the project**
4. Komparativna istraživanja dinamike planktona Bokokotorskog zaliva i obalnih voda južnog Jadrana, 2011-2012. Projekat bilateralne saradnje između Crne Gore i Hrvatske. Ministarstvo nauke Crne Gore-**partner in the project**
5. **MedMPAnet project, RAC SPA**, 2011-2013 development of Marine and Coastal Protected Areas (MPAs) in Montenegro, **partner in the project**
6. Aloh tone vrste u obalnom području južnog Jadrana, 2013-2014. Projekat bilateralne saradnje između Crne Gore i Hrvatske. Ministarstvo nauke Crne Gore-**partner in the project**
7. Joint Actions for Sea Pollution Prevention (**JASPPer**)- (2013-2015). IPA program prekogranične saradnje između Crne Gore i Hrvatske-**partner in the project**
8. Ballast water management system for Adriatic Sea Protection (Balmas) –IPA **partner in the project**
9. Sistem upravljanja napuštenim ribarskim alatima u Jadranskom regionu – DEFISHGEAR- IPA **partner in the project**
10. Project - »Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential (CoCoNET) « FP7 projekt- **partner in the project**
11. **MedKeyHabitats, RAC SPA** 2015-2016, Mapping of Marine Key Habitats and initiation of monitoring network in Montenegro, **partner in the project**
12. Ekološko istraživanje morskih žarnjaka u Piranskom zalivu (Slovenija) i Bokokotorskom zalivu (Crna Gora) sa posebnom pažnjom na mogući uticaj klimatskih i okeanografskih promjena 2016-2017 **partner in the project**
13. Mapping, monitoring and management of potential crosborder marine Natura 2000 site - 4M, 2017, **participant in the project**
14. COST, project “Advancing marine conservation in the European and contiguous seas” (MarCons) Proposal Reference OC-2015-1-19601 **partner in the project**
15. GEF Adriatic, 2019 Capacity building for assessment of coralligenous communities in montenegro, relevant for GES **partner in the project**
16. Support to Implementation and Monitoring of Water Management, 2021-2024. Montenegro Eptisa Southeast Europe d.o.o., No. P1921005 **partner in the project**
17. Morska NATURA 2000 - Kartiranje i prikupljanje podataka na terenu za morska staništa i vrste po partijama, **rukovodilac projekta**

National projects

1. Biološki indikatori eutrofikacije u Bokokotorskom zalivu. Nacionalni projekat 2008-2011. Ministarstvo prosvjete i nauke Crne Gore, Sektor za nauku i visoko obrazovanje – **partner in the project**
2. Monitoring i biomonitoring kvaliteta vode za marikulturu (2009-u toku). Projekat Ministarstva poljoprivrede i ruralnog razvoja, Sektor za ribarstvo i marikulturu -**partner in the project**
3. Uticaj antropogenog faktora na živi svijet u priobalnom akvatorijumu Crnogorskog primorja. Nacionalni projekat 2012-2015. Ministarstva nauke Republike Crne Gore-**partner in the project**
4. Izvještaj o istraživanju ekosistema mora (flore i faune) za izradu bazne studije - marinski biodiverzitet (nulto stanje) u dijelu nekadašnje kasarne Kumbor, HercegNovski zaliv, za potrebe izgradnje marine- **participant in the project**
5. Survey of the future Marine Protected Area of Platomuni and the adjacent peninsula of Lustica with emphasis on marine caves as potential habitats of the endangered Mediterranean monk seal. 2013. Institute of marine biology, pp 70. **coordinator of the project**
6. Further survey of marine caves including monk seal habitats in Montenegro (cape Platomuni - cape Voluica). 2014. Institute of marine biology pp. 53. **coordinator of the project**
7. Final survey of marine caves including monk seal habitats in Montenegro (cape Voluica - cape Deran). 2015. Institute of marine biology, pp. 141. **coordinator of the project**
8. Stanje zaštićenog kamenog Korala (*Cladocora caespitosa*) u BokoKotorskom zalivu i veza s Klimatskim primjenama (akronim je 3K) (2018-2019) **coordinator of the project**
9. National monitoring of marine environment, part III – *Posidonia oceanica*, CARLIT and NIS, 2018, Agency of environmental protection. **participant in the project**
10. Istraživanje i promocija Korálnih Zajednica u Bokokotorskom Zalivu. 2020. Finansijer JP Morsko dobro **coordinator of the project**
11. Monitoring of posidonia meadows (*Posidonia oceanica*) in the future MPA Katič, NVO Green Home, 2020. **participant in the project**
12. National monitoring of marine environment, part III – *Posidonia oceanica*, CARLIT and NIS, 2023, Agency of environmental protection. **participant in the project**
13. Morska NATURA 2000 - Kartiranje i prikupljanje podataka na terenu za morska staništa i vrste po partijama, 2023, coordinator of the project

Some trainings

1. Italy (Venice) 1998 (15 days) Coastal zone management
2. Canada (Sidny B.C.) 2002 (7 days) Side Scan sonar
3. Italy (Oristano) 2003 (60 days) Seagrass mapping
4. Italy (Cesenatico) 2005 (20 days) Biotoxins in the food, HAB
5. France (Nice) 2006 (30 days) Taxonomy of algae
6. France (Nice) 2007 (30 days) Taxonomy of lgae and CARLIT
7. Egypt (Sharm El Sheik) 2008 (7 days) Invasive species
8. Tunis (Tabarka) 2009 (12 days) Management in the MAP
9. Turkey (Kas) 2010 (7 days) Management of the fishery in the Marine protected area (MPA)
10. Spain (Santa Pola) 2011 (5 days) Monitoring in MPA
11. Croatia (Split) 2011 (6 days) Management of tourism in MPA
12. Italy (Lecce) 2013 (3 days) Habitat classification and GES
13. Lebanon (Batroun) 2014 (3 days) Ostreopsis HAB and monitoring
14. Morocco (Rabat) 2014 (6 days) GES and MAP
15. Tunis (Monastir) 2014 (9 days) Mapping key habitats
16. USA (several locations) 2015 (18 days) Coastal and marine resources management in the U.S.

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4. Budak, V., Mačić, V., Mačić, Lj. And Anačkov, G. (2000): Flora brda Sv Ivan u okolini Kotora. Zbornik radova o flori jugoistočne Srbije i susjednih područja. Abstract
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PERSONAL INFORMATION

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Sex Female

Date of birth 17/09/1971

Nationality Montenegrin

WORK EXPERIENCE

2003- Scientific adviser-

University of Montenegro-Institute of marine biology

Expert for zoobenthos (taxonomy and ecology of main invertebrates groups, NIS, benthic habitats)

2001-2002

Advisor for protection of natural and cultural heritage

Municipality of Kotor

1996-2001

Teacher of biology and ecology

High school Budva

EDUCATION AND TRAINING

2022

Virtual training course on the identification of macrobenthic invertebrates incidentally caught during fishing operations, FAO, GFCM

2014

Mediterranean training session on inventory, characterization, mapping and monitoring of marine key habitats of conservation interest in the Mediterranean Sea (Kuriat Islands, Monastir, Tunisia)

2010

PhD Faculty of Biology, University in Belgrade, Serbia

2008

Taxonomy course on Mediterranean marine and coastal fauna and reference collection. UNEP-MAP-RAC/SPA-CIMAR. Spain

2004/5

The Professional Master Course on Geomatics and Natural Resources Evaluation. Istituto agronomico per l'oltremare, Florence, Italy

2003

International water and environment school for the Mediterranean region for technicians and administrative executives. Planning and managing the water resource. Bari, Italy

2001

MSc-Department of water protection, Faculty of Agriculture, University of Novi Sad, Serbia

1995

BSc-Department of Biology Faculty of Sciences, University of Novi Sad, Serbia

PERSONAL SKILLS

Mother tongue(s)

Montenegrin

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Replace with name of language certificate. Enter level if known.					
Italian	B2	B2	B2	B2	B2
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

▪

▪

Job-related skills ▪ Advance open water diver (PADI)

Driving licence B

Publications

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16. **Petović, S.**, Mačić, V. (2017). New data on *Pinctada radiata* (Leach, 1814) (Bivalvia: Pteriidae) in the Adriatic Sea. *Acta Adriatica* 58(2), 375-362.
17. **Petović, S.**, Gvozdenović, S., Ikica, Z. (2017). An Annotated Checklist of the Marine Molluscs of the South Adriatic Sea (Montenegro) and a Comparison with Those of Neighbouring Areas. *Turkish Journal of Fisheries and Aquatic Sciences*, 17: 921-934. doi: 10.4194/1303-2712-v17_5_08
18. **Petović, S.**, Grieco, F., Mačić, V., Montesanto, F., Mastrototaro, F. (2017). New data on *Aplidium tabarquense* (Tunicata: Ascidiacea) distribution in the Adriatic Sea. *Turkish Journal of Zoology Turk J Zool* 42: 146-151. DOI: 10.3906/zoo-1705-49
19. **Petović, S.** and Marković, O. (2017). Characteristics of the Zoobenthos in Boka Kotorska Bay. A. Joksimović et al. (eds.), *The Boka Kotorska Bay Environment, The Handbook of Environmental Chemistry* 54, Springer Berlin Heidelberg, pp 271-294. DOI: 10.1007/698_2016_23
20. **Petović, S.**, Marković, O., Ikica, Z., Đurović, M., Joksimović, A. (2016). Effects of bottom trawling on the benthic assemblages in the south Adriatic Sea (Montenegro). *Acta Adriatica* 57(1): 81-93.
21. **Petović S.**, Krpo-Četković J. (2016). How depth and substrate type affect diversity and distribution patterns of echinoderms on the continental shelf in the south-eastern Adriatic Sea. *Acta zoologica bulgarica* 68(1): 89-96 ISSN: 0324-0770
22. Marković, O., Ikica, Z., Đurović, M., Mandić, M., Pešić, A., **Petović, S.**, Joksimović, A. (2016) Some Preliminary Data about Reproductive Activity of Female of *Nephrops norvegicus* (Linnaeus, 1758), in the South Adriatic Sea (Montenegro). *Turkish Journal of Fisheries and Aquatic Sciences* 16, pp: 743-748, ISSN 1303-2712
23. Marković, O., Gokoglu, M., **Petović, S.** & M. Mandić (2014). First record of the Northern brown shrimp, *Farfantepenaeus aztecus* (Ives, 1891) (Crustacea: Decapoda: Penaeidae) in the South Adriatic Sea, Montenegro. *Medit. Mar. Sci.*, 15/1, 165-167. e-ISSN: 1791-6763 ISSN: 1108-393X
24. **Petović, S.**, Marković, O. (2013). Degradation of benthic communities using demersal trawling. *Journal of Agriculture and forestry* Vol. 59 No. 2: 157-164. ISSN 0554-5579 (Printed) ISSN 1800-9492 (Online)
25. **Kaščelan, S.**, Mandić, S., Radović, I. & Krpo-Četković, J. (2009). An annotated checklist of Echinodermata of Montenegro (the south Adriatic Sea). *Zootaxa*, 2275: 21-40.

Projects

- Evaluacija toksičnosti naftnih disperzanata I određivanje sadržaja mikroplastike u morskim organizmima sjevernog I južnog dijela Jadrana- Bilateralna Crna Gora-Slovenija 2023-2024
- COST Action: CA20102 - Marine Animal Forest of the world (2021-2025)
- INTEREG Med- Sharing and enhancing capabilities to address environmental threats in Mediterranean Sea- SHAREMED 2019-2022
- INTEREG Med - Promoting multilevel governance for tuning up biodiversity protection in marine areas- TUNE UP 2019-2022
- INTEREG IPA CBC - Adriatic Network for Marine Ecosystem- ADRINET 2018-2020

- Implementation of the Ecosystem Approach in the Adriatic Sea through Marine Spatial Planning – GEF Adriatic 2019
- Support To Implementation And Monitoring Of Water Management In Montenegro 2020-
- Promoting Protected Areas Management through Integrated Marine and Coastal Ecosystems Protection in Coastal Area of Montenegro-GEF 2019-2020
- „Biological indicators of eutrophication in Boka kotorska Bay„(2008-2011);
- »Bioecological characteristics of zones suitable for mariculture in the Boka kotorska Bay«(2008-2011);
- »Biological resource, edible and non-edible in fishing by trawl on Montenegrin coast« (2008-2011);
- IPA STRATEGIC – “Ballast water management system for Adriatic Sea protection- BALMAS 2013-2016.g.
- IPA STRATEGIC–“Derelict fishing gear management system in the Adriatic Sea” - DeFishGear 2013-2016.g.
- Program praćenja bioloških parametara i resursa u moru po transektima za 2015/2016. godinu.
- Study on the research of marine ecosystems (flora and fauna) for the preparation of a baseline study - marine biodiversity (zero state) in the part of the former barracks Kumbor, Herceg Novi Bay, for the construction of the marina, 2013
- Porto Montenegro monitoring program 2015-2018.g.
- Identification of micropredators of barren-forming sea urchins by molecular markers” 2015-2016. (Italia-Montenegro bilateral project)
- Allochthonous species in the coastal area of the southern Adriatic, 2014-2015. (Montenegro-Croatia bilateral project)
- MedMPAnet project, RAC SPA, development of Marine and Coastal Protected Areas (MPAs) in Montenegro, 2011-2013
- MedKeyHabitats, RAC SPA, Mapping of Marine Key Habitats and initiation of monitoring network in Montenegro, 2015-2016
- COST, projekat “Advancing marine conservation in the European and contiguous seas” (MarCons) Proposal Reference OC-2015-1-19601
- ADRICOSM project, - Adricosm Integrated River Basin and Coastal Zone Managment System: Montenegro Coastal Area and Bojana river Catchment).- 2006-2009
- Ecological research of sea Anthozoa in the Piran Bay (Slovenia) and the Boka Kotorska bay (Montenegro) with special attention to the possible impact of climate and oceanographic changes 2016-2017
- GEF Adriatic, 2019 Capacity building for assessment of coralligenous communities in Montenegro, relevant for GES
- Support to Implementation and Monitoring of Water Management, Montenegro Eptisa Southeast Europe d.o.o., No. P1921005
- Status of protected stone Coral (*Cladocora caespitosa*) in the Boka Kotorska bay and connection with climate changes (acronym is 3K) (2018-2019)
- Research and promotion of Coral Communities in the Bay of Kotor. 2020. Financier JP Morsko dobro
- Protection of aquaculture farms from predators, Ministry of Agriculture and Rural Development, 2013-2014.
- Feasibility study and agreed plan for the establishment of the Platamuni marine protected area, 2014.g.UNDP i Agencija za životnu sredinu.
- Local Biodiversity Action Plan of the Municipality of Tivat for the period from 2013-2018.

PERSONAL INFORMATION

Pesic Ana



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Sex Female | Date of birth 31.12.1978 | Nationality Serbian

POSITION

Scientific advisor in Laboratory for ichthyology and marine fisheries,
University of Montenegro - Institute of marine biology, Kotor, Montenegro

WORK EXPERIENCE

	Dates	July 2023 – Present	Scientific advisor
	Occupation or position held	Laboratory for ichthyology and marine fisheries, Institute for marine biology, Dobrota bb, P. Box 69, 85 330 Kotor, Montenegro	
	Dates	June 2018 – July 2023	Senior scientific associate
	Occupation or position held	Laboratory for ichthyology and marine fisheries, Institute for marine biology, Dobrota bb, P. Box 69, 85 330 Kotor, Montenegro	
	Main activities and responsibilities	National coordinator for biological data for DCF/DCRF programme. National coordinator for Discard monitoring Programme. Estimation of population dynamics parameters of economic important fish species, biomass estimation, MSY (Maximum Sustainable Yield) and optimal fishing effort estimations, estimation of shared stocks of pelagic resources, allochtone species in fishery, biodiversity of marine resources.	
	Dates	June 2012 – June 2018	Scientific associate
	Occupation or position held	Laboratory for ichthyology and marine fisheries, Institute for marine biology, Dobrota bb, P. Box 69, 85 330 Kotor, Montenegro	
	Main activities and responsibilities	Estimation of population dynamics parameters of economic important fish species, biomass estimation, MSY (Maximum Sustainable Yield) and optimal fishing effort estimations, estimation of shared stocks of pelagic resources, allochtone species in fishery, biodiversity of marine resources.	
	Dates	March 2007 – June 2012	Research assistant

Occupation or position held	Laboratory for ichthyology and marine fisheries, Institute for marine biology, Dobrota bb, P. Box 69, 85 330 Kotor, Montenegro
Main activities and responsibilities	Monitoring and estimate of population dynamics parameters of pelagic resources aimed to fishery management.

EDUCATION AND TRAINING

Dates	2007 to 2011
Title and qualification awarded	Doctor of Biological sciences Ph. D.
Principal subjects/occupational skills covered	Ichthyology, Marine Fisheries
Name and type of organisation providing education and training	Faculty of Biology, University of Belgrade, Serbia
Dates	2003 to 2007
Title and qualification awarded	Postgraduate M. Sc. Master of Biological sciences
Principal subjects/occupational skills covered	Ichthyology, Marine Fisheries
Name and type of organisation providing education and training	Faculty of Natural-Mathematical Sciences, Kragujevac, Serbia Department of Hydrobiology
Dates	1997 to 2003
Title and qualification awarded	Graduate, Bachelor of Biological and Ecological sciences
Principal subjects/occupational skills covered	Ecology
Name and type of organisation providing education and training	Faculty of Natural-Mathematical Sciences, Kragujevac, Serbia Department of Ecology

EDUCATION AND TRAINING

- Training Course for Operators in Fish Markets and Fishing – Adriatic Fishing Observatory – AFO (Interreg III A). 10th-12th October 2006, Duress (Albania) and 25th-27th October 2006, Ancona (Italy).
- Training Course on the use of Geographic Information Systems in Fisheries and Aquaculture – FAO Regional Project "Scientific Cooperation to Support Responsible Fisheries in the Adriatic Sea". 3-13 July 2007, Split, Croatia.
- Training Course on the Daily Eggs Production Method (DEPM) for the Appraisal of Small Pelagic Fisheries Resources– FAO Regional Project "Scientific Cooperation to Support Responsible Fisheries in the Adriatic Sea". 11-15 September 2007, Kotor, Montenegro.
- AdriaMed Workshop on Daily Egg Production Method for the appraisal of small pelagic fisheries resources in the Adriatic Sea “. Kotor, Montenegro 27-29.09.2010 – **Lecturer and organizer**
- AdriaMed training course on Virtual Population Analysis (VPA) methods in Fish Stock Assessment. Rome, Italy, 22-26 November 2010.
- European Project Planning IT-2011-631-003- October – Edition 28. Florence, Italy, 11-15 October 2011.
- Workshop on Mediterranean gears, fishing technology and selectivity. Tangier, Morocco, 26-30 November 2012.
- EU Working Group Meetings training course. Podgorica, Montenegro, 09-12 September 2013.
- Training course on the use of the “R” programming language for statistical analysis. Rome, Italy, 26-30 January 2015.

MEMBERSHIP OF PROFESSIONAL BODIES

- Member of GFCM Working Group for Stock Assessment of Small Pelagic;
- Member of AdriaMed Working Group for application of DEPM in Adriatic;
- Member of AdriaMed Working Group for Stock Assessment of Small Pelagic;
- Member of Working Group for preparation of Law and Rulebooks on Marine Fisheries and Aquaculture;
- Member of Working Group for Illegal Fishery in Montenegro;
- Member of Working Group for Negotiations in Fishery (Chapter 13);
- National expert focal point for BLUELAND Initiative;
- National coordinator for ASFA activities
- Fishery sector study for the IPARD programme

STUDIES AND DOCUMENTS

- Third National Communication on Climate Change – Report on appearance of new alien species in Adriatic Sea as a consequence of climate change – LEK method (Local Ecological Knowledge)
- Local action plan for biodiversity for Municipality Tivat (2018-2023)
- Spatial plan of Montenegro – till 2040
- Vulnerability analysis of marine environment in Bokakotorska Bay

PERSONAL SKILLS

Mother tongue(s) Serbian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
Italian	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication skills gained through my experience as a participant of numerous research projects. Responsible and reliable person, good in networking and knowledge sharing.

Organisational / managerial skills Committed and professional staff member, with high degree of responsibility, capacity to work under pressure and to respond quickly to new requests, following rules and procedures, willing to accept new challenges.

Computer skills Good command of Microsoft Office™ tools. Professional usage of fishery and environmental software's (R, FISAT, ODV etc)

Driving licence ▪ B

ADDITIONAL INFORMATION

PUBLICATIONS

Journals of international importance:

1. Pešić, A., Đurović, M., Regner, S., Joksimović, A. & Simić, V. 2006. Length-weight relationship of juvenile sardine *Sardina pilchardus* (Walbaum, 1792) from Boka Kotorska Bay. Kragujevac Journal. Science. Vol. 28: 91-95. Kragujevac.
2. Joksimović, A., Đurović, M., Kasalica, O. & Pešić, A. 2006. Menagment of marine biological resources of Montenegrin Sea on the base of sustainable development. J. Sci. Agric. Research 67, 238 (2006/2), 83-89.
3. Joksimović, A., Regner, S., Kasalica, O., Đurović, M., Pešić, A. & Mandić, M. 2008. Growth of the red mullet, *Mullus barbatus* (Linnaeus, 1758) on the Montenegrin shelf (South Adriatic). Electronic journal of Ichthyology. March 2008, 1-7.
4. Pešić, A., Đurović, M., Joksimović, A., Regner, S., Simonović, P. & Glamuzina, B. 2010. Some reproductive patterns of the sardine, *Sardina pilchardus* (Walb, 1792), in Boka Kotorska Bay (Montenegro, southern Adriatic Sea). Acta Adriat., 51(1): 85-92, 2010.
5. Pešić, A., Joksimović, A., Regner, S. & Mićković, B. 2011. Some biological parameters of red mullet, *Mullus barbatus* (Linnaeus, 1758), in Montenegrin waters. Stud. Mar. 25 (1), 121-136.
6. Pešić, A., Mandić M., Marković O., Đurović M., Ikica, Z. & Joksimović A. 2011. Marine fisheries in Montenegro in the last decade (2000-2010). Agriculture & Forestry, Vol 51. (05) (1-4), 51-59.

7. Ikica, Z., Đurović, M., Joksimović, A., Mandić, M., Marković, O., Pešić, A., Arneri, E., Ceriola, L. & Milone N. 2013. Report on the monitoring of fisheries sector in Montenegro: BIOLOGICAL SAMPLING (September 2007–August 2011). AdriaMed Technical Documents, 32: 87 pp.
8. Ikica, Z., Đurović, M., Joksimović, A., Mandić, M., Marković, O. & Pešić, A. 2013. Small-scale fisheries in Montenegro. In: AdriaMed. Report on AdriaMed technical meeting on Adriatic Sea small-scale fisheries (Split, Croatia, 13–14 November 2012). AdriaMed Technical Documents, 33: 58–68.
9. Pešić, A., Joksimović, A., Đurović, M., Mandić, M., Marković, O. & Ikica, Z. 2012. Biological Characteristic of Mediterranean Horse Mackerel (*Trachurus mediterraneus*, Steindachner, 1868) from the Montenegrin Shelf (South Adriatic). Water Research and Management, Vol.2, No 3, 29-33.
10. Đurović, M., Pešić, A., Regner, S., Joksimović, A., Mandić, M., Kasalica, O., Ikica, Z. & Krpo-Četković, J. 2012. Daily otolith increments and growth rate of juvenile anchovy, *Engraulis encrasicolus* (Linnaeus, 1758), in the south-eastern Adriatic Sea. Acta Adriat., 53(3), 331 – 340.
11. Mandić, M., Đurović, M., Pešić, A., Joksimović, A. & Regner, S. 2013. Boka Kotorska Bay – spawning and nursery area for pelagic fish species. Stud.Mar. 26/1. 33-46
12. Glamuzina, B., Pesic, A., Joksimovic, A., Glamuzina, L., Matic-Skoko, S., Conides, A., Klaoudatos, D. & Zacharakis, P., 2014. Observations on the increase of wild gilthead seabream, *Sparus aurata*, abundance, in the eastern Adriatic Sea: problems and opportunities. Int Aquat Res (2014) 6:127–134.
13. Đurović, M., Pešić, A., Joksimović, A., Dulčić, J. 2014. Additional record of a lessepsian migrant – the dusky spinefoot, *Siganus luridus* (Ruppell, 1829) in the eastern Adriatic (Montenegrin coast). Annales Ser. Historia Naturalis 24, 2, pp: 87-90. UDK 597.556.33:574.91(262.3)
14. Mandić, M., Regner, S., Đurović, M., Joksimović, A., Pešić, A. and Krpo-Četković, J. 2015. Distribution and abundance of eggs and estimation of spawning stock biomass of anchovy, *Engraulis encrasicolus* (Linnaeus, 1758), in the South-eastern Adriatic Sea. Journal of the Marine Biological Association of the United Kingdom, pp 1 - 9. issn = 1469-7769. Marine Biological Association of the United Kingdom, 2015 doi:10.1017/S002531541400215X
15. Marković O., Ikica, Z., Đurović, M., Mandić, M., Pešić, A., Petović, S., Joksimović, A. (2016). Some Preliminary Data about Reproductive Activity of Female of *Nephrops norvegicus* (Linnaeus, 1758), in the South Adriatic Sea (Montenegro). Turkish Journal of Fisheries and Aquatic Sciences 16: 743-748 (2016). ISSN 1303-2712
16. Mandić, M., Pešić, A., Đurović, M., Joksimovic, A. and Regner, S. (2016). Composition and distribution of ichthyoplankton in the Boka Kotorska Bay. In (eds.) The Boka Kotorska Bay Environment. Hdb Env Chem, DOI 10.1007/698_2016_28. Springer International Publishing Switzerland.
17. Pešić, A., Đurović, M., Joksimovic, A. and Regner, S. (2016). The History of Fishery in Boka Kotorska Bay and Traditional Types of Fishery. Hdb Env Chem, DOI 10.1007/698_2016_43. Springer International Publishing Switzerland.
18. Matic-Skoko, S., Ikica, Z., Vrdoljak, D., Peharda, M., Tutman, P., Dragičević, B., Joksimović, A., Dulčić, J., Đurović, M., Mandić, M., Marković, O., Stagličić, N. and Pešić, A. (2017). A comparative approach to the Croatian and Montenegrin small-scale fisheries (SSF) in the coastal eastern Adriatic Sea: differences in seasonality of using fishing gears and target species. Acta Adriatica 58 (3), 459-480. ISSN:0001-5113, AADRAY
19. Popović, T., Latinović, N., Pešić, A., Zečević, Ž., Krstajić, B., Đukanović, S. (2017). Architecting an IoT-enabled platform for precision agriculture and ecological monitoring: A case study. Computers and Electronics in Agriculture, 140 (2017) 255–265. <http://dx.doi.org/10.1016/j.compag.2017.06.008>
20. Gvozdenović, S., Mandić, M., Pešić, V., Nikolić, M., Pešić, A. and Ikica, Z. (2017). Comparison between IMTA and monoculture farming of mussels (*Mytilus galloprovincialis* L.) in the Boka Kotorska Bay. ACTAADRIAT., 58(2): 271 - 284, 2017.
21. Ikica, Z., Đurovic, M., Joksimović, A., Mandi, M., Marković, O., Pešić, A., Arneri, E., Ceriola, L. & Milone N. (2017). Report on the monitoring of fisheries sector in Montenegro: BIOLOGICAL SAMPLING (September 2007–August 2011). Monograph. Studia Marina, Monograph Series 1. 106 pp. ISBN 978–9940–9613–1–2
22. Đurović, M., Joksimović, A., Pešić, A., Marković, O., Regner, S., Mandić, M. and Ikica, Z. (2018). Reproductive pattern of anchovy, *Engraulis encrasicolus* (Linnaeus, 1758), in the Boka Kotorska Bay (Montenegro, southern Adriatic Sea), Acta Adriatica 59 (2): 173-184 (ISSN:0001-5113) AADRAY. DOI: 10.32582/aa.59.2.2
23. Anastasopoulou, A., Kovač Viršek, M., Bojanić Varezić, D., Digka, N., Fortibuoni, T., Koren, Š., Mandić, M., Mazziotti, C., Mytilineou, C., Pešić, A., Ronchi, F., Šiljić, J., Torre, M., Tsangaris, C., Tutman, P. (2018). Assessment on

marine litter ingested by fish in the Adriatic and NE Ionian Sea macro-region (Mediterranean). Marine Pollution Bulletin 133 (2018), 841-851.

24. Peraš, I., Divanović, M., Pešić, A., Joksimović, A., Marković, O., Đurović, M and Mandić M. (2017). Composition and abundance of beach litter in Montenegro (South Adriatic Sea). Stud. Mar. 2017, 30 (1): 17-27

25. Zorica, B., Čikeš Keč, V., Pešić, A., Gvozdenović, S., Kolitari, J., & Mandić, M. (2018). Spatiotemporal distribution of anchovy early life stages in the eastern part of the Adriatic Sea in relation to some oceanographic features. Journal of the Marine Biological Association of the United Kingdom, 1-7. doi:10.1017/S0025315418001145

26. Azzurro, E., Sbragaglia, V., Cerri, J., Bariche, M., Bolognini, L., Ben Souissi, J., Busoni, G., Coco, S., Chryssanthi, A., Fanelli, E., Ghanem, R., Garrabou, J., Gianni, F., Grati, F., Kolitari, J., Letterio, G., Lipej, L., Mazzoldi, C., Milone, N., Pannacciulli, F., Pešić, A., Samuel-Rhoads, Y., Saponari, L., Tomanic, J., Topçu, N. E., Vargiu, G., Moschella, P. (2019). Climate change, biological invasions, and the shifting distribution of Mediterranean fishes: A large-scale survey based on local ecological knowledge. Global change biology, Vol. 25, Issue 8, 2779-2792.

27. Četković, I., Pešić, A., Joksimović, A., Tomanić, J., Ralević, S. (2019). Morphometric measures of newborn blue shark (*Prionace glauca*) and characteristics of its potential parturition areas in coastal waters of Montenegro (Southeastern Adriatic). ACTAADRIAT., 60(1): 61 - 68, 2019

28. Bitetto I., Romagnoni G., Adamidou A., Certain G., Di Lorenzo M., Donnaloia M., Lembo G., Maiorano P., Milisenda G., Musumeci C., Ordines F., Pesci P., Peristeraki P., Pesic A., Sartor P., Spedicato M.T. 2019. Modelling spatio-temporal patterns of fish community size structure across the northern Mediterranean Sea: an analysis combining MEDITS survey data with environmental and anthropogenic drivers. Sci. Mar. 83S1: 141-151. <https://doi.org/10.3989/scimar.05015.06A>

29. Gerovasileiou, V., Akyol, O., Al-Hosne, D. Z., Rasheed, R. A., Ataç, E., Bello, G., Četković, I., Corsini-Foka, M., Crocetta, F., Denitto, F., Guidetti, P., Gül, B., Insacco, G., Jimenez, C., Licchelli, C., Lipej, L., Lombardo, A., Mancini, E., Marletta, G., Michailidis, N., Pešić, A., Poursanidis, D., Refes, W., Sahraoui, H., Thasitis, I., Tiralongo, F., Tosunoğlu, Z., Trkov, D., Vazzana, A. and Zava, B (2020). New records of rare species in the Mediterranean Sea (May 2020). *Medit. Mar. Sci.*, 21/1, 2020, 379-398. DOI: <http://dx.doi.org/22148>

30. Zorica, B., Čikeš-Keč, V., Vrgoč, N., Isailović, I., Piccinetti, C., Mandić, M., Marčeta, B., Pešić, A. (2020). A review of reproduction biology and spawning/ nursery grounds of the most important Adriatic commercial fish species in the last two decades. Acta Adriatica. Vol 61(1): 89-100.

31. Mandić M, Leonori I, De Felice A, Gvozdenović S, Pešić A (2021). A new look on the morphometric characteristics of Congridae leptocephali from the southern Adriatic Sea. Journal of the Marine Biological Association of the United Kingdom 1–5. <https://doi.org/10.1017/S0025315421000229>

32. Marković O., Pešić A., Petović S., Ikica Z., Đurović M. (2021) Occurrence and Distribution of Crustacean Decapoda Species in Montenegrin Territorial Waters with Special Attention to the Most Significant Species. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978_2021_753

33. Pešić A., Ikica Z., Đurović M., Marković O., Joksimović A. (2021) Marine Fisheries in Montenegro: History, Tradition, and Current State. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978_2020_701

34. Ikica Z., Marković O., Pešić A., Đorđević N., Tomanić J. (2021) Distribution of Certain Commercially Important Species in Small-Scale Fisheries Along the Montenegrin Coast. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978_2020_722

35. Ikica Z., Isajlović I., Pešić A., Četković I., Vrgoč N. (2021) "HVAR" Expedition (1948–1949) in South-Eastern Adriatic (Croatia, Montenegro, Albania). In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978_2020_721

36. Pešić A., Ikica Z., Đurović M., Tomanić J., Ralević S. (2021) Rare and Endangered Fish Species in the Adriatic Sea. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978_2020_723

37. Pešić A., Marković O., Joksimović A., Četković I., Jevremović A. (2020) Invasive Marine Species in Montenegro Sea Waters. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978_2020_700

38. Radović, I., Stevanović, V., Mandić, S., Regner, S., Joksimović, A., Mandić, M., Pešić, A., Radović, D., Đurović, M. 2021) Biological Resources of South Adriatic Aquatorium and Coastal Zone of Montenegro: Human Impact and Possibilities for Sustainable Exploitation. In: Joksimović A., Đurović M., Zonn I.S., Kostianoy A.G., Semenov A.V. (eds) The Montenegrin Adriatic Coast. The Handbook of Environmental Chemistry, vol 109. Springer, Cham. https://doi.org/10.1007/978_2021_756

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64. Mandić, M., Joksimović, A., Gvozdenović, S., Đurović, M., Pešić, A. (2021). Importance and role of ichthyoplankton investigation. Case study of Montenegro, Adriatic Sea. International Conference on Research and Assessment for Sustainable use of Black Sea Shellfish Resources "WHITECLAM", 18-19 October 2021, Varna, Bulgaria, pp. 17-18. (Editors: Elitsa Petrova-Pavlova, Veselina Mihneva and Valeri Penchev).

65. Kalač, A., Bigović, M., Pešić, A., Mrdak, D. and Milošević, D. (2022). Microchemistry fingerprint of three clupeid fish species from South Adriatic Sea (Montenegro). 2nd Southeast European Ichthyological Conference (SEEIC), 12 – 15 October 2022, Supetar (island of Brač) Croatia. Book of abstracts, pp 31. ISBN 978-953-7914-10-3

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71. Pešić, A., Gagić, R., & Nikolić, D. (2024). Transforming waste into resource: A potential of *Posidonia oceanica* waste valorization for biocomposites. International Conference Adriatic Biodiversity Protection - AdriBioPro2024, 01-04 October 2024, Kotor, Montenegro, Book of Abstracts, p. 102.

72. Alorić, I., Pešić, A., Četković, I., Joksimović, A., & Ikica, Z. (2024). *Dentex maroccanus* in the southeastern Adriatic Sea? International Conference Adriatic Biodiversity Protection - AdriBioPro2024, 01-04 October 2024, Kotor, Montenegro, Book of Abstracts, p. 59.

73. Četković, I., Pešić, A., Joksimović, A., Ikica, Z., & Alorić, I. (2024). Collecting data on elasmobranchs in a developing country: Achieved goals and experiences of Montenegro. International Conference Adriatic Biodiversity Protection - AdriBioPro2024, 01-04 October 2024, Kotor, Montenegro, Book of Abstracts, p. 109.

Conference with national importance:

1. Joksimović, A., Kasalica, O., Đurović, M., Pešić, A. & Mandić, M. 2006. The young fish of economical important species in the Montenegrin coast-Importance and protection. Conference «Water, Water supply, Sanitary technology». 8-11 May, Budva, 2006. Conference proceedings: 117-122.
2. Mandić, M., Pešić, A. & Đurović, M. 2007. Application of DEP Method for estimating biomass of pelagic resources. Second Conference «Water, Water supply, Sanitary technology». 25-27 April, Budva, 2007. Conference proceedings

PARTICIPATE IN THE PROJECTS

- Researches of ichthyoplankton and juvenile stages of sardine, *Sardina pilchardus*, and anchovy, *Engraulis encrasicolus*, in Bokakotorska Bay. National project, Ministry of Science, Montenegro
- FAO AdriaMed Project – Scientific Cooperation to support responsible fisheries in the Adriatic Sea
- SOLEMON Project – Stock Assessment of *Solea solea* in the northern and central Adriatic Sea and evaluation of the impact of the different fishing activities
- HERD SEAMED: Strengthening Education, Applied Research, and Marine development in West-Balkan
- MAREA SEAMED Improved knowledge of the main socio-economic aspects related to the most important fisheries in the Adriatic Sea
- IPA 2013 Derelict Fishing Gear Management System in the Adriatic Region
- IPA 2009 - Sustainable development of marine fisheries in Montenegro
- ITAC – Innovation Technology for Adriatic Competitiveness
- Comparison of the main anchovy stock population features between two areas (Greece: Aegean Sea) and (Montenegro: Adriatic), Joint Research and Technology Programmes, Montenegro-Greece 2006-2008
- Biological resources edible and inedible in trawl fishery in Montenegrin waters. National project, Ministry of Science, Montenegro
- Comparison of the state of resources of a small coastal fishing on the east coast of the Adriatic, Joint Research and Technology Programmes, Montenegro-Croatia 2013-2014
- BIO-ICT (2014-2017)– Centre of Excellence of Montenegro
- IPA Adriatic 4 PILLARS (2016)- For Promoting an Innovative multi-Level Governance System of EUSAIR
- IPA - Experimental farming of great Mediterranean scallop (*Pecten jacobaeus*) in the Boka Kotorska Bay. (2016-2018)
- Princ Albert Foundation - The study, protection and possible breeding of pen shell (*Pinna nobilis*) in the Boka Kotorska Bay, 2016-2019
- Enhancing the control and management of fisheries - Project: Europe Aid/137649/DH/SER/ME
- Interreg IPA CBC Italy, Albania, Montenegro 2018-2021 BLUE LAND – Project coordinator
- Interreg IPA CBC Italy, Albania, Montenegro 2018-2021 WELCOME
- Interreg Adrion 2018-2020 ARIEL
- Interreg IPA CBC Italy, Albania, Montenegro 2019-2022 – FOOD4HEALTH
- Bilateral cooperation with Republic of Serbia: Fishes as the bioindicators of ecological state of Adriatic Sea – ECOFISH, 2019-2021 - Project coordinator
- Ministarstvo nauke CG - Skrining HEMijskih indikatora i molekularnih biomarkera u morskim školjkama i ribama sa primjenom u MEDicini i farmakologiji, 2019-2021
- COST “ADHEsion GPCR Network: Research and Implementation Set the path for future Exploration” (Adher N Rise) CA18240, 2019-2023

- Erasmus + "Educational Capacity Strengthening for Risk Management of Non-native Aquatic Species in Western Balkans (Albania, Bosnia and Herzegovina and Montenegro)/RiskMan", 2020-2022 – Project coordinator
- Erasmus + "Development of Regional Joint Master Program in Maritime Environmental Protection and Management" MEP&M, 2021-2024.

SCHOLARSHIP GRANT

2004 – 2007 Ministry of Science, Republic of Serbia, Human Resources Development in Science, Scholarship for postgraduate students ""

Curriculum vitae

1. Name and Surname

Dragana Drakulović

2. Education (enter in reverse chronological order, year of enrollment and completion of each degree)

a. Degree, Faculty/Department, Field, Year, Title of doctoral dissertation

12/10/2012 PhD thesis: „Importance of phytoplankton as indicator of eutrophication in aquatorium of the Boka Kotorska Bay“. University of Belgrade, Faculty of Biology, Belgrade (Serbia)

2005 Professor of biology

Graduated at Faculty of Sciences, University of Novi Sad, Novi Sad (Serbia)

3. Work Experience (reverse chronological order)

01/05/2008–Present –Higher Research Associate, Laboratory for plankton and sea water quality. University of Montenegro, Institute of Marine Biology, Kotor (Montenegro)

4. Professional, Scientific, and Academic Experience and Achievements

a. Projects involved in (project name, position in the project, project value, number of collaborators, and results)

1. Interreg IPA ADRIION -Pollution Reduction and Early-warning for Vulnerable Ecosystems in Adriatic-Ionian Territories – PREVENT (2024-2027). Coordinator of the project for Montenegro.

2.Strengthening Ocean Health for Sustainable Development: A Global Approach Using Nuclear and Isotopic Techniques. (2024-ongoing). Participant on the project.

3. Interreg Mediterranean-Supporting Adaptation to Mediterranean Sea Level Rise – MedSEaRise (2023-2026). Participant on the project.

4. COST “Tomorrow’s ‘wheat of the sea’: Ulva, a model for an innovative mariculture” CA20106 (2021-2025). Coordinator of the project for Montenegro.

5. ADRIINET plus – Adriatic Network for Marine Ecosystem – Project of capitalisation /No. 550/ (2023). Participant on the project.

6. EPTISA SOUTHEAST EUROPE d.o.o. (2023-2024) Support to Implementation and Monitoring of Water Management, Montenegro. Participant on the project.

7. ERASMUS+ CBHE: “Development of Regional Joint Master Program in Maritime Environmental Protection and Management – MEP&M“, Grant

Agreement 619239-EPP-1-2019-1-ME-EPPKA2-CBHE-JP (2021-2024) - Participant on the project.

8. EPTISA SOUTHEAST EUROPE d.o.o. (2020-2022) Support to Implementation and Monitoring of Water Management, Montenegro. Participant on the project.

9. GEF Adriatic, 2019 Capacity building for assessment of coralligenous communities in Montenegro, relevant for GES. Participant on the project.

10. Bilateral Project Montenegro - Slovenia (2021-2022) Sezonska dinamika bioakumulacije i biodostupnosti zagađujućih supstanci u dagnjama *Mytilus galloprovincialis* sa istočne obale Jadranskog mora. Participant on the project.

11. Bilateralni projekat Crna Gora- Slovenija (2020-2023) „Extraction and analysis of pigments and chitin from biomass of northern and southern Adriatic Sea”. Coordinator of the project for Montenegro.

12. Food4Health- IPA Interreg CBC ITA-ALB-MNE- Sustainable and innovative Agro food and fisheries value chain for SME's cross border market (2019-2023). Participant on the project.

13. COST “European transdisciplinary networking platform for marine biotechnology” (Ocean4Biotech) CA18238 (2019-2023). Coordinator of the project for Montenegro.

14. Interreg Mediterranean – Sharing and enhancing capabilities to address environmental threats in Mediterranean Sea- (2019-2022) SHAREMED /No.6184/ Participant on the project.

15. Interreg Mediterranean – Promoting multilevel governance for tuning up biodiversity protection in marine areas - "TUNE UP"/No.5342I/ (2019-2022). Participant on the project.

16. Interreg-IPA CBC Italy-Albania-Montenegro –Adriatic Network for Marine Ecosystem (2018- 2021) “ADRINET”/No.244/- Participant on the project.

17. Marine and freshwater microalgae as an alternative source of protein in animal feed (2017-2018). Bilateral project between Montenegro and Serbia. Coordinator of the project for Montenegro.

18. Experimental farming of great Mediterranean scallop (*Pecten jacobaeus*)- (2016-2017). IPA project Transfer of knowledge between sectors of higher education, research and industry. Participant on the project.

19. BIO-ICT Centre of Excellence -2014-2017. Participant on the project.

20. IPA STRATEGIC – “Ballast water management system for Adriatic Sea protection” - BALMAS (2013-2016) –Coordinator of the project for Montenegro.

21. Joint Actions for Sea Pollution Prevention (JASPPer)- (2013-2015). IPA programme of cross-border cooperation between Montenegro and Croatia. Participant on the project.

22. Non-native species in the coastal area of the southern Adriatic Sea (2013-2014). Bilateral project between Montenegro and Croatia. Participant on the project.

23. Comparative study of phytoplankton dynamics of Boka Kotorska Bay and coastal waters of the southern Adriatic Sea (2011-2012). Bilateral project between Montenegro and Croatia. Participant on the project.

24. Environmental Monitoring Programme for Montenegro- Program monitoring of the status of the ecosystem of the coastal sea of Montenegro, within the MED POL – The Programme for the Assessment and Control of

Pollution in the Mediterranean Region (UNEP/MAP). (2008-2015) <http://www.epa.org.me/>. Participant on the project.

25. ADRICOSM project, (2006-2009) - Adricosm Integrated River Basin and Coastal Zone Management System: Montenegro Coastal Area and Bojana river Catchment. Participant on the project.

26. Project- »Marine science of coastal management in Adriatic region, Western Balkan« (2006-2010) -Norwegian cooperation program on Research and Higher Education with the Countries on the Western Balkans, regarding Marine Science and Coastal Management. Participant on the project.

b. All peer-reviewed publications and the most significant publication in career

1. Dermastia, T.T., France, J., Arapov, J., Francesca Neri, F., Accoroni, S., Totti, C., Federica Cerino, F., Ferrante, M.I., Aubry, F. B., Finotto, S., Godrijan, J., Drakulović, D., Mozetič, P. (2025). Comprehensive insights into Pseudo-nitzschia research in the Adriatic Sea: Diverse perspectives and emerging discoveries. *Estuarine, Coastal and Shelf Science*. Volume 319, 31 July 2025, 109283.

2. Drakulović, D., Huter, A., Pestorić, B., Jokanović, S. (2024) First record of species *Ostreopsis cf. ovata* in water column in the Montenegrin coast of Adriatic Sea (Boka Kotorska Bay). *Polish Journal of Environmental Studies*. eISSN: 2083-5906; ISSN: 1230-1485, Article in press. DOI 10.15244/pjoes/188029.

3. Drakulović, D., Huter, A., Pestorić, B., Marković, O., Šuković, D. (2024). Phytoplankton Dynamics in an Oligo-mesotrophic Environment along the Montenegrin Coast (South-East Adriatic Sea). *Turkish Journal of Fisheries and Aquatic Sciences*, 24(4), TRJFAS24835. ISSN: 1303 – 2712; E-ISSN: 2149 - 181X , <https://doi.org/10.4194/TRJFAS24835>.

4. Mandić, M., Pestorić, B., Marković, O., Đurović, M., Drakulović, D. (2019). Plankton community of trafficked ports as a baseline reference for Non Indigenous Species arrivals. Case study of the Port of Bar (South Adriatic Sea). *Mediterranean Marine Science*. 20 (4) 718-726. ISSN: 1108-393X. Print ISSN: 1791-6763 <https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/article/view/19135>.

5. Rotter, A., Barbier, M., Bertoni, F., Bones, A.M., Cancela, M.L., Carlsson, J., Carvalho, M.F., Ceglowska, M., Chirivella-Martorelli, J., Conk Dalay, M., Cueto, M., Dailianis, T., Deniz, I., Diaz-Marrero, A.R., Drakulović, D., Dubnika, A., Edwards, C., Einarsson, H., Erdogan, A., Eroldogan, O. T., Ezra, D., Fazi, S., FitzGerald, R.J., Gargan, L.M., Gaudencio, S.P., Gligora Udovič, M., Ivošević DeNardis, N., Jonsdottir, R., Katarżyte, M., Klun, K., Kotta, J., Ktari, L., Ljubešić, Z., Lukić Bilela, L., Mandalakis, M., Massa-Gallucci, A., Matijošyte, I., Mazur-Marzec, H., Mehiri, M., Laurentius Nielsen, S., Novoveska, L., Overlinge, D., Perale, G., Ramasamy, P., Rebours, C., Reinsch, T., Reyes, F., Rinkevich, B., Robbens, J., Rottinger, E., Rudovica, V., Sabotić J., Safarik, I., Talve, S., Tasdemir, D., Theodotou Schneides, X., Thomas, O.P., Torunska-Sitarz, A., Varese, G.C., Vasquez, M.I. (2021) The Essentials of Marine Biotechnology. *Frontiers in Marine Science*. Volume 8, Article 629629. ISSN 22967745. <https://www.frontiersin.org/journals/marinescience/articles/10.3389/fmars.2021.629629/full> 15.

6. Rotter, A., Bacu, A., Barbier, M., Bertoni, F., Bones, A.M., Cancela, M.L., Carlsson, J., Carvalho, M.F., Ceglowska, M., Dalay, M.C., Dailianis, T., Deniz, I.,

Drakulovic, D., Dubnika, A., Einarsson, H., Erdoğan, A., Eroldoğan, O.T., Ezra, D., Fazi, S., FitzGerald, R.J., Gargan, L.M., Gaudêncio, S.P., Ivošević DeNardis, N., Joksimovic, D., Kataržytė, M., Kotta, J., Mandalakis, M., Matijošytė, I., Mazur-Marzec, H., Massa-Gallucci, A., Mehiri, M., Nielsen, S.L., Novoveská, L., Overlingė, D., Portman, M.E., Pyrc, K., Rebours, C., Reinsch, T., Reyes, F., Rinkevich, B., Robbens, J., Rudovica, V., Sabotič, J., Safarik, I., Talve, S., Tasdemir, D., Schneider, X.T., Thomas, O.P., Toruńska-Sitarz, A., Varese, G.C. and Vasquez, M.I. (2020) A New Network for the Advancement of Marine Biotechnology in Europe and Beyond. *Frontiers in Marine Science*. 7: 278. ISSN22967745, <https://www.frontiersin.org/articles/10.3389/fmars.2020.00278/full>.

7. Kraus, R., Ninčević-Gladan Ž., Auriemma R., Bastianini M., Bolognini L., Cabrini M., Cara M., Čalić, M., Campanelli A., Cvitković, I., Despalatović, M., Dragičević, B., Drakulović, D., Dulčić, J., Flander-Putrlje, V., Grati, F., Grego, M., Grilli, F., Jaklin, M., Janeković, I., Kolitari, J., Lipej, L., Magaletti, E., Marini, M., Matić-Skoko, S., Mavrič, B., Mikuš, J., Mozetič, P., Orlando-Bonaca, M., Petović, S., Precali, R., Supić, N., Trabucco B., Travizi, A., Žuljević, A. (2019) Strategy of port baseline surveys (PBS) in the Adriatic Sea. *Marine Pollution Bulletin* 147, 47-58. Online ISSN: 1879-3363; Print ISSN: 0025-326X, <https://doi.org/10.1016/j.marpolbul.2018.08.067>.

8. Luna G.M., Manini E., Turk V., Tinta T., D'Errico G., Baldrighi E., Baljak V., Buda D., Cabrini M., Campanelli A., Cenov A., Del Negro P., Drakulović D., Fabbro C., Glad M., Grilec D., Grilli F., Jokanović J., Jozić S., Kauzlarić V., Kraus R., Marini M., Mikuš J., Miland S., Pećarević M., Perini L., Quero G. M., Šolić M., Vukić Lušić D., Zoffoli S. (2019) Status of faecal pollution in ports: A basin-wide investigation in the Adriatic Sea. *Marine Pollution Bulletin*. 147, 219-228. Online ISSN: 1879-3363; Print ISSN: 0025-326X <https://doi.org/10.1016/j.marpolbul.2018.03.050>.

9. Mozetič P., Cangini M., France, J., Bastianini, M., Bernardi Aubry, F., Bužančić, M., Cabrini, M., Cerino, F., Čalić, M., D'Adamo, R., Drakulović, D., Finotto S., Fornasaro D., Grilli F., Kraus, R., Kužat, N., Marić Pfannuchen, D., Ninčević Gladan, Ž., Pompei, M., Rotter, A., Servadei, I., Skejić, S. (2019) Phytoplankton diversity in Adriatic ports: Lessons from the port baseline survey for the management of harmful algal species. *Marine Pollution Bulletin*, 147: 117-132. Online ISSN: 1879-3363; Print ISSN: 0025-326X. <https://doi.org/10.1016/j.marpolbul.2017.12.029>.

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11. Mandić, M., Krasić, M., Massa, F., Slavnić, D., Mačić, V., Petović, S., Joksimović, D., Drakulović, D., Đurović, M., Castelli, A., Jokanović, S. (2021) The Relevance of the Implementation of AZA According to the Principles and Standards of GFCM Guidelines in the Site Selection Process for Sustainable Development of Aquaculture: Montenegro Case Study. In: Joksimović A., Đurović M., Zonn I.S., Kostianoy A.G., Semenov A.V. (eds) *The Montenegrin Adriatic Coast. -Marine Biology, The Handbook of Environmental Chemistry*, vol 109. pp 385-422, ISBN 978-3-030-77512-4. DOI 10.1007/698_2020_705.

12. Pestorić, B., Drakulović, D., Lučić, D., Đorđević, N., Joksimović, D. (2021) Zooplankton in Montenegrin Adriatic Offshore Waters. In: Joksimović A., Đurović M., Zonn I. S., Kostianoy, A. G., Semenov, A.V. (eds) The Montenegrin Adriatic Coast – Marine Biology, The Handbook of Environmental Chemistry, Springer International Publishing Switzerland 2021, vol. 109, pp 107-128, ISBN 978-3-030-77512-4. DOI 10.1007/698_2020_703.
13. Huter, A., Drakulović, D., Jokanović, S. (2021). Dynamics of Prokaryotic Community in the Montenegrin Part of the South Adriatic Sea. In: Joksimović A., Đurović M., Zonn I. S., Kostianoy, A. G., Semenov, A.V. (eds.) The Montenegrin Adriatic Coast - Marine Biology, The Handbook of Environmental Chemistry, Springer International Publishing Switzerland 2021, vol. 109, pp 53-72, ISBN 978-3-030-77512-4. DOI 10.1007/698_2021_751.
14. Drakulović, D., Pestorić, B., Huter, A. (2021) Distribution of Phytoplankton in Montenegrin Open Waters. In: Joksimović A., Đurović M., Zonn I. S., Kostianoy, A. G., Semenov, A.V. (eds) The Montenegrin Adriatic Coast - Marine Biology, The Handbook of Environmental Chemistry, Springer International Publishing Switzerland 2021, vol. 109, pp 73-106, ISBN 978-3-030-77512-4, DOI 10.1007/698_2020_726.
15. Krivokapić, S., Bosak, S., Viličić, D., Kušpilić, G., Drakulović, D., Pestorić, B. (2018) Algal pigments distribution and phytoplankton group assemblages in coastal transitional environment – Boka Kotorska Bay (South eastern Adriatic Sea). *Acta Adriatica*. 59(1), pp: 35-50. ISSN 1800-7155, ISSN 1451-5776.
16. Drakulović, D., Gvozdenović, S., Joksimović, D., Mandić, M., Pestorić, B. (2017) Toxic and Potentially Toxic Phytoplankton in The Mussel and Fish Farms in The Transitional Area of Montenegrin Coast (South-Eastern Adriatic Sea). *Turkish Journal of Fisheries and Aquatic Sciences*, 17, pp. 885-900. ISSN 1303-2712. DOI: 10.4194/1303-2712-v17_5_05.
17. Pestorić, B., Drakulović, D., Hure, M., Gangai Zvonko, B., Onofri, I., Lučić, P., Lučić, D. (2017) Zooplankton Community in the Boka Kotorska Bay. In: Joksimović A., Djurović M., Semenov A., Zonn I., Kostianoy A. (Ed) The Boka Kotorska Bay Environment, The Handbook of Environmental Chemistry, Springer International Publishing Switzerland 2016, vol.54, pp: 231-270, ISSN 1867-979 X, ISBN 978-3-319-51613-4.
18. Drakulović, D., Pestorić, B., Kraus, R., Ljubimir, S., Krivokapić, S. (2017) Phytoplankton Community and Trophic State in Boka Kotorska Bay. In: Joksimović A., Djurović M., Semenov A., Zonn I., Kostianoy A. (Ed) The Boka Kotorska Bay Environment, The Handbook of Environmental Chemistry, Springer International Publishing Switzerland 2016, vol. 54, pp: 169-202, ISSN 1867-979 X, ISBN 978-3-319-51613-4.

c. Mentorship (including undergraduate, graduate, and doctoral students) (if applicable)

Mentor for the topic Ballast water pollution from shipping activities in the frame ERASMUS+ CBHE: "Development of Regional Joint Master Program in Maritime Environmental Protection and Management – MEP&M"

d. Membership in scientific and professional associations (if applicable)

1. Member of the negotiating Working Group for the preparation and conduct of negotiations on the accession of Montenegro to the European Union for the area of the European Union acquis relating to the negotiating chapter 25 - Science and Research.
2. Member of the working group for the preparation of the Draft Law on Protection against Pollution from Maritime Facilities.
3. Member of the working group for Support to the Implementation and Monitoring of Water Management in Montenegro.

e. Entrepreneurial successes, innovative activities, patents granted (if applicable)

f. Professional development and stays at international institutions (if applicable)

1. ME-INT7022-2406068 Workshop on Harmonisation and Standardisation for Marine Algal and Toxin Surveillance Sampling, Toxin Analysis, and Quality Control Standards. 10-14 March, Varadero, Cuba
2. Algae course, 12th to 13th November 2019, Fraunhofer IGB Stuttgart.
3. Training workshop on International Phytoplankton Intercomparison. 28th November -1st December 2016. Denmark.
4. 18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 26th-30th September 2015, Crete, Greece.
5. Training on ship BIOS II in frame of PERSEUS project.
6. Theoretical and practical training on Ballast Water Sampling and Analysis for Compliance Monitoring and Enforcement of the BWM Convention and for Scientific Purposes. 17th-18 th September 2014, Piran, Slovenia.
7. Workshop Dinoflagellate cyst purification and identification. 11th-12th November 2014, ISMAR, Venice, Italy.
8. Workshop related on biotoxin determination in mussel tissue, Marine Institute, Ireland.
9. Training course on EN 15204: 2006 Water quality- Guidance standard on the enumeration of phytoplankton using inverted microscopy (Utermoehl technique). Delegation of the European Commission to Montenegro, Montenegro, March 2012.
10. Training course on AOAC 959.08 Determination of PSP toxins by mouse bioassay. Delegation of the European Commission to Montenegro, Montenegro, March 2012.
11. Training course on EU Harmonised Standard Operating Procedure for the determination of domoic acid in shellfish and finish by RP-HPLC using UV detection. Vers 1, June 2008. Delegation of the European Commission to Montenegro, Montenegro, March 2012.

12. Training course on Marine biotoxins: legislation, management and analytical methods- Classification and designation of shellfish waters. Delegation of the European Commission to Montenegro, Montenegro, March 2012.

12. Training programme on regional ocean governance for Mediterranean and Eastern countries, 9th November -11th December 2009, International Ocean Institute, IOI, Malta

13. Workshop related to phytoplankton determination, Istituto Nazionale di Oceanografia e Geofisica Sperimentale (OGS) Trieste.

14. Ecological Modelling of aquatic ecosystems and phytoplankton growth, 22nd -27th March 2010, Centro Ecotekne, Lecce, Italy;

15. Regional Training Course on Port Biological Baseline Survey (PBBS), 21st-24th October 2008, Istanbul (Gebze), Turkey;

g. Other professional achievements (if applicable)

Head of Laboratory for plankton and sea water quality which had accredited methods for microbiological and biological sampling and analysis.

PERSONAL INFORMATION

Aleksandra (Redžić) Huter

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 redzica@ucg.ac.me aleksrh@gmail.com

Sex female | Date of birth 08.03.1980. | Nationality Montenegrin

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

Research associate in laboratory for plankton and sea water quality

WORK EXPERIENCE

February 2019 – present
September 2016- February 2019
September 2009- September 2016

Research associate in Laboratory for plankton and sea water quality

Research assistant in Laboratory for plankton and sea water quality

PhD student researcher

University of Split, Croatia, Postgraduate University Study: "Applied Marine Sciences"

- Scientific research in the area of marine microbiology; The role of microorganisms in planktonic food webs; Sanitary microbiology.

October 2007-September 2009

Associate in research in Laboratory for plankton and sea water quality

EDUCATION AND TRAINING

2009-2016

PhD "Distribution and activity of prokaryotic microorganisms in the Montenegrin part of the Southern Adriatic"

Postgraduate University Study: "Applied Marine Sciences",
University of Split, Croatia

Courses

1. **University of Malta, International Ocean Institute**, "Regional Ocean Governance for Mediterranean and Eastern European Countries", 9 Nov.-11 Dec 2009.
2. **Agenzia Regionale per la Protezione dell' Ambiente del Friuli Venezia Giulia**, Gorizia, 13. – 17. Dec 2010.
3. **Mediterranean Agronomic Institute Zaragoza**, "Bivalve shellfish safety management" CIHAEM-International Centre for Advances Agronomic Studies, FAO and University of Santiago de Compostela, Santiago de Compostela (Spain), 27 Sept.-1st Oct. 2012.
4. **Working Group on Sustainability on Aquaculture (WGSa). FAO AdriaMed Project**, "Identification of indicators for sustainable aquaculture in Montenegro", 9-12 June 2013., (Indicators and AZA identification) Kotor- Montenegro.

PERSONAL SKILLS

Mother tongue(s) Montenegrin

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills An open, responsible and reliable person. Always ready to share knowledge and ideas with colleagues. Excellent at networking and a good ability to adapt to multicultural environments

Organisational / managerial skills Committed and professional staff member, with high degree of responsibility, capacity to work under pressure and to respond quickly to new requests, following rules and procedures, willing to accept new challenges.

Job-related skills The knowledge of different methods and techniques in marine microbiology
 Experience in work with different instruments in microbiological laboratory

Driving licence Replace with driving licence category/-ies.
 Category B

ADDITIONAL INFORMATION

Most significant publications

Publications in international symposia and journals:

1. **Aleksandra Redžić**, Dragana Drakulović, Danijela Joksimović, Nenad Vuksanović, Sreten Mandić (2011) Bioecological quality of coastal waters of Boka Kotorska bay for breeding edible mussels. 40th Annual Conference of the Serbian Water Pollution Control Society »Water 2011« Jun 7-9,2011. Zlatibor. p.: 287-297,
2. Ivan Milošević, Yuri B. Shmukler, Milorad Gojković, Sanja Vlaisavljević, **Aleksandra Redžić**, Zoran Gačić, Nina Milošević, Ljubisav Rakić (2011) Effect of sea water pollution of the Boka Kotorska bay of the embryonic development of spotted sea urchin *Sphaerechinus granularis* 40th Annual Conference of the Serbian Water Pollution Control Society »Water 2011« Jun 7-9,2011. Zlatibor. p.: 297-304.
3. Sandra Marković, **Aleksandra Redžić**, Zoran Kljajić (2011) Evaluation of microbiological quality at the sewage sites in Kotor Bay (abstract)
4. Sandra Marković, **Aleksandra Redžić**, Stojimir Kolarević, Branka Vuković-Gačić, Zoran Kljajić (2011) Microbiological characterization of the sediment in Kotor bay (Montenegro) (abstract)
5. Mandić Milica, **Huter Aleksandra**, Joksimović Danijela, Drakulović Dragana, Mandić Sreten (2012) Water quality analysis on mussel farms (*Mytilus galloprovincialis*) in the Boka Kotorska bay, Montenegro. *Agriculture & Forestry*. Vol 54. (08): 75-94.
6. **Aleksandra Huter** (2012) The ecological status of mussel farms (*Mytilus galloprovincialis*, Lamarck, 1819) in Kotor-Risan bay (Adriatic Sea, Montenegro) during summer months of 2010 and 2011. 41th Annual Conference of the Serbian Water Pollution Control Society »Water 2012« 5-7 Jun Divčibare, p.: 267-274.
7. Mandić, M., Drakulović, D., **Huter, A.**, Petović, S. & Mandić, S. (2013). Technology of mussel (*Mytilus galloprovincialis*) and oyster (*Ostrea edulis*) farming in Boka Kotorska Bay. VI International Conference »Water & Fishery«. June, 12-14, 2013. Zemun-Belgrade. Conference proceedings: 388-392.
8. Drakulović, D., Krivokapić, S., Mandić, M. & **A. Redžić** (2013). Phytoplankton community in Boka Kotorska Bay (South-Eastern Adriatic Sea). 40th CIESM Congress 28 October- 1 November, 2013. Marseille, France. p: 428.
9. **A.Huter**, D. Šantić & M.Mandić (2013). Distribution of non-pigmented bacteria and Prochlorococcus in the coastal area of Boka Kotorska Bay. *Studia Marina* 26: 47-64.
10. Mandić M., Drakulović D., Petović S., **Huter A.** & S. Mandić (2014) Development perspectives of fish farming in Montenegro *Agriculture & Forestry*. Vol. 60. Issue 2: 233-242, Podgorica
11. Drakulović Dragana, Pestorić Branka, Joksimović Danijela, **Aleksandra Redžić**, Petović Slavica & Krivokapić Slađana (2014). Dinoflagellate assemblages in the Boka Kotorska Bay. *Studia Marina* 27: 65-84.
12. **Aleksandra Redžić**, Nada Krstulović, Mladen Šolić, Danijela Šantić & Marin Ordulj (2015) Dynamics of prokaryotic Community in Boka Kotorska Bay (South – eastern Adriatic Sea). *Acta Adriatica* 56: 157-170.
13. S. Jokanović, **A Huter** & S. Orlić (2016) **Bacterial Diversity of the Boka Kotorska Bay**. - The Boka Kotorska Bay Environment, Springer 151-168.
14. **A. Huter**, S. Jokanović, M. Mandić & D. Šantić (2018) Importance of bottom up controls in the Montenegrin part of the Southern Adriatic Sea. 13th CROATIAN BIOLOGICAL CONGRESS with International Participation 19th – 23rd September 2018 Poreč, Croatia
15. A.Huter, D.Drakulović & S.Jokanović (2021) Dynamics of prokaryotic community in the Montenegrin part of the South Adriatic Sea. The Handbook of Environmental Chemistry, Springer 53-72.
16. D.Drakulović, B.Pestorić & **A. Huter** (2021) Distribution of phytoplankton in Montenegrin open waters. The Handbook of Environmental Chemistry, Springer 73-105.
17. Marković O., Đurović M., Ikica Z., Huter A. (2023) Some biological aspects of Mediterranean mud shrimp, *Upogebia pusilla* (Petagna, 1792) in the Boka Kotorska Bay, Southeastern Adriatic Sea. Arch Biol Sci. 2023;75(2):125-131. <https://doi.org/10.2298/ABS230213010M>

Projects

International projects:

1. **ADRICOSM project**, 2006-2009 - Adricosm Integrated River Basin and Coastal Zone Managment System: Montenegro Coastal Area and Bojana river Catchment).- **project associate**
2. **MEDPOL project**, 2009- 2010 - The marine pollution assessment and control component of Mediterranean Action Plan, **project associate**
3. Ballast water management system for Adriatic Sea Protection (**BALMAS**) –IPA **project associate**
4. **IPA CBC ADRINET**, 2018-2020–Adriatic Network for Marine Ecosystem- **project coordinator**
5. **INTERREG MED TUNE UP**, 2019-2022- Promoting multilevel governance for tuning up biodiversity protection in marine areas- **project coordinator**

ANNEXES

PERSONAL INFORMATION

Sandra Jokanović (Marković)



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 0038232334570  0038268707404
 sandraj@ucg.ac.me
markovic.sandra2@gmail.com

Gender: Female | Date of birth 02/11/1982 | Nationality Montenegrin

WORK EXPERIENCE

01/09/2015 -	Research assistant
Organization	University of Montenegro, Institute of Marine Biology, Laboratory for plankton and sea water quality
Research area and main activities	Scientific research in the field of marine microbiology with particular emphasis on the sediment. Work on projects aimed at defining the state of quality of the Montenegrin part of the Adriatic Sea, its protection and development. Working on accredited method in seawater.
2010 - 2015	Assistant on project
Organization	University of Montenegro, Institute of Marine Biology, Kotor, Montenegro
01/2009 - 01/2010	Intern
Organization	University of Montenegro, Institute of Marine Biology, Kotor, Montenegro

EDUCATION AND TRAINING

2021	Doctor in biological sciences (PhD)
Institution	University of Montenegro, Faculty of Science and mathematics, study program: Biology
	(Title of PhD thesis: Phylogenetic analysis of bacterial communities in the sediments of the Montenegrin coast and assessment of the impact of pollutants on their distribution and structure)
2014	Master in Science (Msc)
Institution	University of Montenegro, Faculty of Science and mathematics, study program: Ecology
2012	Specialist in Science (Spec.Sci)
Institution	University of Montenegro, Faculty of Science and mathematics, study program: Biology
2007	Graduate biologist
Institution	University of Montenegro, Faculty of Science and mathematics, study program: Biology

PERSONAL SKILLS

English language:	Institute for foreign language (certificate B2 upper level)
Driving licence	Category B

ADDITIONAL INFORMATION

Courses

- ISO 14001:2015 in the Context of Global Environmental Initiatives. Institute for Standardization of Montenegro. December 14, 2023
- Measurement Uncertainty as a Requirement of the ISO/IEC 17025:2017 Standard. Institute for Standardization of Serbia. February 10 and 11, 2022
- Molecular Biology summer school on single cell dissociation and analysis. Ministry of Science, EMBL 9-11 September 2019, Kotor
- Oceanographic, scientific cruising, BIOS 2 within project ESAW (Evolution of the Southern Adriatic waters) 09.12.2015 – 16.12.2015
- MED POL Training course on the analysis of trace elements in environmental samples. IAEA (International Atomic Energy Agency) 26.10 – 06.11. 2015 Monaco
- Theoretical and practical training on ballast water sampling and analysis for compliance monitoring and enforcement of the BWM convention and for scientific purpose. Institute of Marine Biology Station, Piran, Slovenia. 17.09.2014 – 19.09.2014
- Training programme on regional ocean governance for Mediterranean and Eastern European Countries organized by International Ocean Institute (IOI), Univeristy of Malta. 09.11.2013 – 14.12.2013 Malta
- Working on CARD-FISH analysis in the filed of marine microbiology, epifluorescence microscopy. Center for Marine research, Rovinj, Croatia 15.10.2012 – 15.11.2012
- Training of MED POL eutrophication monitoring by CNR ISMAR Ancona, Italy, Institute of Marine Biology, Kotor, Montenegro 19-21.05.2009

Projects

2024-2027	Pollution Reduction and Early warning for Vulnerable Ecosystem in Adriatic Ionian Territories (PREVENT)
2024-2026 2020 -2022	Supporting Adaptation to Mediterranean Sea Level Rise MedSeaRise Promoting multilevel governance for tuning up biodiversity protection in marine areas (Tune up)
2015-2016	FILOSED – Phylogenetic analysis of the diversity of bacterial communities in sediment in the Bokakotorska Bay. Bilateral project. Croatia, Montenegro
2013 - 2016	IPA STRATEGIC – “Ballast water management system for Adriatic Sea protection”
2012 - 2015	HAZADR – Strengthening common reaction capacity to fight sea pollution of oil, toxic and hazardous substances in the Adriatic Sea (Italy, Croatia, Montenegro, Albania). IPA Adriatic CBC Programme
2012 - 2015	Complex research of the ecosystem of the coastal sea of Montenegro (KOTOR) – National project
2011 - 2012	Molecular and physiological bacterial diversity of the trophic gradients in the Adriatic Sea. Bilateral project Montenegro - Croatia
2010 - 2015	Environmental Monitoring Programme for Montenegro – Program monitoring of the status of the ecosystem of the coastal sea of Montenegro (within the MED POL project)

Publications Conference paper

- Huter, A., Drakulović, D., **Jokanović, S.** (2025). Short overview of bathing water assessment in area of Bokakotorska Bay (2019-2022). ID 25. Inspireadriatic 2025, 19-20 May. Zagreb. Croatia
- **Jokanović, S.**, Huter, A., Perošević-Bajčeta A., Drakulović, D., Kračun-Kolarević, M. 2024. Estimation of biological and chemical parameters in Kumbor area (Bokakotorska Bay). AdriBioPro Conference. 87p. 01-04. October, Kotor, Montenegro
- **Jokanović S** , Kajan K , Orlić, S, Ivanić, M , Perović, S; Mačić, V, Huter A. 2022. Assessment of the bacterial communities in sediments and impact of pollutants on their distribution and structure. AdriBioPro Conference. 13-15 June Kotor, Montenegro
- Drakulovic, D., Huter A., **Jokanovic S.** 2022. Diversity of phytoplankton community in marina Porto Novi, Montenegrin coast. AdriBioPro Conference. 13-15 June Kotor, Montenegro.
- **Jokanović, S.**, Kajan, K., Huter, A., Perović, S., Mačić, V., Orlić, S. 2019. Potential impact of contamination on microbial communities of sediments of Montenegrin coast. Symposium of aquatic microbiology. (SAME). Potsdam. Njemacka. 1-6 Septembar
- Martinović R., Kolarević S., Kračun Kolarević M., Kostić J., **Jokanović S.**, Gačić Z., Joksimoć D., Đurović M. , Vuković-Gačić B. (2016). Dynamic of tributyltin influence on DNA damage in haemocytes and cardiac activity of the Mediterranean mussel *Mytilus galloprovincialis*. Abstract book: Central and Eastern European Conference on Health and the environment (CEECH), 10-14.04.2016, Prague, Czech Republic. p91
- Martinović R., **Jokanović S.**, Mitrić M., Castelli A., Joksimoć D., Gačić Z. (2016) Analysis on tributyltin (TBT) influence on heart activity of the Mediterranean mussel. The 45th Annual Conference of the Serbian Water pollution Control Society „Water 2016“. Proceeding book: 431-439 15-17 June, Zlatibor, Serbia
- Castelli A., Mitrić M., **Jokanović, S.**, Martinović, M., Joksimoć, D. (2016). Assessment of the quality of surface sediment along the Montenegrin coast based on the content of heavy metal. The 45th Conference of the Serbian Water pollution Control Society „Water 2016“. Proceeding book: 413 – 419, 15-17 June, Zlatibor, Serbia
- Mitrić, M., Castelli A., **Jokanović S.**, Martinović, R., Joksimoć, D. (2016). Assessment of general condition of the specimens *Mytilus galloprovincialis* in Boka Kotorska Bay based on enzymatic activity of acetylcholinesterase. The 45th Conference of the Serbian Water pollution Control Society Water 2016, Proceeding book: 439 – 445, 15 – 17 June, Zlatibor, Serbia
- **Marković, S.**, Kostić, M., Paliaga, P., Kljajić, Z., Najdek-Dragić, M. (2013). Estimation of microbiological quality of sea water in Bokakotorska Bay. The 42th Annual Conference of the Serbian Water pollution Control Society “ Water 2013”, 4-6 June. Conference Proceeding book: 207 -215
- **Marković, S.**, Paliaga, P., Kljajić Z., Najdek-Dragić M., Orlić, S.(2013). Estimation of bacterial Community in the Bokakotorska Bay by CARD FISH method. Annual conference of the association for General and Applied Microbiology. VAAM 10-13. March. Bremen, Germany ISSN 0947-0867
- **Marković, S.**, Kolarević K., Kljajić, Z., Vuković–Gačić B. (2012). Influence of wastewater on seawater and sediment quality in the Bokakotorska Bay The 41st Annual Conference of the Serbian Water Pollution, Control Society. Water 2012. Proceeding book: 247 – 254. 5-7 june. Divčibare, Serbia
- Kolarević, S., Kračun, M., Mitrić, M., **Marković, S.**, Sunjong K., Knežević –Vukčević J., Gačić Z., Vuković – Gačić B., Kljajić Z. (2012). Assessment of water quality of Bokakotorska bay based on the level of DNA damage. The 41st Annual Conference of the Serbian Water Pollution, Control Society. Water 2012. Proceeding book: 261 – 267. 5-7 june. Divčibare, Serbia
- **Marković, S.**, Redžić A., Kljajić, Z. (2011). Evaluation of microbiological quality at the sewage sites in Kotor Bay. 7th Balcan Congress on Microbiology 25-27 October, Belgrade-Serbia. Proceedings(electronic source), ISBN 978-86-914897-0-01
- **Marković, S.**, Redžić A., Kolarević K., Kljajić, Z., Vuković–Gačić B. (2011). Microbiological characterization of the sediment in Kotor Bay (Montenegro). 7th Balcan Congress on Microbiology 25-27 October, Belgrade-Serbia. Proceedings (electronic source). ISBN 978-86-914897-0-01
- Orlić, S., **Marković, S.**, Najdek-Dragić, M., Kljajić, Z. (2011). Bacterial diversity of the Boka Kotorska Bay. 7th Balcan Congress on Microbiology 25-27 October, Belgrade-Serbia. Proceedings (electronic source), ISBN 978-86-914897-0-01

Scientific paper

- Mandić, M., Nikolić, S., Kokić, I., **Jakanović, S.** 2024. Mass mortality of farmed mussels – a phenomenon without explanation? *Studia marina*, 37 (1):5-21.[doi:10.5281/zenodo.12749090](https://doi.org/10.5281/zenodo.12749090)
- Drakulović, D., Huter, A., Pestorić, B., **Jakanović, S.** 2024. First record of species *Ostreopsis cf. ovata* in the water column of the Montenegrin coast of the Adriatic Sea (Boka Kotorska Bay). *Polish Journal of environmental studies*. 34 (3): 2095-2101.
<https://doi.org/10.15244/pjoes/188029>
- **Jakanović, S.**, Kajan, K., Perović, S., Ivanić, M., Mačić, V., Orlić, S. (2021). Anthropogenic influence on the environmental health along Montenegro coast based on the bacterial and chemical characterization, *Environmental Pollution* 271, 116383. <https://doi.org/10.1016/j.envpol.2020.116383>
- Huter A., Drakulović D., **Jakanović S.** (2021) Dynamics of Prokaryotic Community in the Montenegrin Part of the South Adriatic Sea. In: Joksimović A., Đurović M., Zonn I.S., Kostianoy A.G., Semenov A.V. (eds) *The Montenegrin Adriatic Coast. The Handbook of Environmental Chemistry* 109. 53-71. Springer, Cham. https://doi.org/10.1007/698_2021_751
- Mandić, M., Krasić, M., Massa, F., Slavnić, D., Mačić, V., Petović, S., Joksimović, D., Drakulović, D., Đurović, M., Castelli, A., **Jakanović, S.** (2020). The Relevance of the Implementation of AZA According to the Principles and Standards of GFCM Guidelines in the Site Selection Process for Sustainable Development of Aquaculture: Montenegro Case Study. In: *The Handbook of Environmental Chemistry*. Springer, Berlin, Heidelberg. Pp 385-422. https://doi.org/10.1007/698_2020_705
- Pestorić, B., Drakulović, D., Joksimović, D., **Jakanović, S.**, 2020. Zooplankton as an indicator of trophic conditions in marina basin, Tivat bay. *Journal of agronomy, technology and engineering management*. 3(1), 368-374.
- Kolarević, S., Kračun Kolarević, M., Jovanović, J., Ilić, M., Paunović, M., Kostić Vuković, J., Martinović, M., **Jakanović, S.**, Joksimović, D., Pešić, V., Kirschner, A.K.T., Linke, R., Ixenmaier, S., Farnleitner, A., Savio, D., Reischer, G., Tomić, N., Vuković Gačić, B. (2019). Microbiological water quality of rivers in Montenegro. In: Pešić V., Paunović M., Kostianoy A. (eds) *The Rivers of Montenegro. The Handbook of Environmental Chemistry* 93 pp. 135-155. Springer International Publishing Switzerland https://doi.org/10.1007/698_2019_420 In: *The rivers of Montenegro*. p 135-155.
- Luna, G.M., Manini, E., Turk, V., Tinta, T., D'Errico, G., Baldrighi, E., Baljak, V., Buda, D., Cabrini, M., Campanelli, A., Cenov, A., Del Negro, P., Drakulović, D., Fabbro, C., Glad, M., Grilec, D., Grilli, F., **Jakanović, S.**, Jozić, S., Kauzlarić, V., Kraus, R., Marini, M., Mikuš, J., Milandri, S., Pećarević, M., Perini, L., Quero, G.M., Šolić, M., Vukić Lušić, D., Zoffoli, S., 2019. Status of faecal pollution in ports: A basin – wide investigation in the Adriatic Sea. *Marine Pollution Bulletin* 147. 219-228. <https://doi.org/10.1016/j.marpolbul.2018.03.050>
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Reviews

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- Dobrzycka-Kraheil, Aldona. 2024. Coastal bathing waters quality in Portugal and Poland:' students' perspectives of its importance. Marine Pollution Buletin (Q1). Manuscript Number: MPB-D-24-01875
- Enhanced sediment microbial diversity in mangrove forests: indicators of nutrient status in coastal ecosystems **MPB-D-24-02906R2**. Marine Pollution Bulletin (Q1). Link: <https://doi.org/10.1016/j.marpolbul.2024.117421>

LIČNI PODATCI



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Pol Muški | **Datum rođenja** 14/10/1986 | **Nacionalnost** Crnogorska

RADNO ISKUSTVO

(2017 -) **Saradnik u straživanju u Institutu za Biologiju Mora**

Institut za Biologiju Mora (www.ucg.ac.me/ibm)

- Terenski rad i prikupljanje uzoraka
- Analiza uzoraka
- Analiza podataka
- Mapiranje i georeferenciranje podataka
- Učestvovanje u pisanju naučnih radova
- Učestvovanje u realizaciji naučnih i komercijalnih projekata

Oblast: Istraživačka

(2013 - 2016) **Profesor u JU Srednja medicinska škola u Podgorici**

JU Srednja Medicinska Škola (www.http://medicinskapg.me)

- Profesor Biologije
- Profesor Genetike
- Profesor Mikrobiologije
- Razredni starješina

Oblast: Edukativna

EDUCATION

(2020 -) **PhD. Marinska Biologija**

VIII

Univerzitet Crne Gore, (www.ucg.ac.me)

Prirodno Matematički Fakultet – Podgorica, Odsjek Biologija

Raznovrsnost i rasprostranjenost morskih sunđerā na crnogorskom primorju i njihova primjena u in vitro ispitivanju antikancerogenog potencijala

(2018 - 2020) **MSc. Marinska Biologija**

VII-2

Univerzitet Crne Gore, (www.ucg.ac.me)

Prirodno Matematički Fakultet – Podgorica, Odsjek Biologija

Raznovrsnost i rasprostranjenost morskih sunđerā u Bokotorskom zalivu

(2010 - 2012) **SSc. Eksperimentalne Biologije i Biotehnologije**

VII-1

Univerzitet Crne Gore, (www.ucg.ac.me)

Prirodno Matematički Fakultet – Podgorica, Odsjek Biologija

Pregled savremenih diagnostickih metoda korišćenih za potvrđivanje genetički izazvanih mentalnih retardacija I njihova primjena u Crnoj Gori

(2005 - 2012) **BSc. Biologije**

VI

Univerzitet Crne Gore, (www.ucg.ac.me)

Prirodno Matematički Fakultet – Podgorica, Odsjek Biologija

PERSONALNE VJEŠTINE

Maternji jezik Crnogorski

Ostali jezici

Engleski

Italijanski

RAZUMIJEVANJE		GOVOR		PISANJE
Slušanje	Čitanje	Govorna interakcija	Govorna reprodukcija	
B2	B2	B2	B2	B2
A2	B1	A2	A2	B1

Nivoi: A1/A2: Bazični korisnik - B1/B2: Samostalni korisnik - C1/C2 Nativni govornik
Common European Framework of Reference for Languages

Komunikativne vještine

- Dobre komunikativne vještine stečene kroz radno iskustvo profesora u srednjoj školi i timskim radom na Institutu za Biologiju Mora

Organizacione / menadžerske vještine

- Dobre organizacione vještine stekao sam radeći kao profesor gde sam u deset razreda realizovao četiri nastavna plana i programa koji se i danas primenjuju u mom radu u Institutu za biologiju mora

Vještine vezane za posao

- SCUBA Diver P2
- Upravitel čamca do dužine 12 metara preko svega
- ROV Pilot (Deep Trekker)
- Napredni korisnik softvera QGIS

Kompjuterske vještine

- Profesionalni korisnik MS Office-a - iskustvo stečeno dosadašnjim radom na fakultetu, školi i Institutu za Biologiju Mora
- Iskusan korisnik statističkog softvera (R, PRIMER, Ekcel) - iskustvo stečeno u radu u Institutu za biologiju mora
- Profesionalni korisnik GIS (Geografski informacioni sistem) (QGIS i ArcGIS) softvera - iskustvo stečeno na Institutu za biologiju mora i putem onlajn kurseva koje organizuje FAO
- Profesionalni korisnik Adobe softvera (Photoshop, Illustrator, Premiere) za modeliranje slika i video zapisa - iskustvo stečeno na Institutu za biologiju mora
- Profesionalni korisnik Zeiss ZEN softvera, za kvalitetno fotografisanje i snimanje mikroskopskih uzoraka - iskustvo stečeno radom u Institutu za biologiju mora
- Iskusan korisnik baza podataka i softvera (Data Warehouse - DVH, Microsoft Access) - iskustvo stečeno na Institutu za biologiju mora
- Iskusan korisnik fotogrametrijskog softvera (Agisoft Metashape) - Iskustvo stečeno na kursovima organizovanim u okviru projekta VRACKS4ALL
- Osnovno poznavanje SQL programskog jezika - iskustvo stečeno radeći na Microsoft Access-u

Ostale vještine

- Mehanika malih motora sa unutrašnjim sagorijevanjem

Vozačka dozvola

- B Kategorija

KURSEVI

- Ljetnja škola za ekotoksikološka istraživanja Skadarskog jezera - NEVEN (07-13. jul 2010.)
- Ronilac SCUBA (licenca za ronjenje CMAS P1) (septembar 2017.)
- Međunarodna škola nauke o očuvanju mora – isMCS (21-30. jun 2018.)
- Skiper glisera (jun 2018.)
- BOSIET – Osnovna obuka o bezbednosti na moru i obuka za vanredne situacije (19-26. decembar 2019.)
- Kurs za obuku pilota ROV (Deep Trekker) (februar 2020.)
- ODISEA - Konzorcijum (Virtuelna škola okeanografije iz svemira) (23-27. novembar 2020.)
- Ronilac SCUBA (licenca za ronjenje CMAS P2) (avgust 2021.)
- Planiranje upravljanja u zaštićenim morskim područjima (04-06. oktobar 2021.)
- WRECKS4ALL - Podvodna arheologija, ronjenje i podvodno fotogrametrijsko skeniranje - Kurs za pripravnike (01-07. novembar 2021.)
- FAO (Organizacija za hranu i poljoprivredu) - Online kurs o korišćenju geografskog informacionog sistema u uspostavljanju dodijeljenih zona za akvakulturu. (06-07 decembar 2021)
- WRECKS4ALL - Podvodna arheologija, ronjenje i podvodno fotogrametrijsko skeniranje - Napredni kurs (26. novembar - 2. decembar 2021.)
- Izrada planova upravljanja za 3 zaštićena priobalna i morska područja (PZP) Platamuni, Katič i Stari Ulcinj (09-10.03.2022.)
- AMARE PLUS GIS kurs obuke, u organizaciji CNR i ISMAR, Italija (21-23. mart 2022.)
- Erasmus + program međunarodne mobilnosti, Egejski univerzitet, Mitilena, Lezbos, Grčka (7. novembar 2022. – 13. januar 2023.)
- ACCOBAMS obuka i samit o buci, Fuente Alamo, Španija (14. -16. mart 2023.)
- Marine Mammal Necropsy Worksho, Liege, Belgija (10.-13. Jul 2023)

PROJEKTI

- Support to Implementation and Monitoring of Water Management, Montenegro Eptisa Southeast Europe d.o.o., No. P1921005 – Saradnik na projektu (2023-2024)
- Morska NATURA 2000 - Kartiranje i prikupljanje podataka na terenu za morska staništa i vrste po partijama – Saradnik na projektu (2023)
- RAC/SPA – MoA supporting to national monitoring programmes in line with the Integrated Monitoring and Assessment Programme (IMAP), N°19-SPA/RAC - Saradnik na projektu (2022-2023)
- SHAREMED - Saradnik i koordinator projekta (2020-2023)
- UNOPS – Saradnik na projektu (2020)
- GEF MPA - Saradnik na projektu (2019-2021)
- GEF Adriatic - Saradnik na projektu (2019-2020)
- ARIEL - Saradnik na projektu (2018-2019)
- DCF / DCRF - Saradnik na projektu (2017-2018)
- Godišnji monitoring NIS-a, koraligenih zajednica i livada morske trave (2017- danas)

BIBLIOGRAFIJA

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- Četković I., Serena F., Barash A., Mrdak D., Giovos I., Ikica Z., **Đorđević N.**, Pešić A., Divanović M. & Milošević D. (2024). Combining official fisheries monitoring and citizen science data to create the first chondrichthyan checklist of Montenegro. *Acta Adriatica*, 65(1)
- Mačić V., **Đorđević N.**, Đurović M., Petović S. & Russo T. (2022). Improving knowledge of *Funiculina quadrangularis* and vulnerable marine ecosystems in the south Adriatic. *Mediterranean Marine Science*, 23(4): 805-816
- Mačić V., Petović S. & **Đorđević N.** (2022) *Axinella cannabina* facies in the MPA Stari Ulcinj (Montenegro, Adriatic Sea), Genova, Italy 19-23 September 2022, MARINE KEY HABITATS & NIS SYMPOSIA
- Petović S., **Đorđević N.**, Mavrić B. & Mačić V. (2022). Application of Autonomous Reef Monitoring Structures (ARMS) as a tool for monitoring hard-bottom habitats: case study Boka Kotorska Bay (Montenegro), 13-15. June 2022, Kotor, Montenegro, International Conference Adriatic Biodiversity Protection – AdriBioPro2022
- **Đorđević N.**, Petović S. & Mačić V. (2022). Rare and protected bivalve of *Pinna rudis* (Linnaeus, 1758) in South Adriatic (Montenegro), 13-15. June 2022, Kotor, Montenegro, International Conference Adriatic Biodiversity Protection – AdriBioPro2022
- Petović S., **Đorđević N.** & Aleksandra Huter A. (2022).The first MPA established in Montenegro (southeast Adriatic Sea): challenges and threats, 6-8, June 2022, Lamaca, Cyprus, Thalassa 2022
- Gvozdenović, S., Mačić, V., Petović, S., **Đorđević, N.** & Mandić, M. (2021). Seafloor litter in two protected areas (Sopot and Dražin vrt) in the Boka Kotorska Bay (Montenegro, southeast Adriatic Sea). *Studia Marina* 2021, 34 (2): 23-33
- **Đorđević, N.**, Mačić, V., & Petović, S (2021). New records of rare species *Spongia* (*Spongia*) *lamella* (Schulze, 1879)(Porifera) in Montenegrin coast. *Studia Marina*, 34 (1): 5-20
- Petović, S., Marković, O. & **Đorđević, N.**, (2021). Macrozoobenthic Species as a Part of the Benthic Communities Along the Montenegrin Adriatic Coast. In: *The Handbook of Environmental Chemistry*. Springer, Berlin, Heidelberg.
- Ikica, Z., Marković, O., Pešić, A., **Đorđević, N.** & Tomanić, J. (2021). Distribution of Certain Commercially Important Species in Small-Scale Fisheries Along the Montenegrin Coast. In: *The Handbook of Environmental Chemistry*. Springer, Berlin, Heidelberg.
- Pestorić, B., Drakulović, D., Lučić, D., **Đorđević, N.** & Joksimović, D. (2021). Zooplankton in Montenegrin Adriatic Offshore Waters. In: *The Handbook of Environmental Chemistry*. Springer, Berlin, Heidelberg.
- Mačić V., Petović, S. & **Đorđević, N.** (2020). Monitoring morske trave posidonija oceanica u cilju ocjene ekološkog statusa akvatorije. VODA 2020, Trebinje, 19. – 20. Novembar 2020. Conference Proceeding: 361-364
- Mačić V., Petović, S. & **Đorđević, N.** (2020). Prilog poznavanju distribucije unesenih vrsta bentosa u Crnogorskom primorju. VODA 2020, Trebinje, 19. – 20. Novembar 2020. Conference Proceeding: 365-370
- Petović, S., Mačić, V. & **Đorđević, N.** (2020). Značaj karoligenih zajednica na području boke kotorske. VODA 2020, Trebinje, 19. – 20. Novembar 2020. Conference Proceeding: 371-376
- **Đorđević, N.** & Petović, S. (2020). Diversity and distribution of Class Demospongiae (Phylum Porifera) in Boka Kotorska Bay. *Studia Marina* 33(2):5-14
- **Đorđević, N.**, Pešić, V. & Slavica Petović, S. (2020). Diversity and distribution of marine sponges in the Bokakotorska Bay. ISEM9, Virtual Conference, 4-5 November 2020. Conference Proceeding, 9
- Mačić, V., **Đorđević, N.** & Petović, S. (2019). First monitoring of *Cladocora caespitosa*(Anthozoa, Scleractinia) in the Boka Kotorska Bay (Montenegro). *Studia Marina* 32 (1): 26-32. DOI: 10.5281/zenodo.3274529
- Mačić, V., **Đorđević, N.** & Petović, S. (2019). First monitoring of *Cladocora caespitosa*(Anthozoa, Scleractinia) in the Boka Kotorska Bay (Montenegro). International Conference Adriatic Biodiversity Protection – AdriBioPro2019, 7–10 April, 2019, Kotor, Montenegro. Book of Abstracts: 25. ISBN 978–9940–9613–2–9.
- Petović, S. & **Đorđević, N.** (2019). Karakteristike bentosnih zajednica u lučkim akvatorijumima crnogorskog primorja. 48. konferencija o aktuelnim temama korišćenja i zaštite voda. VODA 2019, Zlatibor, 4. – 6. jun 2019. Conference Proceeding: 281-286
- Mačić, V., **Đorđević, N.**, Petović, S., Malovžarić, N & Bajković, M. (2018). Typology of marine litter in „Papuša “(Slipper) cave (Montenegro, South Adriatic Sea). *Studia Marina* 31 (2):38-43. DOI: 10.5281/zenodo.2412650

Europass Curriculum Vitae

Personal information

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Nationality Montenegro

Date of birth 21.10.1983.

Gender Male

Occupational field **PhD in Economics (Thesis Title: Marketing aspect of Rural Tourism Development: Case of Montenegro)**

Work experience

Dates 04/2021 – today

Occupation or position held Assistant professor (and Vice-dean for academic affairs)
Main activities and responsibilities Courses: Hotel management, Entrepreneurship in Tourism, Social impacts of tourism, Ethics and social responsibility, Rural tourism.
Name and address of employer **University of Montenegro, Faculty of Tourism and Hotel Management, Kotor**
Type of business or sector Higher education & research

Dates 09/2006 – 04/2021

Occupation or position held Teaching & Research Assistant
Main activities and responsibilities Courses: Marketing in Tourism, Consumer Behaviour in Tourism, Marketing Communications in Tourism, Global Marketing, Statistics in Tourism, Innovations in Tourism.
Name and address of employer **University of Montenegro, Faculty of Tourism and Hotel Management, Kotor**
Type of business or sector Higher education & research

Dates 09/2011 – 07/2015

Occupation or position held Coordinator of master studies
Main activities and responsibilities Coordination of master studies, department that consists of 200 students, curricula development, PR responsibilities.
Name and address of employer **University of Montenegro, Faculty of Tourism and Hotel Management, Kotor**
Type of business or sector Higher education & research

Dates 12/2018 – 04/2021

Occupation or position held Administrator (manager) of study programme Tourism
Main activities and responsibilities Study programme planning and management
Name and address of employer **University of Montenegro, Faculty of Tourism and Hotel Management, Kotor**
Type of business or sector Higher education & research

Education and training

Dates 2008-2015

Title of qualification awarded	PhD in Economics																														
Principal subjects/occupational skills covered	Economy / Marketing / Tourism; Doctoral thesis: Marketing Aspect of Rural Tourism Development: Case of Montenegro.																														
Name and type of organisation providing education and training	University of Montenegro, Faculty of Economics, Podgorica.																														
Dates	2006-2007																														
Title of qualification awarded	Master in Tourism																														
Principal subjects/occupational skills covered	Master thesis: Marketing of Contemporary Rural Tourism on the Case of Luštica Peninsula.																														
Name and type of organisation providing education and training	University of Montenegro, Faculty of Tourism and Hotel Management, Kotor																														
Dates	2002-2006																														
Title of qualification awarded	BSc in Tourism																														
Principal subjects/occupational skills covered	Tourism Management																														
Name and type of organisation providing education and training	University of Montenegro, Faculty of Tourism and Hotel Management, Kotor																														
Personal skills and competences																															
Mother tongue(s)	Montenegrin																														
Other language(s)																															
Self-assessment																															
<i>European level (*)</i>																															
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	<table><tr><th colspan="2">Understanding</th><th colspan="2">Speaking</th><th colspan="2">Writing</th></tr><tr><th>Listening</th><th>Reading</th><th>Spoken interaction</th><th>Spoken production</th><th></th><th></th></tr><tr><td>C1</td><td>C1</td><td>C1</td><td>C1</td><td>C1</td><td></td></tr><tr><td>B1</td><td>B1</td><td>B1</td><td>B1</td><td>B1</td><td></td></tr><tr><td>A2</td><td>A2</td><td>A2</td><td>A2</td><td>A2</td><td></td></tr></table>	Understanding		Speaking		Writing		Listening	Reading	Spoken interaction	Spoken production			C1	C1	C1	C1	C1		B1	B1	B1	B1	B1		A2	A2	A2	A2	A2	
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B1	B1	B1	B1	B1																											
A2	A2	A2	A2	A2																											
	(*) Common European Framework of Reference for Languages																														
Social skills and competences	Team player, competence of adapting to multicultural environment, excellent communication skills.																														
Organisational skills and competences	– President and member of Centre of young scientist and artists of Montenegrin Academy of Science and Arts (CANU - Crnogorska akademija nauka i umjetnosti). – Tour guide licence (English and German), since 04.06.2006., issued by Ministry of Tourism, Montenegro. – Member of Commission for tour guide licence exam in organisation of Montenegrin Centre for Exams (Ispitni centar Crne Gore). – Board member of Olive growers Association “Boka”.																														
Computer skills and competences	STATA, Access, Excel, Word, PowerPoint, etc.																														
Other skills and competences	Entrepreneur in sector of organic (olive oil) production and agrotourism (Moric Ltd.)																														
Driving licence	B category																														
Other	During 2018, he published and promoted his first monography “Rural Tourism in Montenegro: Marketing Aspect of Development” issued by Innovative-entrepreneurial centre TEHNOPOLIS.																														

Additional information Projects (short list):

1. Consultant, Tivat Municipality, Project „Sustourismo – Sustainable Tourism & Mobility Hand-by-Hand development, Interreg ADRION, 2020-2023.
2. Consultant, Tivat Municipality, Project „Cuchaca - Enhancing Sustainable Tourism Development through Culinary Heritage, Interreg ADRION, 2021-2024.
3. Consultant, Tivat Municipality, Project „FostINNO – Fostering tourism innovation system in Adriatic – Ionian Region, Interreg ADRION, 2018-today.
4. Consultant for Ministry of Sustainable Development and Tourism, Strategy of rural tourism development, 2018.
5. Consultant, Institute for Entrepreneurship and Economic Development's Project: „Life among Olives“, International Olive Council grant programme, 2016-today.
6. Researcher, University of Montenegro's project in HERIC programme: „Valorization of Montenegrin katuns through sustainable development of agriculture and tourism – KATUN“, 2015-2016.
7. Consultant, Montenegro Business Alliance's Project: „Enhancement of olive oil consumption in Montenegro“, 2015-2016.
8. Researcher, Bilateral scientific project of University of Montenegro with China, Croatia, and Italy, 2011-2013.
9. Researcher at University of Montenegro / Projects in programme IPA Crossborder and IPA ADRIATIC, 2011-2012.
10. Researcher/ quantitative and qualitative analyst of the project related to economics of travel agencies/tour operators in Montenegro, Client: GTZ, Germany – office in Podgorica, 2009.
11. Researcher/quantitative and qualitative analyst of the project related to camping tourism and destination management in Plav and Cetinje region in Montenegro, Client: GTZ, Germany – office in Budva, 2008.
12. Researcher/qualitative analyst of the project related to Rural Tourism Development in Montenegro, Client: SNV, Netherlands – office in Podgorica, 2008.
13. Participant in project „Adriafood“, 2008.
14. Participant in the project: „Cycling routes from the Adriatic Coast to Skadar Lake“, University of Eberwalde, Germany and University "Luigj Gurakuqi", Skadar, Albania.
15. Team member of the project: „Guest survey pilot project for 6 selected hotels in Montenegro“, Client: National Tourism Organization of Montenegro, 2007.
16. participant in project on cycling tourism promotion in Plav region, realised with University of Eberwalde, Germany and University "Luigj Gurakuqi", Skadar, Albania, 2006.

Conference papers and articles (Short list):

1. Moric, I., Jovanović, J.Š., Đoković, R., Peković, S., Perović, Đ. (2020). The Effect of Phases of the Adoption of the Circular Economy on Firm Performance: Evidence from 28 EU Countries, *Sustainability* 2020, 12, 2557. <https://doi.org/10.3390/su12062557>
2. Moric, I., Pekovic, S., Janinovic, J., Perovic, Đ., & Griesbeck, M. (2021). Cultural tourism and community engagement: Insight from Montenegro. *Business Systems Research: International journal of the Society for Advancing Innovation and Research in Economy*, 12(1), 164-178.
3. Perovic, Đ, Moric, I., Pekovic, S., Stanovic, T., Roblek, V. i Pejic Bach, M. (2018). The antecedents of tourist repeat visit intention: Systemic approach, *Kybernetes*, <https://doi.org/10.1108/K-12-2017-0480>.
4. Stanovčić, T., Moric, I., Laković, T. i Peković, S., (2015). Analysis of Financial Indicators of Montenegrin Hotel Industry“, *MIC 2015: Managing Sustainable Growth; Proceedings of the Joint International Conference*, , Portorož, University of Primorska, Slovenia, 28–30 May 2015., str. 433-440
5. Picuno, P., Stanovčić, T., Moric, I., Dimitrijević, A. i Sica, C. (2015). The valorization of vernacular farm buildings for an innovative rural tourism, *Proceedings of the 43rd International Symposium on Agricultural Engineering, Actual Tasks on Agricultural Engineering*, Opatija, Croatia, 24-27 February 2015., str. 807-817.

6. Mihailović, B. i Moric, I., (2015), "Razvoj preduzetništva u funkciji ruralnog turizma: Slučaj Crne Gore", IV Scientific – professional Conference with International Participation, Jahorina Business Days (JBD 2015): Tourism in Function of Economic Development, Jahorina 25-27.02.2015., (Rad prihvaćen za konferenciju).
7. Moric I., (2013), „Clusters as a Factor of Rural Tourism Competitiveness: Montenegro Experiences“, Business Systems Research Journal, ISSN 1847-8344, Vol. 2., No. 2., December 2013, str. 94-107.
8. Moric, I. i Simović, O., (2013), "The Role of Events in Strategic (Re)positioning of a Tourist Destination", EBM2012 Contemporary Issues in Economics, Business and Management, Second International Scientific Conference, Faculty of Economics, University of Kragujevac, Conference Proceedings, ISBN: 978-86-6091-042-6, str. 209-216.
9. Moric, I., (2013), „The Role and Challenges of Rural Tourism Development in Transition Countries: Montenegro Experiences“, Turizam: International Scientific Journal, ISSN 1450-6661, Vol. 17, Issue 2, str. 84-95.
10. Moric, I., (2013), "Specifics and Necessity of PR Implementation in Rural Tourism", The Third International Scientific Congress – Biennale, 5th October, 2013., University of Tourism and Management, Skopje, Collection of Works of the Congress ICON BEST 2013, str. 106-112.
11. Perović, Đ., Stanovčić, T., Moric, I. i Pekovic, S., (2013), "What factors influence quality service improvement in Montenegro: Empirical analysis", International Journal for Quality Research, Vol. 7, Issue 1, str. 63-67.
12. Mihailović B. i Moric I., (2013), "Uloga marketinga u preduzetništvu kod ruralnog turizma", Treća međunarodna naučna konferencija „Trendovi u turizmu i hotelijerstvu“, Kotor, 12-13.09.2013., Zbornik radova, ISSN 2337-0319, str. 138-149.
13. Moric, I., (2013), „Socially Responsible Marketing in Rural Tourism: Challenges for Montenegro“, Hotellink: Journal for Theory and Practice of Hotel Industry, ISSN 1451-5113, Vol. 14., Br. 21-22, str. 847-854.
14. Perović, Đ., Stanovčić, T., Moric, I. i Peković S., (2013), "What Factors Influence Quality Service Improvement in Montenegro: Empirical Analysis", International Journal for Quality Research, Vol. 7, No. 1, ISSN 1800-6450, str. 63-70.
15. Perović, Đ., Stanovčić, T., Moric, I. i Pekovic, S., (2012), "What socio-demographic characteristics do influence the level of tourist's satisfaction in Montenegro? Empirical analysis", Revista de turism-studii si cercetari in turism, Vol. 14, str. 5-10.
16. Moric, I., (2012), „Specifics and Necessity of the Implementation of Marketing Concept in Rural Tourism Development“, Proceedings of the IBC 2012 1st International Internet & Business Conference, June 27-28, 2012, Rovinj, Croatia, ISSN 1848-5278, str. 108-113.
17. Mihailović, B. i Moric, I., (2012), „The Role of Marketing Philosophy in Rural Tourism Development“, Tourism and Hospitality Management: An International Journal of Multidisciplinary Research for South-Eastern Europe, ISSN 1330-7533, Vol. 18, No. 2, str. 267-280.
18. Moric, I., (2012), The Challenges of Product Development and Diversification in Rural Tourism in Montenegro, The Third International Congress on Rural Tourism, Croatia, Osijek, 23rd-26th May 2012 (Zbornik u pripremi).
19. Moric, I., (2012), "Promotion of a Tourist Destination via Reality TV Show: Experiences and Perspectives", Medijski dijalozi: Časopis za istraživanje medija i društva, Vol. 5, No. 13-14, ISSN: 1800-7074, str. 697-708.
20. Moric I., (2012), "The Significance of IPA funds for rural tourism development in Montenegro", Western Balkans: From Stabilization to Integration, ISBN 978-86-7076-160-7, str. 373-385.
21. Moric, I., (2012), „The Role of Eco-rural Tourism in Community and Rural Development in Montenegro“, Knowledge and Business Challenge of Globalisation in 2012, International Scientific Conference, 15-16.11.2012., Faculty of Commercial and Business Sciences, Celje, Collection of Papers, ISBN: 978-961-6825-67-2, str. 848-856.

Additional information

22. Stanovčić, T., Perović, Đ., Moric, I. i Peković, S., (2010), „Can Quality Standards indirectly improve Employee's Wage: Empirical Evidences from Montenegro“, International Journal for Quality Research, Vol. 4, No. 4, ISSN 1800-6450, str. 303-310.
23. Moric, I., (2011), „The Challenges of Branding Montenegro as a Rural Tourism Destination“, Second International Scientific Conference: Contemporary Trends in Tourism and Hospitality, Faculty of Tourism and Hotel Management, Kotor, 27-28.05.2011., Collection of Papers, ISBN 978-86-7031-233-3, str. 283-291.
24. Moric, I., (2009), „Potentials for the Development of Wine Tourism in Montenegro“, Hotellink: Journal for Theory and Practice of Hotel Industry, ISSN 1451-5113, Vol. 10, Br. 13-14, str. 743-748.
25. Moric I., (2008), „Limiting Factors of Rural Tourism Development in Montenegro“, Selective Tourism, Issue 3, ISSN 1800, UDK 005.21:338.48(497.16), str. 52-71.

CURRICULUM VITAE

Vesna Popović-Bugarin

Family name: Popović-Bugarin
First names: Vesna
Date of birth: May 3, 1978.
Nationality: Montenegrin
Civil status: Married (two children)
E-mail: pvesna@ucg.ac.me
Contact details: Faculty of Electrical Engineering
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Education:

Institution	Degree(s) or Diploma(s) obtained:
Faculty of Electrical Engineering, University of Montenegro [1996-2001]	Dipl. Ing. (equivalent to spec. sci.) in Electrical Engineering
Faculty of Electrical Engineering, University of Montenegro [2001-2005]	M.Sc. in Electrical Engineering
Faculty of Electrical Engineering, University of Montenegro [2005-2009]	PhD in Electrical Engineering

Foreign language skills:

Language	Reading	Speaking	Writing
English	Well	Good	Well
French	Fair	Basic	Basic

Current position: Vice dean for research and development of the Faculty of Electrical Engineering, University of Montenegro

Full Professor at the Faculty of Electrical Engineering, University of Montenegro

Previous positions: Associated Professor at the Faculty of Electrical Engineering, University of Montenegro (June 2015 - July 2020)

Assistant Professor at the Faculty of Electrical Engineering, University of Montenegro (June 2010 - June 2015)

Deputy scientific director of the BIO-ICT, the first Center of excellence in Montenegro (2013-2018)

Teaching assistant at the Faculty of Electrical Engineering, University of Montenegro (January 2002 - June 2010)

Academic courses taught:

- Artificial Intelligence
- Introduction to Artificial Intelligence and Machine Learning
- Basics of computer engineering II
- Programmable devices and object-oriented programming
- Expert systems
- Databases
- Use of computers in maritime
- Electronic navigation systems
- Digital signal processing
- Programming and databases
- Mathematics in computer science
- Desktop publishing
- C programming language

Membership of professional bodies:

- Institute of Electrical and Electronics Engineers (IEEE);
- The European Association for Signal Processing (EURASIP);

Specific experience abroad:

Country	Date from - Date to
Switzerland	June 8, 2004 - July, 18, 2004. research at CERN (European Organisation for Nuclear Research)
France	May 24, 2006. – June, 24. 2006, research at ENSIETA-i (École Nationale Supérieure d'Ingénieurs)
Germany	August 2nd, 2007 – September 2nd, 2007., research at Bonn-Rhein-Sieg University of Applied Sciences

IT skills:

- Programming languages
 - Octave / MATLAB
 - C
 - C++
 - Python
 - Geant
 - CLIPS
- Databases
 - MySQL

- Access
- Other skills
 - Windows operating systems (XP, Win7, Win8, Win10)
 - MsOffice, LaTeX word processing

Awards:

- Project *Be responsible* (Vesna Popović-Bugarin was member of development team) won several prizes and gained international recognition:
 - Winner application at the contest “*Open Ideas for Montenegro*”, organized by UNDP office in Montenegro and SME “Digitalizuj.Me” in May 2013.
 - Among seven finalist projects for the “*Bright Spots*” (worldwide) competition award at Open Government Partnership Summit in London, October 2013.
 - Winner mobile communication campaign “*Be responsible. It's up to you. Zero grey economy*”. Awarded by The National Association of Government Communicators in Washington, June 2014.
 - Second place for campaign “*Be responsible. It's up to you. Zero grey economy*”. Awarded by Open Government Partnership initiative in New York, September 2014.

Projects:

- *Strengthening capacities for the implementation of dual education in Montenegro higher education* (DUALMON), ERASMUS+ project, structural project (2021-2023).
- *Centre of Excellence in Bioinformatics* (BIO-ICT) (www.bio-ict.ac.me), **deputy scientific director** (2014-2018)
- *Fostering innovation based research for e-Montenegro* (Fore-Mont), FP7 REGPOT project, (www.foremont.ac.me), **researcher/WP leader** (2013-2016)
- *Efficient parameter estimation of non-stationary signals with applications in power and communication systems*, Research project supported by Ministry of Education and Science of Montenegro, University of Montenegro, Faculty of Electrical Engineering, **researcher** (2012-2016)
- *Balkan GEO Network – Towards Inclusion of Balkan Countries into Global Earth Observation Initiatives*, FP7 project, **team member** (2010-2013).
- *Radar system with stochastic waveforms*, Research project supported by Ministry of Education and Science of Montenegro, University of Montenegro, Faculty of Electrical Engineering, **researcher** (2012-2016).
- *Local polynomial approximation and techniques of multiparametric optimization in parameter estimation and signal filtering*, Research project supported by Ministry of Education and Science of Montenegro, University of Montenegro, Faculty of Electrical Engineering, **researcher** (2009-2011).
- *Analysis of non-stationary signals in time-frequency domain with application to radar signals*, Research project supported by Ministry of Education and Science of Montenegro, University of Montenegro, Faculty of Electrical Engineering, **researcher** (2009-2011).
- *Synthetic Aperture Radar (SAR)*, supported by research and Defence, Canada, **researcher** (2007-2011).

- *Detection and Imaging of Moving Targets in Polarimetric SAR Using Parametric and Non-Parametric Radar Imaging Analysis Methods*, supported by research and defence, Canada, **researcher** (2006-2007).
- *Decomposition of complex signals using time-frequency analysis*, Research project supported by Ministry of Education and Science of Montenegro, University of Montenegro, Faculty of Electrical Engineering, **researcher** (2005-2007)
- *Detection of Targets Using Signal Decomposition Based Methods With Application to the Analysis of HFSWR Signals in Clutter Regions*, supported by research and defence, Canada, **researcher** (2005)
- *Time-frequency Signal Analysis*, supported by Volkswagen fondation, **researcher** (2000-2003).

Other relevant information:

- Coordinator of the Startup academy and competition “Rise-T”, organised in cooperation with the Company Amplitudo, at the Faculty of Electrical Engineering, University of Montenegro in 2020, and 2021;
- Former member of ICT board with MASA (Montenegrin Academy of Science and Arts);
- Former member of Center of Young Scientists, founded within the Montenegrin Academy of Sciences and Arts;
- Supervisor in 16 diploma thesis at academic study program, and a couple at applied studies;
- Supervisor in three master thesis;
- Member of team that organized professional training on GEO initiatives (introduction to GEOSS, INSPIRE, SEIS, GMES initiatives);
- Organizer of the scientific conference "Perspectives of ICT development", MASA (CANU), December, 22th, 2015;
- Invited Speaker at seminar *Multidisciplinary Innovations in Bioinformatics*, organized by EESTEC organization, June 3rd, 2017.

BIBLIOGRAPHY

International Journals and Book Chapters

- [1] **V. Popović-Bugarin**, and S. Djukanović, "A Low Complexity Model Order and Frequency Estimation of Multiple 2-D Complex Sinusoids," *Digital Signal Processing*, Vol. 104, September 2020, <https://doi.org/10.1016/j.dsp.2020.102794>
- [2] **V. Popović-Bugarin**, and S. Djukanović, "Efficient instantaneous frequency estimation in high noise based on the Wigner distribution," *Signal Processing*, Vol. 157, pp. 25-29, April 2019.
- [3] S. Djukanović, and **V. Popović-Bugarin**, "Efficient and accurate detection and frequency estimation of multiple sinusoids," *IEEE Access*, December 2018, DOI: 10.1109/ACCESS.2018.2886397.
- [4] E. Salković, I. Djurović, M. Knežević, **V. Popović-Bugarin**, A. Topalović, "Digitization and mapping of national legacy soil data of Montenegro," *Soil and Water Research*, 81/2017-SWR, Vol. 13, No.2, pp. 83–89, 2018.
- [5] M. Brajović, **V. Popović-Bugarin**, I. Djurović, and S. Djukanović, "Post-processing of time-frequency representations in instantaneous frequency estimation based on ant colony optimization," *Signal Processing*, Vol. 138, pp. 195–210, September 2017.
- [6] I. Djurović, **V. Popović-Bugarin**, and M. Simeunović, "The STFT-based estimator of micro-Doppler parameters," *IEEE Transactions on Aerospace and Electronic Systems*, DOI: 10.1109/TAES.2017.2669741. Vol. 53, No. 3, June 2017.
- [7] E. Hot, **V. Popović-Bugarin**, "Soil data clustering by using K-means and fuzzy K-means algorithm," *Telfor Journal*, Vol. 8, No. 1, pp. 56-61, 2016.
- [8] LJ. Stanković, M. Daković, T. Thayaparan, and **V. Popović-Bugarin**, "Inverse Radon transform based micro-Doppler analysis from a reduced set of observations," *IEEE Transactions on Aerospace and Electronic Systems*, Vol. 51, No. 2, pp.1155-1169, April 2015.
- [9] LJ. Stanković, M. Daković, T. Thayaparan, and **V. Popović-Bugarin**, "Signal decomposition of micro-Doppler signatures," *Radar Micro-Doppler Signatures: Processing and Applications*, Ed. V. C. Chen, D. Tahmouh, and W. J. Miceli, IET, pp.273-327, 2014.
- [10] LJ. Stanković, **V. Popović-Bugarin**, and F. Radenović, "Genetic algorithm for rigid body reconstruction after micro-doppler removal in the radar imaging analysis," *Signal Processing*, Volume 93, Issue 2013, Jan 2013.
- [11] LJ. Stanković, M. Daković, T. Thayaparan, and **V. Popović-Bugarin**, "Micro-Doppler removal in the radar imaging analysis," *IEEE Transactions on Aerospace and Electronic Systems*, Vol. 49, No. 2, April 2013, pp.1234-1250
- [12] S. Djukanović, and **V. Popović-Bugarin**, "A parametric method for multicomponent interference suppression in noise radars," *IEEE Transactions on Aerospace and Electronic Systems*, vol. 48, no. 3, pp. 2730–2738, July 2012.
- [13] S. Djukanović, **V. Popović-Bugarin**, M. Daković, and LJ. Stanković, "A parametric method for non-stationary interference suppression in direct sequence spread-spectrum systems," *Signal Processing*, Vol. 91, No. 6, pp. 1425-1431, June 2011
- [14] I. Djurović, C. Ioana, T. Thayaparan, LJ. Stanković, P. Wang, **V. Popović-Bugarin**, and M. Simeunović, "Cubic-phase function evaluation for multicomponent signals with application to SAR imaging," *IET Signal Processing*, vol. 4, no. 4, August 2010, pp. 371-381
- [15] T. Thayaparan, LJ. Stanković, M. Daković, and **V. Popović-Bugarin**, "Micro-Doppler parameter estimation from a fraction of the period," *IET Signal Processing*, vol. 4, no. 3, pp. 201-212, June 2010. doi: 10.1049/iet-spr.2009.0093, ISSN: 1751-9675

- [16] **V. Popović-Bugarin**, I. Djurović, LJ. Stanković, T. Thayaparan, and M. Daković, "Autofocusing of SAR images based on parameters estimated from the PHAF," *Signal Processing*, Vol. 90, No. 5, May 2010, Pages 1382-1391
- [17] I. Djurović, LJ. Stanković, **V. Popović-Bugarin**, M. Daković, and T. Thayaparan, "Time-frequency analysis for SAR and ISAR imaging," in *GeoSpatial Visual Analytics*, Springer 2009, ISBN 978-90-481-2898-3, pp. 113-127
- [18] LJ. Stanković, T. Thayaparan, **V. Popović-Bugarin**, I. Djurović, and M. Daković, "Adaptive S-Method for SAR/ISAR Imaging," *EURASIP Journal on Advances in Signal Processing*, Vol. 2008, No. Jan. 2008, Page(s) 10 pages

National and Other Journals

- [1] E. Hot, **V. Popović-Bugarin**, "Soil data clustering by using K-means and fuzzy K-means algorithm," *Telfor Journal*, Vol. 8, No. 1, 2016.
- [2] S. Vujović, M. Brajović, **V. Popović-Bugarin**, N. Latinović, J. Latinović, and M. Bajčeta, "A web service for grapevine monitoring and forecasting a disease," *ETF Journal of Electrical Engineering*, Vol. 22, No. 1, 2016.

International Conferences

- [1] D. Planinić, **V. Popović-Bugarin**: "Credit Card Fraud Detection Using Supervised Learning Algorithms", in Proc. 28th International Conference on Information Technology (IT), DOI: 10.1109/IT61232.2024.10475768, February 2024.
- [2] I. Knežević, I. Čavor, T. Dlabač, and **V. Popović-Bugarin**: "Using Machine Learning Techniques for Predicting Electrical Data of PV Panels from RGB Images", in Proc of 10th International Maritime Science Conference (IMSC 2023), May 2023, Croatia.
- [3] J. Vujović, **V. Popović-Bugarin** and Š. Ivošević, "Corrosion prediction of fuel tanks on bulk carrier," 2nd Kotor International Maritime Conference, November 2022, Kotor, Montenegro.
- [4] M. Đukanović, S. Rogić, L. Novičević, **V. Popović-Bugarin** and M. Jovanović: "Application of Apriori Algorithm for CRM Improvement - Case Study from Montenegro", ICCTA 22: Proceedings of the 2022 8th International Conference on Computer Technology Applications, pp. 48–56, May 2022.
- [5] M. Vukčević, **V. Popović-Bugarin** and E. Dervić: "DBSCAN and CLARA Clustering Algorithms and their usage for the Soil Data Clustering" *2019 8th Mediterranean Conference on Embedded Computing (MECO)*, 2019, pp. 1-6, doi: 10.1109/MECO.2019.8760140.
- [6] M. Bajčeta, P. Sekulić, S. Djukanović, T. Popović, and **V. Popović-Bugarin**, "Retinal blood vessels segmentation using ant colony optimization," *2016 13th Symposium on Neural Networks and Applications (NEUREL)*, Belgrade, November 22-24, 2016.
- [7] E. Hot, and **V. Popović-Bugarin**, "Soil data clustering by using K-means and fuzzy K-means algorithm," *23rd Telecommunications Forum TELFOR 2015*, Serbia, Belgrade, November 24-26, 2015.
- [8] E. Hot, **V. Popović-Bugarin**, A. Topalović, M. Knežević, "Generating thematic pedologic maps by using data mining and interpolations," *3rd International Conference on Electrical, Electronic and Computing Engineering IcETRAN 2016*, Zlatibor, Serbia, June 2016.
- [9] M. Brajović, and **V. Popović-Bugarin**, "Instantaneous Frequency Estimation Using Ant Colony Optimization and Wigner Distribution," *4th Mediterranean Conference on Embedded Computing, MECO 2015*, Budva, Montenegro, June 2015.
- [10] **V. Popović-Bugarin**, F. Radenović, and LJ. Stanković, "Analytical Rigid Body Reconstruction after Micro-Doppler Removal," in *Proc. of ISPA 2013*,

- [11] S. Djukanović, and **V. Popović-Bugarin**, “An efficient peak frequency estimator for product high-order ambiguity function,” *International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, Prague, Czech Republic, May 2011.
- [12] S. Djukanović, and **V. Popović-Bugarin**, “A Robust Estimation of Polynomial-Phase Coefficients,” *18th Telecommunications Forum TELFOR 2010*, Serbia, Belgrade, November 23-25, 2010.
- [13] **V. Popović-Bugarin**, I. Djurović, LJ. Stanković, T. Thayaparan, and M. Daković, “Autofocusing of SAR Images Based on the LPFT and the PHAF,” *ANTEM/AMEREM 2010, 14TH International Symposium on Antennas and Electromagnetics and The American Electromagnetics Conference*, July 2010, Ottawa, ON, CANADA
- [14] T. Thayaparan, LJ. Stanković, M. Daković, I. Djurović, and **V. Popović-Bugarin**, “Image enhancement and motion compensation of moving targets in ISAR using S-method,” *International Radar Conference Surveillance for a Safer World 2009, RADAR*, 2009, pp. 1-5.
- [15] I. Djurović, M. Daković, and **V. Popović-Bugarin**, “Numerical modeling in radar data analyzing,” *6-th International Seminar Mathematical Models & Modeling in Laser – Plasma Processes*, Budva, Crna Gora, pp. 43, jun 2009.
- [16] LJ. Stanković, T. Thayaparan, M. Daković, and **V. Popović-Bugarin**, “S-Method in radar imaging,” *EUSIPCO 2006*, Florence, Italy, 4-8 September 2006.
- [17] **V. Popović-Bugarin**, M. Daković, T. Thayaparan, and LJ. Stanković, “Sar Images Improvements by Using The S-Method,” in *Proc. of ICASSP 2006*, Vol.3, 21-24 May 2006, pp.III-177-III-180
- [18] **V. Popović-Bugarin**, T. Thayaparan, and LJ. Stanković, “Noise analysis of the high resolution methods in ISAR,” *ISPA 2005*, 15-17 Sept. 2005 pp.489 - 493
- [19] LJ. Stanković, **V. Popović-Bugarin**, and M. Daković, “On the Capon's method application in time-frequency signal analysis,” in *Proc. of ISSPIT 2003*, Darmstadt, Germany, 14-17 December 2003, pp. 721-724.

Regional and National Conferences

- [1] A. Brtan, **V. Popović-Bugarin**, L. Šćekić, N. Mijatović: Detection of GPS spoofing attacks on phasor measurement units using statistical method for change-point detection in signal probability density, I Consultation on Electricity Distribution Networks (CIRED), 2024, Budva, Montenegro.
- [2] E. Hot, and **V. Popović-Bugarin**, “Analiza fuzzy K-means klasterizacije koristeći pedološku bazu podataka Crne Gore,” *Informacione Tehnologije - IT 2016*, March 2016.
- [3] S. Vujović, M. Brajović, **V. Popović-Bugarin**, N. Latinović, J. Latinović, and M. Bajčeta, “WEB servis za monitoring vinograda i predviđanje oboljenja vinove loze,” *Informacione Tehnologije - IT 2016*, March 2016.
- [4] M. Brajović, S. Vujović, **V. Popović-Bugarin**, S. Djukanović, M. Knežević, and A. Topalović, “Soil analysis database and the expert system for recommendations of fertilization in agriculture,” *Informacione Tehnologije - IT 2016, March 2016*,
- [5] P. Sekulić, M. Bajčeta, **V. Popović-Bugarin**, S. Djukanović, and A. Mihailović, “One approach to the optimization of public transport,” *Informacione Tehnologije - IT 2016, March 2016*.
- [6] I. Rahović, **V. Popović-Bugarin**: “Web application Pg Bus”, Smart City Workshop, Infofest 2015, Budva, Montenegro.
- [7] **V. Popović-Bugarin**, F. Radenović, and LJ. Stanković, “Genetički algoritam za rekonstrukciju nedostajućih odiraka kratkotrajne Fourier-ove transformacije,” *Informacione Tehnologije - IT 2013*,
- [8] I. Djurović, M. Simeunović, and **V. Popović-Bugarin**, “Primjena modifikovane kubične fazne funkcije u estimaciji parametara SAR signala,” *Informacione tehnologije IT '09*, Žabljak, 2009.

National Textbooks

- [1] S. Djukanović, I. Djurović and **V. Popović-Bugarin**, *C programming languages with worked examples*, second edition, Narodna knjiga, Podgorica, 2018.
- [2] I. Djurović, S. Djukanović, and **V. Popović-Bugarin**, *C programming languages with worked examples*, Faculty of Electrical Engineering, Podgorica, 2006.
- [3] I. Djurović, **V. Popović-Bugarin**, M. Simeunović, and P. Raković, *Programming II – practicum for laboratory exercises*, Faculty of Electrical Engineering, Podgorica 2010
- [4] I. Djurović, S. Djukanović, and **V. Popović-Bugarin**, *Programming I – practicum for laboratory exercises*, Faculty of Electrical Engineering, Podgorica 2010
- [5] I. Djurović, and **V. Popović-Bugarin**, *Object oriented programming in a C ++ programming language with solved problems, textbook*, Skripta, ETF, Faculty of Electrical Engineering, Podgorica 2004.

Reviewer

Journals:

- [1] IEEE Transactions on Signal Processing
- [2] IEEE Geoscience and Remote Sensing Letters.
- [3] IEEE Signal Processing Letters
- [4] IEEE Transactions on Aerospace and Electronic Systems
- [5] Elsevier Signal Processing
- [6] IET Image Processing
- [7] IET Radar, Sonar & Navigation
- [8] EURASIP Journal on Advances in Signal Processing
- [9] Circuits, Systems & Signal Processing
- [10] IET Signal Processing
- [11] Remote sensing
- [12] Journal of Nanoelectronics and Optoelectronics
- [13] IEEE Access

Conferences:

- [1] Information Tehnology (IT)
- [2] Mediterranean Embedded Computing Resources (MECO)
- [3] International Balkan Conference on Communications and Networking (BalkanCom)

Nikola Žarić biografija

Nikola Žarić rođen je 1982. godine u Podgorici. Elektrotehnički fakultet u Podgorici je upisao 2001. godine na odsjeku Elektronika, telekomunikacije i računari, gdje je i diplomirao 2005. godine. Magistrirao je u decembru 2006. godine. Doktorsku disertaciju "Vremensko-frekvencijske distribucije sa realnim i kompleksnim argumentom vremena: hardverske realizacije i primjena u digitalnom watermarkingu" odbranio je 2010. godine. Tokom doktorskih studija je boravio na: Bonn-Rhein-Sieg University of Applied Sciences, Bon, Njemačka (2007), Institute Nacional Polytechnique de Grenoble, Grenobl, Francuska (2008 i 2009), i Villanova University, Filadelfija, Sjedinjene Američke Države (2010).

Na Elektrotehničkom fakultetu u Podgorici počeo je da radi u oktobru 2005. godine. U zvanje docenta izabran je 2010. godine. U zvanje Vanrednog profesora Univerziteta Crne Gore, Nikola Žarić izabran je 2016. godine. U periodu od januara 2010. do jula 2023. godine radio je i na poslovima Službenika za javne nabavke na Elektrotehničkom fakultetu.

Član je profesionalnih udruženja: Institute of Electrical and Electronics Engineers (IEEE), IEEE Signal Processing Society, IEEE, IEEE Computer Society Technical Community on Security and Privacy.

Tokom 2015. i 2016. godine imenovan je za Nacionalnu kontakt osobu (NCP) pri Ministarstvu nauke za oblast European Research Infrastructure u novom EU Okvirnom programu za istraživanje i inovacije HORIZON 2020. Od 2023. godine imenovan je za NCP za Cluster 3 Civilna sigurnost za društvo, za oblast Cyber Security.

Dobitnik je nagrade za inovacije: Innovation award na Internacionalnom workshopu za inovacije i preduzetništvo (International Workshop on Innovation and Entrepreneurship IWIE) održanom u maju 2015. u Aalborgu, Danska.

Učestvovao je u realizaciji više nacionalnih i međunarodnih naučno-istraživačkih projekata, među kojima: FP7 Fore-Mont projekat, FP7 eWALL projekat i projekat Centra izvrsnosti u bioinformatički BIO-ICT.

Nikola Žarić publikovao je preko 50 radova u vodećim međunarodnim časopisima i domaćim, regionalnim i međunarodnim konferencijama. Koautor je i tri univerzitetska udžbenika.

Recenzent je u više međunarodnih časopisa, među kojima su: IEEE Transactions on Signal Processing, IEEE Transactions on Circuits and Systems-Part II, EURASIP Journal on Advances in Signal Processing, Elsevier Signal Processing, IET Image Processing, Computer Science and Information Systems, Wireless Information Networks i Technical Gazette.

Od 2019. godine Nikola Žarić izvodi nastavu na predmetu Bezbjednost informacionih sistema na Studijama primijenjenog primijenjenog računarstva. Rad na ovom predmetu rezultirao je izradom nekoliko master radova i radova na naučnim konferencijama od kojih se posebno ističu:

- Master rad kandidatkinje Teodore Petranović „Analiza softverskih alata za eksploataisanje ranjivosti podataka tokom prenosa - tehnike presrijetanja i manipulacije podataka“ odbranjen 2024. godine.
- Master rad kandidata Bobana Banjevića „Analiza softverskih rješenja za detekciju i prevenciju bezbjedonosnih prijetnji na aplikativnom nivou“ odbranjen 2023. godine.
- Master rad kandidata Nikole Živkovića „Razvoj aplikacije i implementacija sistema za detekciju neovlašćenih lica unutar zone nadzora“ odbranjen 2023. godine.
- Master rad kandidatkinje Amine Pirović „Primjena pametnih ugovora za očuvanje bezbjednosti i privatnosti u pametnim kućama“ odbranjen 2024. godine.
- Master rad kandidatkinje Sanje Bjelanović „Alati za testiranje i otkrivanje grešaka u Web aplikacijama: Studija slučaja Upotreba Selenium alata“ odbranjen 2024. godine.
- Master rad kandidata Jusufa Šabovića „Analiza bezbjednosnih rizika pri upotrebi QR kodova - studija slučaja: fišing napadi“ odbranjen 2024. godine.

Nikola Žarić je koordinator primjene inovativne edukativne platforme CybSafe na Univerzitetu Crne Gore (u saradnji sa kompanijom Sky Express Montenegro) čijom primjenom je sprovedeno više od 200 obuka u toku 2023. i 2024. godine.

Član je tima za uspostavljanje i razvoj Ulysseus Inovacionog haba za sajber bezbjednost na Univerzitetu Crne Gore. Bio je mentor timovima studenata u okviru takmičenja Cyber Challenge Lab organizovanog u periodu jun-oktobar 2024. godine u okviru projekta Ulysseus – Inovacionog haba za sajber bezbjednost Univerziteta Crne Gore, te predstavnik Univerziteta tokom studentske posjete Univerzitetu u Nici i tehnološkom parku Sophia Antipolis, gdje je uspostavljena saradnja u oblasti sajber bezbjednosti.

PERSONAL INFORMATION

Miodrag Zarubica



📍 Studentska L7/51, 81000 Podgorica, Montenegro

☎ +382 69 585 907

✉ miodrag@ucg.ac.me

Sex Male | Date of birth 25/03/1981 | Nationality Montenegrin

WORK EXPERIENCE

2021 -

IT Administrator

University of Montenegro, Faculty of Electrical Engineering, Džordža Vašingtona bb, Podgorica, Montenegro

<http://www.etf.ucg.ac.me>

2018 - 2021

Director

Center of Information System

University of Montenegro, Cetinjska br.2, Podgorica, Montenegro

<http://www.ucg.ac.me/rektorat/cis>

2005 – 2018

IT Administrator

University of Montenegro, Faculty of Economics, Jovana Tomasevica 37, Podgorica, Montenegro

<http://www.ekonomija.ucg.ac.me>

2001 - 2003

System engineer

Proper functioning and control

Top Gool bookmakers, Podgorica Montenegro

EDUCATION AND TRAINING

2022-	PhD studies at the Faculty of Electrical Engineering - University of Montenegro, Montenegro
2020-2022	Master's degree, Faculty of Electrical Engineering - University of Montenegro, Montenegro
2006-2009	Specialist studies of Information technologies, Spec. sci, Technical faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Serbia
1999-2005	In applied computer engineering, Faculty of Engineering, University of Montenegro
17/06 - 21/06/2024	Teaching - Alexander Dubček University of Trenčín, Slovakia
22/05 - 26/05/2023	Training - The "Lucian Blaga" University of Sibiu, Romania
06/06 - 10/06/2022	Training - Transilvania University of Brasov, Romania
18/10-22/10/2021	Trening - University of Huelva, Spain
12/07-16/07/2021	Trening – University of Granada, Spain
27/01-31/01/2020	Trening - "1 Decembrie 1918" University of Alba Iulia - Romania
04/11-08/11/2019	Trening - Silesian University of Technology in Gliwice, Poland
14/10-18/10/2019	Trening - Aristotle University of Thessaloniki, Greece
29/08-30/08/2019	Training Course - RIPE NCC Certificate of Participation - BGP Operation and Security, Podgorica, Montenegro
28/08/2019	Training Course - RIPE NCC Certificate of Participation - Basic IPv6, Podgorica, Montenegro
11/02-15/02/2019	Training – University of Applied Sciences in Nysa, Poland
25/06-29/06/2018	Training – The Technische Universität Bergakademie Freiberg, Germany
22/01-26/01/2018	Training – Stanislaw Staszic University of Applied Sciences in Piła, Poland
22/05-26/05/2017	Training – Technological Educational Institute of Athens, Greece
06/02-10/02/2017	Training – Faculty of Mathematics, Physics and Computer Science, University of Opole, Poland

PERSONAL SKILLS

Mother tongue(s) Montenegrin

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Team work: I successfully participated in various types of teams, at work, during education and trainings. Good ability to adapt to new environment and to cooperate with new people

Organisational / managerial skills Senior systems manager

Job-related skills

- Good organizational, multi-tasking, analytical skills
- Quickly accustomed to any technical equipment
- Good knowledge in the IT and system infrastructure

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Possess knowledge in the implementation of the networked infrastructure, maintenance of computers and computer networks, advanced use of a large number of operating systems, software, and software tools, web design, database

Other skills I was actively going in for sports for several years, basketball, football. I practise it as a recreation.

Driving licence B

ADDITIONAL INFORMATION

First module CCNA - Cisco

Dr Tena Božović

Curriculum Vitae

PERSONAL DATA

Name and surname:	doc.dr Tena Božović
Date and place of birth:	06. July 1982, Tuzla, BiH
Adress:	Stari grad 309, 85 330 Kotor
E-mail:	tenabozovic@icloud.com
Phone number:	+38269060701

QUALIFICATIONS

Since 2024 – Engaged as a professor at the **Faculty of Maritime Studies Kotor**, teaching the course "Integrated Management of Cruise Ports and Sustainable Destinations" (Master's studies)

Since 2023 – Professor at the **Faculty of Natural Sciences and Mathematics, University of Sarajevo (UNSA)**, teaching the following courses: *Tourism and the Economy*, *Spatial Planning Practice in Geoecology and Tourism* (1st cycle), and *Digital Marketing and New Media in Tourism* (2nd cycle)

2023 – 2025 – Professor at **UDG** (VATEL and the Faculty of Culture and Tourism), teaching the courses: *Professional Culture*, *Hospitality Roundtables*, and *Economics of Tourism*

In 2023 – Engaged as a professor at the **Faculty of Business and Tourism, Budva**, teaching the course: *Strategic Management in Tourism* (Master's studies)

Since 2022 – Involved in the Erasmus+ project “Fostering Internationalization at Montenegrin HEIs through Efficient Strategic Planning” as a lecturer within the lifelong learning program – summer school “Sustainable Development of Yachting and Cruising Industries,” **Faculty of Maritime Studies Kotor**, University of Montenegro

Since 2024 –
A.D. "Port of Kotor" – Kotor
Independent Associate for Planning, Analysis, and Marketing

2022 – 2024

“Crnogorska plovidba” A.D. Kotor

Member of the Board of Directors

2017 – 2024

A.D. "Port of Kotor" – Kotor

Deputy Executive Director

From 2013 to February 2017

HEC Faculty for International Management in Tourism and

Hospitality, Miločer - Engaged in the following courses:

Fundamentals of Tourism and Hospitality, Fundamentals of Marketing in Tourism and Hospitality, Sustainable Development Management, Fundamentals of Hospitality Management, Accounting – in the role of Senior Teaching Assistant – Doctoral Candidate Associate

2013 – 2017

Algonquin College – Canada

Professor for the following courses: *Dimensions of Tourism, Hospitality Marketing I & II, Volunteerism in Society, Tourism Management*

2013 – 2017

Hotel "Residence" Miločer – Finance Officer

2007 – 2008

Hotel "Rendez-vous" Kotor – Marketing Manager

2002 – 2004

Hotel "Vardar" – Training center of the Faculty of Tourism and Hospitality, Kotor; Position – Economist

EDUCATION

2022 – Elected to the academic title of Assistant Professor in the field of **Tourism**, at the Faculty of Natural Sciences and Mathematics, University of Sarajevo.

2019 – PhD in Tourism Management

Doctoral studies at the University Mediterranean, Faculty of Tourism – MTS, Podgorica (2014–2019), with a defended doctoral dissertation

titled: **“Marketing Consortia of Small Hotels as a Tool for the Advancement of the Hospitality Industry in Montenegro”**

2012 – Master of Tourism

Postgraduate studies at the University of Montenegro, Faculty of Tourism and Hospitality, Kotor. Master's thesis: **“Strategic Approach to the Development of Cruise Tourism on the Montenegrin Coast”**

2001–2006 – Bachelor of Tourism Management

Undergraduate studies at the University of Montenegro, Faculty of Tourism and Hospitality, Kotor; awarded the degree of Manager in Tourism

1996–2000 – High School Diploma, Gymnasium, Kotor

1995–1996 – Elementary School “Njegoš”, Kotor

1988–1995 – Elementary School “Radojka Lakić”, Bijeljina, Bosnia and Herzegovina

PUBLISHED RESEARCH PAPER

*Decembar, 2024,
Sarajevo*

Božović, T., Čaušević, A., (2024): „Overtourism in Montenegro: Balancing Cultural Heritage Preservation and Mass Tourism – Case Study of Kotor“, Geographical review, No.51, DOI: 10.35666/23038950.2025.51.09, UDC: 338.48 (497.16 Kotor), Faculty of Natural Sciences and Mathematics, University of Sarajevo, Sarajevo.

*November, 2024,
Kotor*

Božović, T., (2024): „Analysis of User Satisfaction Perception Regarding Marina Attributes in Nautical Tourism: A Case Study of Marina Kotor“, 4th Kotor International Maritime Conference, November 27-29, 2024 Kotor, Book of Abstracts.

*Oktober, 2024,
Sarajevo*

Huseinčehajić, E., Alijagić, A., Čaušević, A., Banda, A., Božović, T., (2024): **„Analysis of Hotel Guest Satisfaction Ratings and Reviews: An Application in Sarajevo“,** 10th International Tourism and Hospitality Management Congress – ITHMC Sarajevo.

*Oktober, 2024,
Sarajevo*

Avdić, K., Čaušević, A., Banda, A., **Božović, T., (2024): „Perceptions about New York City as a Tourist Destination“,** South Asian Journal of Social Studies and Economics 21(11):37-53, DOI: 10.9734/sajsse/2024/v21i11899

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- Oktobar, 2024, Sarajevo* Banda, A., Osmanović, M., Durmišević, B., Čaušević, A., **Božović, T.**, (2024): „**Sarajevo through the lens of the Austrian – Hungarian Period: The Significance of Postcards in Tourism Promotion**“, 10th International Tourism and Hospitality Management Congress – ITHMC Sarajevo.
- Oktobar, 2023, Sarajevo* Sivac, E., Dudić, M., Čaušević, A., Hrelja, E., **Božović, T.**, (2023): „**Motivation for employment in hospitality industry**“, Journal of Tourism and Hospitality Management, Book of abstracts, ITHMC 2023 9th International Tourism and Hospitality Management Congress (ITHMC), Sarajevo.
- Oktobar 2023, Sarajevo* **Božović, T.**, Avdić, A., (2023): „**Unlocking the Tourism potential of Bordering Regions: A Case Study of Tourism Development in Foča (Bosnia and Herzegovina) and Plužine (Montenegro)**“, Journal of Tourism and Hospitality Management, Book of abstracts, ITHMC 2023 9th International Tourism and Hospitality Management Congress (ITHMC), Sarajevo.
- Decembar, 2022, Sarajevo* **Božović, T.**, (2022): „**Montenegro three decades later – current conditions and perspectives**“, Geographical review, No.47, DOI: 10.35666/23038950.2022.47.33, UDC:911.3:338.485(497.16)“ 1992/2022, ISSN: 2303–8950, Faculty of Natural Sciences and Mathematics, University of Sarajevo, Sarajevo
- Decembar 2019, Podgorica* Doctoral dissertation on the topic: “**Marketing Consortia of Small Hotels as a Tool for the Advancement of the Hospitality Industry in Montenegro**“, December 2019, Faculty of Tourism, University “Mediterranean”, Podgorica.
- Maj 2017, Banja Luka* **Božović, T.**, (2017): “**Analysis of General and Cooperative Business Indicators of Small Hotels in Montenegro**“, Scientific and Professional Journal for Social and Natural Sciences, SVAROG, Independent University Banja Luka (NUBL), Banja Luka, ISSN 1986-8588, UDK 338.48:640.412(497.16), DOI 10.7251/SVA1714236B, COBISS.RS-ID 6492696
- Octobar 2016, Ukraine* Lutovac, M., **Božović, T.**, (2016): “**The concept and importance of the hotel industry in Montenegro**“, *International Research Journal*, Iss. 11/12, 2016; ISSN 2227-6017 (online), ISSN 2303-9868 (print), DOI: 10.18454/IRJ.2227-6017 ПИ № ФС 77 - 51217
- July, 2016, Tivat* **Božović, T.**, (2016): “**Positioning a small hotel-independence or brand**“, International Conference "Economy, Law and the State

	Administration", ELaSA-2016, <i>Conference proceedings</i> , ISBN 978-5-9616-0518-1
<i>May, 2016 , Banja Luka</i>	Perović, T., (2016): “Alternatives for the Development of Hospitality in Montenegro” Journal “Aktuelnosti,” No. 33/2016, Banja Luka College, page71-78, UDK 338.48:640.4(497.16), pregledni rad, ISSN 0354-9852,DOI 10.7251/AKT3215001T
<i>Octobar, 2015, Banja Luka</i>	Perović, T., Popović, M., (2015): “The Impact of Contemporary Tourism Trends on the Socio-Cultural Development of a Destination”, Journal “Aktuelnosti” br 32/2015, Banja Luka College, str. 88-101, UDK 338.48:640.4(497.16), pregledni rad, ISSN 0354-9852 DOI 10.7251/AKT3215004P.
<i>Octobar,2015, Banja Luka</i>	Perović, T., (2015): “Business Networking as a Factor in the Development of Small Hotels in Montenegro”, Scientific and Professional Journal for Social and Natural Sciences, SVAROG, Independent University Banja Luka (NUBL), Banja LukaISSN 1986-8588.
<i>December 2014</i>	Popović, M., Perović, T., (2014): “Touristic Valorization of the Old Town of Kotor”, Journal for Science, Research, and Development, International University of Brčko, NIR III broj 6, UDK 338.482(497.1), pregledni rad ISSN 2233-1603, COBISS.BH-ID19756294.
<i>August 2012</i>	Master's Thesis: “Strategic Approach to the Development of Cruise Tourism on the Montenegrin Coast”, Faculty of Tourism and Hospitality, University of Montenegro, Kotor
<i>June, 2011.</i>	Perović, T., (2011): “Strategy of Cruising Tourism Development in the Montenegrin Coastal Region”, Selective Tourism Journal, issue 6, 2011, UDK 338.48-52:791.1(497.16), ISSN 1800-6620.

PROJECTS

<i>Oktobar, 2013.god.</i>	Distance Learning System , HEC Faculty for International Management in Tourism and Hospitality,Miločer.
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STUDY VISITS, COURSES AND PROFESSIONAL DEVELOPMENT

<i>November, january 2021</i>	Guest Lectures, Faculty of Science, University of Sarajevo, 'Service Specificities' and 'Marketing Mix in the Tourism Market - Distribution''
<i>June, 2021</i>	"Certificate 'Certified Accountant' , Institute of Internal Auditors of Montenegro.
<i>May, 2021</i>	Guest Lectures , Faculty of Science, University of Sarajevo, <i>'Preventing Degradation and Rehabilitation of Tourism-affected Destinations; Sustainable Tourism – Cooperation Between the Local Community and Tourism, Infrastructure Maintenance – Case Study Montenegro', 'The Importance of Planning in Tourism - Carrying Capacities'.</i>
<i>November, 2018</i>	'Tourism Festival and Strategies' , Dubrovnik, Strategic Management in Cruise Tourism.
<i>April, 2015</i>	'EVENT MANAGEMENT' , Sylvia Densmore, Lecturer at Algonquin College, 'Hotel Residence', Miločer.
<i>Oktoibar, 2010</i>	Certificate 'Accountant' , Institute of Certified Accountants of Montenegro."

COMPUTER SKILLS

Operating System: Microsoft Windows
Computer Applications: MS Office Suite and associated applications

STRANI JEZICI

- English, fluent

Good communication skills, Leadership skills, Operational skills, Organizational skills and Management skills.

CV – ZORAN KOVAČEVIĆ



PERSONAL DATA

Name: **Zoran Kovačević**

Address: **Obala Nikole Kovačevića 64, Igalo 85347 Montenegro**

Phone: **+382/ 69 11 88 11**

E-mail: zoran.k@ucg.ac.me

LinkedIn profile: <https://www.linkedin.com/in/zoran-kovacevic-52156897>

Citizenship: **Montenegrin**

Date of birth: **09 July 1972**

WORK EXPERIENCE

- **From 1 October 2020**

Name and address of the Employer: University of Montenegro - **Faculty of Maritime Studies Kotor**

Job position: **Associate Professor, Ph.D.** (present - part-time job)

Main tasks and responsibilities: as an Associate Teacher at the Faculty of Maritime Studies, teach the subject "Nautical Tourism Port Management" in the master's studies and the issue "Yacht and Marina Technology" in the third year of bachelor studies

- **From 1 July 2012**

Name and address of the Employer: **Institute Dr. Simo Milošević Igalo JSC**

Job position: **Executive Director** (from 1 July 2012 to 1 September 2013)

Advisor to the Board of Directors (from 1 September 2013 to September 2015)

Chairman of the Board of Directors (from 1 September 2015 to November 2018)

Advisor in Institute Dr Simo Milošević JSC (November 2018 to 1 December 2023))

Executive Director (present full time job)

Main tasks and responsibilities: As the Igalo Institute Executive Director, I managed a company with over 800 employees and capacities of 1400 beds and total number of 200 000 overnight stays. At the position of Executive Director, the company made significant progress in financial operations, both in the revenue and in the cost, new products for markets were introduced and the number of arrivals was increased. As the Advisor to the Board of Directors, at the request of Board members, participated in consultations related mainly to the economic aspects of the company's operations. As the Chairman of the

Board of Directors, on behalf of the owner, put into the effect the activities of monitoring and directing the operations of the company, in accordance with the law and the Statute of the Institute.

• **From 1 August 2007 to 1 July 2012**

Name and address of the Employer: **Adriatic Shipyard JSC Bijela**

Job position: **Advisor to the Chairman of the Board of Directors** (from 1 August 2007 to 1 July 2011)

Secretary of the Shipyard (from 1 July 2011 to 1 July 2012)

Main tasks and responsibilities: as the Advisor to the Chairman of the Board of Directors specially engaged in the project of introducing the **yachting program** into the production process of the Shipyard. As the Secretary of the company, performed all tasks within the competence of the Secretary according to the law and the Shipyard Statute. In addition, managed the Secretariat, which includes the Work Units, Personnel, Legal Affairs, Internal Audit, Standard and Development.

From 1 May 2012 to 1 October 2015

Name of the Employer: **Public Enterprise for the Management the Coastal Region of Montenegro**

Job position: **Member of the Board of Directors**

EDUCATION

- **Faculty of Economics, Niš** - Ph.D. at the Department of Tourism Management

The topic of the Doctoral Dissertation "The Role of Nautical Tourism in the Sustainable Development of Montenegro"

- **Faculty of Economics, Belgrade** - Master studies - Department of Tourism Management

The topic of the Master Thesis: "The Role of Nautical Tourism in the Process of Creating a Tourism Product of Montenegro"

- **Faculty of Economics, Belgrade** - Specialist Studies - Department of Tourism
Specialist of Marketing Management of Tourism Product

- **Faculty of Maritime Studies, Kotor**
Bachelor with Honours in Maritime Engineering – Department of Organization

- **General High School** Ivan Goran Kovačić Herceg Novi

Languages

Native Language - **Montenegrin**

Foreign language— **English**

- Reading [level: advanced, intermediate, basic]
- Writing [level: advanced, intermediate, basic]

- Pronunciation [level: advanced, intermediate, basic]

Social Abilities and Skills

In the Adriatic Shipyard Bijela, successfully managed the administration, consisted of several working units of various activities.

Lectured at the Faculty of Management in Herceg Novi: Business Management, Business Communication and Fundamentals of Management.

As the Executive Director of the Igalo Institute, I demonstrated the ability to successfully manage an extremely heterogeneous business system, which in its structure implies medical, hotel-tourist and technical-technological subsystem with the accompanying services, economic-financial, purchasing, legal and marketing.

As a member of the Board of Directors of the Public Enterprise for the Management of the Coastal Region of Montenegro, participated in the development of a public company's development policy that is in charge of coastal management as one of the most important Montenegrin economic resources.

Technical Abilities and Skills

Computer skills: MS Office, Internet, Photoshop

Artistic Abilities and Skills

Finished Elementary Music School in Herceg Novi - piano

Driving License

- A and B category (road vehicles);
- International Certificate for Operator of Pleasure Craft

LIST OF PUBLICATIONS

- „*The Role of Nautical Tourism in Development of Tourist Economy of Montenegro*“ 9th Paneuropean Shipping Conference (ISSN 1847-0106) Str. 13-31. Split, 2008.
- „*Implementation of Marketing Concept in Establishment of Tourist Development Policy Nautical System of Montenegro*“ 4th International Symposium of Industrial Engineering – (ISBN 978-86-7083-681-5) str. 50-57 Industrial Engineering Department Faculty of Mechanical Engineering University of Belgrade and Steinbeis Advanced Risk Technologies Stuttgart, Germany 2009.
- „*Restructuring of Adriatic Shipyard Bijela to Comply Yachting Market as One of Segments in Overall Economic Development of Montenegro*“ – Tehnika (ISSN 0040-2176) – Menadžment (ISSN 1450-9911) Vol.60 Br.1 Str.7-16 Beograd, 2010.
- "Regional cooperation in the development of nautical tourism on the eastern coast of the Adriatic" International Scientific Conference - Regional Development and Demographic Flows of Southeast Europe, (co-author S. Đekić), p. 143-152, - Faculty of Economics Nis, 2010.

- „*Planning and Developing Human Resources As a Factor of Improving The Competitiveness of Montenegrin Nautical Tourism*“, *Ekonomске teme* (ISSN 0353-8648), Vol 56 (2), Str. 269-281, Niš, 2018.
- „*Development Outlook Of The Nautical Tourism in Montenegro*“, The International Science Conference SER 2018., „New Trends and Best Practices in Socioeconomic Research“ (ISBN 978-9940-673-18-5) COBISS. CG-ID 35499792, Herceg Novi, 2018.
- „*The Role of Health Tourism in Enhancing The Competitiveness of Herceg Novi Tourist Destination*“, The International Science Conference SER 2019., „New Trends and Best Practices in Socioeconomic Research“ (ISBN 978-9940-673-18-5) COBISS. CG-ID 35499792, Herceg Novi, 2019.
- *Differentiation of the nautical tourist destination Boka Kotorska with the offer of rural tourism*“, The first international scientific conference for the development of rural tourism "Sustainable and responsible development in rural tourism" (ISBN: 978-953-49270-0-7), Vimal Academy, Zagreb 2020.
- „*Management Framework for Sustainable Nautical Destination Development: The Case of Montenegro*“ (co-author S. Š. Ivošević), *Sustainability* 2022, Volume 14, Issue 18, 11476, Basel 2022.
- „*The Impact of Marketing Information on the Decisions of Nautical Tourists Visiting Eastern Adriatic Region*“ (co-author S.Š. Ivošević, T. P. Jugović) *Časopis Pomorskog fakulteta Kotor – Journal of Maritime Sciences (JMS)* Vol. 24, No. 1/2023; Kotor 2023.
- *Yachting Industry in Montenegro: A Panel Discussion on Management, Marketing and Sustainable Development* (S.Š. Ivošević, D. Milošević, N. Banović, Z. Kovačević, T.P. Jugović) 10th International Maritime Science Conference ~ May 8th & 9th Solin-Croatia 2023.

PRILOG #6 PISMA NAMJERE KOMPANIJA

Poštovani,

U ime kompanije **Adriatic Marinas d.o.o.**, koja upravlja lukom nautičkog turizma „Porto Montenegro“, ovim putem izražavamo punu podršku inicijativi Univerziteta Crne Gore, Pomorskog fakulteta Kotor i Instituta za biologiju mora, za organizaciju i akreditaciju programa cjeloživotnog učenja, ljetnje škole, pod nazivom „**Održivi razvoj jahting i kruzing industrije**“.

Svjesni značaja obrazovanja i razvoja kadrova u oblasti jahting i kruzing industrije, spremni smo da pružimo stručnu i logističku podršku organizaciji pomenute škole. U okviru naše podrške, omogućićemo posjetu polaznika školi našoj marini, gdje će imati priliku da se, kroz predavanja i praktične prikaze naših eksperata, upoznaju sa savremenim principima upravljanja marinama, održivim poslovanjem i inovativnim praksama u jahting industriji.

Smatramo da će ovakav program značajno doprinijeti jačanju stručnih znanja i vještina učesnika, promociji održivog razvoja u jahting i kruzing industrije, te jačanju veze između akademske zajednice i privrede.

Rado ćemo i u budućnosti podržavati ovakve inicijative koje doprinose razvoju ljudskih resursa i održivom razvoju plave ekonomije u Crnoj Gori i regionu.

S poštovanjem,

Roddy Blair

Marina Manager

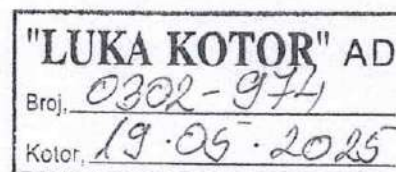
Adriatic Marinas d.o.o.

03.06.2025.godine



 PORT OF KOTOR	"Luka Kotor" A.D. Kotor		žr: 510-2293-48 Crnogor. kom. banka žr: 520-20700-55 Hipotek. banka A.D. žr: 535-10629-08 Prva banka CG
	Park Slobode br.1; 85330; Kotor; Crna Gora tel.cen./fax ++382 32 325 573; komerc.: ++38232322344 izv. dir: ++382 32 325 571; računov.: ++382 32 325 572 www.portofkotor.com ; e-mail: portofkotor@t-com.me PIB: 02044188; PDV: 92/31-00023-8		 sertifikovana prema ISO 9001 i ISO 14001
Dokumentacija kvaliteta	LKO 01	Izdanje 1/14	Dopuna

Poštovani,



U ime kompanije „Luka Kotor“ A.D. Kotor, koja upravlja lukom za pružanje usluga brodovima na kružnim putovanjima, ovim putem izražavamo punu podršku ponovnoj akreditaciji programa cjeloživotnog učenja, ljetnje škole, pod nazivom „Održivi razvoj jahting i kruzing industrije“, koju smo podržavali i u prethodnom periodu.

Prepoznajući značaj obrazovanja budućih stručnjaka u oblasti pomorskog turizma, upravljanja lukama i održivog razvoja, spremni smo da i dalje pružamo stručnu i logističku podršku realizaciji ovog programa. U okviru podrške, polaznicima ljetnje škole omogućićemo posjetu našoj luci, gdje će se kroz predavanja i praktične prikaze upoznati sa procesima operativnog upravljanja kruzing lukom, sprovođenjem sigurnosnih i ekoloških standarda, kao i izazovima i trendovima u održivom razvoju kruzing turizma.

Smatramo da će ovakav program značajno doprinijeti podizanju nivoa znanja i kompetencija polaznika ovog programa, afirmaciji održivih praksi u sektoru kruzing industrije, te unapređenju saradnje između akademske zajednice i privrednog sektora.

S poštovanjem,

Ljubomir Radović

Vd izvršnog direktora

Luka Kotor A.D.

Kotor, 19.05.2025.godine



**PRILOG #7 PRAVILNIK UCG O NAČINU KORIŠĆENJA
SREDSTAVA I OSTALIM PRIMANJIMA ZAPOSLENIH NA
PROJEKTIMA, NA POSLOVIMA SA TRŽIŠTA, AKREDITOVANIM
SAMOFINANSIRAJUĆIM STUDIJSKIM PROGRAMIMA KOJI SE
IZVODE NA JEZICIMA KOJI NIJESU U ZVANIČNOJ UPOTREBI U
CRNOJ GORI I U OKVIRU POSEBNIH OBLIKA NASTAVE**

Na osnovu člana 24 stav 1 tačka 6, a u vezi sa članom 160 Statuta Univerziteta Crne Gore i člana 35 Kolektivnog ugovora za Univerzitet Crne Gore („Službeni list Crne Gore“, br. 69/16 i 76/19), Upravni odbor Univerziteta Crne Gore, na sjednici od 25. marta 2021. godine, donio je

P R A V I L N I K

o načinu korišćenja sredstava i ostalim primanjima zaposlenih na projektima, na poslovima sa tržišta i u okviru posebnih oblika nastave

OSNOVNE ODREDBE

Član 1

Ovim pravilnikom bliže se uređuju način korišćenja sredstava Univerziteta Crne Gore i organizacionih jedinica prihodovanih od školarina, na projektima, na poslovima sa tržišta i u okviru posebnih oblika nastave (formalno, neformalno, informalno obrazovanje, kursevi i dr), kao i ostala primanja zaposlenih po ovom osnovu.

Član 2

Organizaciona jedinica je u obavezi da izdvaja u budžet Univerziteta Crne Gore (u daljem tekstu: Univerzitet) sredstva propisana čl. 3, 4, 5, 6 i 7 ovog pravilnika.

Od obaveze iz stava 1 ovog člana mogu biti izuzeti prihodi od projekata finansiranih iz međunarodnih i nacionalnih fondova, donacije i drugi prihodi od neprofitnih djelatnosti i koji imaju isključivo razvojnu namjenu i strukturu, uz saglasnost Upravnog odbora Univerziteta Crne Gore.

Primjena stava 1 ovog člana ne odnosi se na djelatnosti definisane članom 156 Statuta Univerziteta Crne Gore.

Principi iz st. 1 i 2 ovog člana odnose se i na prihode ostvarene neposredno na nivou Rektorata.

Način korišćenja sredstava

Član 3

Način korišćenja sredstava utvrđuje se prema karakteru prihoda, pri čemu se izdvajaju sljedeće kategorije:

- a) prihodi od školarina na akreditovanim studijskim programima;
- b) prihodi od školarina na akreditovanim samofinansirajućim studijskim programima koji se izvode na jezicima koji nijesu u zvaničnoj upotrebi u Crnoj Gori;
- c) prihodi od školarina iz posebnih oblika nastave (formalno, neformalno, informalno obrazovanje, kursevi, obuke i dr.)
- d) prihodi od usluga na tržištu odnosno iz komercijalno-stručne djelatnosti;
- e) prihodi od projekata finansiranih iz međunarodnih i nacionalnih fondova, donacije i drugi prihodi od neprofitnih djelatnosti.

Sredstava prihodovana po osnovu školarina na akreditovanim studijskim programima

Član 4

Od prihoda ostvarenih od školarina na akreditovanim studijskim programima organizaciona jedinica izdvaja 55% u fond za razvoj organizacione jedinice (u daljem tekstu: fond R). Preostala sredstva (45%) prenose se u budžet Univerziteta.

Organizaciona jedinica je dužna da prenos sredstava u budžet Univerziteta, u skladu sa stavom 1 ovog člana, izvrši najkasnije do 5. u mjesecu za prethodni mjesec.

Način korišćenja fonda R uređuje se članom 9 ovog pravilnika.

Sredstva od školarina na akreditovanim samofinansirajućim studijskim programima koji se izvode na jezicima koji nijesu u službenoj upotrebi u Crnoj Gori

Član 5

Od prihoda ostvarenih od školarina na akreditovanim samofinansirajućim studijskim programima koji se izvode na jezicima koji nijesu u službenoj upotrebi u Crnoj Gori, organizaciona jedinica izdvaja 15% u budžet Univerziteta, a 15% u fond R.

Preostala sredstava (70%) koriste se za troškove realizacije ugovorenih poslova.

Pod troškovima realizacije podrazumijevaju se troškovi materijala, troškovi opreme, troškovi za zarade angažovanih lica i ostali troškovi.

Sredstava od školarina iz posebnih oblika nastave (formalno, neformalno, informalno obrazovanje, kursevi i dr.)

Član 6

Od prihoda ostvarenih u okviru posebnih oblika nastave (formalno, neformalno, informalno obrazovanje, kursevi i dr.) organizaciona jedinica izdvaja 15% u budžet Univerziteta, a 15%, u fond R.

Preostala sredstava (70%) koriste se za troškove realizacije ugovorenih poslova.

Pod troškovima realizacije podrazumijevaju se troškovi materijala, troškovi opreme, troškovi za zarade angažovanih lica, troškovi usavršavanja osoblja i ostali troškovi.

Prihod od usluga na tržištu odnosno iz komercijalno-stručne djelatnosti

Član 7

Od prihoda ostvarenih od usluga na tržištu, odnosno iz komercijalno-stručne djelatnosti, organizaciona jedinica izdvaja: 5 % u budžet Univerziteta, 5% u fond R i 5 % u Fond za podršku naučno-istraživačke, projektne i inovativne djelatnosti.

Preostala sredstava (85%) koriste se za troškove realizacije ugovorenih poslova.

Pod troškovima realizacije podrazumijevaju se troškovi materijala, troškovi opreme, troškovi za zarade angažovanih lica i ostali troškovi. U ove troškove moraju se uključiti troškovi angažmana lica zaposlenih u službi računovodstva Univerziteta, odnosno organizacionih jedinica u iznosu do 5% ukupnih sredstava predviđenih za pokriće troškova angažovanih lica

Primanja angažovanih lica za kategoriju poslova iz ovog člana ograničavaju se na mjesečnom nivou na najviše tri osnovne bruto zarade iz člana 20 Kolektivnog ugovora za Univerzitet Crne Gore, osim za rukovodioca djelatnosti kome se primanja ograničavaju na mjesečnom nivou na najviše četiri osnovne bruto zarade iz člana 20 Kolektivnog ugovora za Univerzitet Crne Gore.

Sredstva koja preostanu nakon realizacije planiranih projektnih aktivnosti predstavljaju višak i kompletno se uključuju u fond R.

Navedene kategorije troškova, nivo viška i ostali relevantni elementi iskazuju se kroz ugovor o zaključenom poslu, odnosno u planu projekta i ugovoru koji sa rukovodiocem projekta i članovima projektnog tima zaključuje ovlašćeno lice organizacione jedinice, odnosno Univerziteta, uz pribavljanje saglasnosti u skladu sa članom 70, odnosno članom 41 Statuta Univerziteta Crne Gore.

Prihodi od projekata finansiranih iz međunarodnih i nacionalnih fondova, donacije i drugi prihodi od neprofitnih djelatnosti

Član 8

Sredstava prihodovana od projekata finansiranih iz međunarodnih i nacionalnih fondova, donacije i drugi prihodi od neprofitnih djelatnosti, koriste se u skladu sa ugovorenom strukturom sredstava, uz pribavljanje saglasnosti u skladu sa članom 70, odnosno članom 41 Statuta Univerziteta Crne Gore.

Rukovodioci projekata su dužni da iz raspoloživih prihoda pokriju troškove koji se odnose na angažman zaposlenih u službi računovodstva, kao i angažman drugog neakadenskog osoblja, osim ukoliko pravila finansiranja projekata ili drugih aktivnosti, ne predviđaju drugačije.

Način raspodjele sredstava iz fonda R

Član 9

Ukupna sredstva fonda R koriste se u skladu sa finansijskim planom, na način da se izdvajaju za:

- investicije, održavanje objekata i opreme, nabavku opreme i literature, izdavačku djelatnost, preplate za specijalizovane softvere neophodne za poslovanje stručnih službi i dr;
- finansiranje programa mobilnosti i istraživanja, učešće na naučnim i stručnim skupovima, kao i za organizaciju takvih skupova; za unapređenje naučnog istraživanja, odnosno umjetničkog rada i dr. (kotizacije za seminare, preplate na baze i stručne časopise, putne naloge, stručne prevode za časopise, kotizacije za časopise, i sl.);

- materijalne troškove poslovanja;
- druge troškove u funkciji obavljanja djelatnosti (naknade za rad člana komisije, savjetodavnog tijela, radnog tijela, radne grupe ili drugog oblika rada, pod uslovom da je rad akademskog i neakademskog osoblja obavljen van okvira redovnih radnih zadataka i da je podnjet izvještaj o radu (najviše 20% fonda R);
- ostale troškove poslovanja koji nijesu obuhvaćeni prethodnim kategorijama (jubilarne nagrade, pomoć zaposlenima, prenos studentskim organizacijama i sl) -najviše 15% fonda R.

Član 10

U slučaju nastanka nepovoljnih okolnosti ili događaja po poslovanje Univerziteta Crne Gore, a sve u cilju boljeg upravljanja rizicima, rektor će zatražiti saglasnost Upravnog odbora za preusmjeravanje sredstava sa pozicija organizacionih jedinica sa kojih je to u datom trenutku moguće.

ZAVRŠNE ODREDBE

Član 11

Danom stupanja na snagu ovog pravilnika prestaje da važi Pravilnik o načinu korišćenja sredstava i ostalim primanjima zaposlenih na projektima, na poslovima sa tržišta, akreditovanim samofinansirajućim studijskim programima koji se izvode na jezicima koji nijesu u zvaničnoj upotrebi u Crnoj Gori i u okviru posebnih oblika nastave (Bilten UCG, br. 387/16, 416/17, 480/19 i 484/20)

Član 12

Ovaj pravilnik stupa na snagu osmog dana od dana objavljivanja u Biltenu Univerziteta Crne Gore.

Broj: 02-100/2

Podgorica, 25.03.2021. godine

UPRAVNI ODBOR UNIVERZITETA CRNE GORE

Predsjednica,

Prof. dr Rajka Glušica, s.r.

UPUTSTVO

O NAČINU KNJIŽENJA IZDVAJANJA SREDSTAVA UPLAĆENIH NA OSNOVNI RAČUN ORGANIZACIONE JEDINICE

u iznosima koje je definisao Pravilnik o načinu korišćenja sredstava i ostalim primanjima zaposlenih na projektima, na poslovima sa tržišta i u okviru posebnih oblika nastave.

Primjer:

Student XX je uplatio na ime školarine iznos od 1000€ na račun organizacione jedinice.

A. Način evidentiranja uplate-školarine u skladu članom 4 Pravilnika kod organizacione jedinice

	Duguje	Potražuje
1) 1 Žiro račun (osnovni) organizacione jedinice.....	1000€	
9 Korektivni konto		1000€
- knjiženje uplate školarine kod organizacione jedinice		
1a) 1 Žiro račun (osnovni) organizacione jedinice		450€
9 Korektivni konto	450€	
- knjiženje izdvajanja sredstava za budžet Univerziteta od 45% kod organizacione jedinice		
1b) 1 Žiro račun (osnovni) organizacione jedinice		550€
9 Korektivni konto	550€	
- knjiženje izdvajanja sredstava sa osnovnog računa u Fond R na novootvoreni namjenski račun organizacione jedinice od 55%.		
2) 1 Žiro račun Fond R (namjenski novootvoreni račun).....	550€	
7 prihod od školarine		550€
- knjiženje uplaćenih sredstava u Fond R organizacione jedinice kod izdvajanja od 55%		

A.1 Način evidentiranja uplate-školarine u skladu članom 4 Pravilnika kod Univerziteta Crne Gore - Rektorata

- Univerzitet Crne Gore - Rektorat uplatu od strane organizacione jedinice od 450€ evidentirati na sljedeći način:

1) 1 Žiro račun Univerziteta Crne Gore - Rektorata	450€	
7 prihod od školarine		450€

- knjiženje uplaćenih sredstava u budžet UCG u viisini od 45% izdvajanja od strane organizacione jedinice

B. Način evidentiranja uplate-školarine u skladu članom 5 i 6 Pravilnika kod organizacione jedinice

	Duguje	Potražuje
1) 1 Žiro račun (osnovni) organizacione jedinice.....	1000€	
7 Prihodi od školarina, kurseva.....		700€
9 Korektivni konto		300€
- knjiženje uplate školarine kod organizacione jedinice		
1a) 1 Žiro račun (osnovni) organizacione jedinice		150€
9 Korektivni konto	150€	
- knjiženje izdvajanja sredstava za budžet Univerziteta od 15% kod organizacione jedinice		
1b) 1 Žiro račun (osnovni) organizacione jedinice		150€
9 Korektivni konto	150€	
- knjiženje izdvajanja sredstava sa osnovnog računa u Fond R na novootvoreni namjenski račun organizacione jedinice od 15%.		
2) 1 račun Fond R (namjenski novootvoreni račun).....	150€	
7 prihod od školarine		150€
- knjiženje izdvajanja sredstava u Fond R organizacione jedinice od 15%		

B.1 Način evidentiranja uplate-školarine u skladu članom 5 i 6 Pravilnika kod Univerziteta Crne Gore - Rektorata

- Univerzitet Crne Gore - Rektorat uplatu od strane organizacione jedinice od 150€ evidentirati na sljedeći način:

1) 1 Žiro račun Univerziteta Crne Gore - Rektorata	150€	
7 prihod od školarine		150€
- knjiženje uplaćenih sredstava u budžet UCG u viisini od 15% izdvajanja od strane organizacione jedinice		

C. Način evidentiranja uplate-školarine u skladu članom 7 Pravilnika kod organizacione jedinice

Primjer:

Pravno lice XX je platilo fakturu preko izvoda na ime izvršene usluge organizacionoj jedinici na osnovni račun iznos od 1210€ (1000€ je iznos bez PDV-a).

	Duguje	Potražuje
1) 1 Žiro račun (osnovni) organizacione jedinice.....	1210€	
7 Prihodi od usluga (neto)		850€
9 Korektivni konto PDV.....		210€
(pogledati i primijeniti knjiženje PDV-a kako je definisano u procedurama-Bilten 341/15)		
9 Korektivni konto (izdvajanje 15%).....		150€
- knjiženje uplate fakture od strane kupca kod organizacione jedinice(dio knjiženja)		
1a) 1 Žiro račun (osnovni) organizacione jedinice		50€
9 Korektivni konto	50€	
- knjiženje izdvajanja sredstava za budžet Univerziteta od 5% kod organizacione jedinice		
1b) 1 Žiro račun (osnovni) organizacione jedinice		50€
9 Korektivni konto	50€	
- knjiženje izdvajanja sredstava od 5% sa osnovnog računa u Fond za podršku naučno-istraživačke, projektne i inovativne djelatnosti koji se vodi kod UCG-Rektorata.		
1c) 1 Žiro račun (osnovni) organizacione jedinice		50€
9 Korektivni konto	50€	
- knjiženje izdvajanja sredstava sa osnovnog računa u Fond R na novootvoreni namjenski račun organizacione jedinice od 5%.		
2) 1 Žiro račun - Fond R (namjenski novootvoreni račun).....	50€	
7 prihod od usluga		50€
- knjiženje izdvajanja sredstava u Fond R organizacione jedinice od 5% kod organizacione jedinice		

C.1 Način evidentiranja uplate-prihoda sa tržišta u skladu članom 7 Pravilnika kod Univerziteta Crne Gore - Rektorata

- Univerzitet Crne Gore - Rektorat uplate od strane organizacione jedinice od po 50€ evidentirati na sljedeći način:

1) 1 Žiro račun Univerziteta Crne Gore - Rektorata50€

7 prihod od usluga sa tržišta 50€

- knjiženje uplaćenih sredstava u budžet UCG u viisini od 5% izdvajanja od strane organizacione jedinice

2) 1 Žiro račun Univerziteta Crne Gore - Rektorata50€

7 prihod od usluga sa tržišta (Fond za podršku NI, projektne i inovativne djel.)..... 50€

- knjiženje uplaćenih sredstava u Fond za podršku naučno-istraživačke, projektne i inovativne djelatnosti koji se vodi kod UCG-Rektorata u visini od 5% izdvajanja od strane organizacione jedinice.

Napomena: Način korišćenja fonda R uređuje se članom 9 Pravilnika..

Broj: 02-100/2-1
Podgorica, 25.03.2021. godine

UPRAVNI ODBOR UNIVERZITETA CRNE GORE

Predsjednica,
Prof. dr Rajka Glušica, s.r.

**PRILOG #8 PRAVILA ZA PROGRAME CJELOŽIVOTNOG
UČENJA NA UNIVERZITETU CRNE GORE**

**PRAVILA
ZA PROGRAME CJELOŽIVOTNOG UČENJA
NA UNIVERZITETU CRNE GORE**

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Na osnovu člana 32 stav 1 tačka 16, a u vezi sa članom 125 Statuta Univerziteta Crne Gore, a u vezi sa članom 11 Odluke o programima cjeloživotnog učenja na Univerzitetu Crne Gore, br.03-1121 od 10.02.2020. godine, Senat Univerziteta Crne Gore, na sjednici održanoj 10.02.2020. godine donio je

PRAVILA ZA PROGRAME CJELOŽIVOTNOG UČENJA NA UNIVERZITETU CRNE GORE

I OPŠTE ODREDBE

Predmet

Član 1

Ovim pravilima bliže se uređuje organizacija, finansiranje i izvođenje programa cjeloživotnog učenja (u daljem tekstu programi CŽU), upis, vrednovanje rada, izdavanje isprava i dodjeljivanje sertifikata polaznicima, kao i druga pitanja od značaja za realizaciju visokog obrazovanja kroz programe CŽU na Univerzitetu Crne Gore (u daljem tekstu: Univerzitet).

Član 2

Programi CŽU obuhvataju oblike visokog obrazovanja organizovanog na Univerzitetu i Organizacionim jedinicama (u daljem tekstu: Jedinice) van i u okviru studijskih programa za koje su akreditovani.

Član 3

U osnovi koncepta CŽU je usvajanje ključnih kompetencija koje predstavljaju prenosivi i funkcionalni skup znanja, vještina i stavova potrebnih svakom pojedincu za njegovo lično ostvarenje, razvoj i uspjeh na tržištu rada, a posebno se odnose na: komunikaciju na maternjem jeziku i/ili stranim jezicima, matematičke kompetencije, kompetencije u oblasti prirodnih nauka, inženjerstva i tehnologije, digitalne kompetencije, kompetencije učenja i poučavanja, kompetencije za organizaciju sopstvenog i tuđeg vremena, za prikupljanje, analizu i vrednovanje informacija, socijalne i građanske kompetencije, kompetencije za inicijativnost, preduzetništvo i menadžment, kompetencije za njegovanje kulture i nacionalnog identiteta, kreativno i umjetničko izražavanje.

Član 4

Na pitanja koja su ista kod programa CŽU i studijskih programa shodno će se primjenjivati odredbe Pravila studiranja na osnovnim studijama i Pravila studiranja na postdiplomskim studijama.

Pojmovi

Član 5

Sertifikat/diploma (Certificate/Diploma)

Službeni dokument za to zaduženog tijela kojim se formalno verifikuju postignuća pojedinca na osnovu standardizovanog postupka procjene. Sertifikatza završeni program CŽU treba da bude prepoznat u skladu sa politikom CŽU.

Cjeloživotno učenje (Lifelong Learning)

Određuje se kao sveukupna aktivnost učenja tokom života sa ciljem unapređenja znanja, vještina i kompetencija u vezi lične, građanske, društvene perspektive i/ili perspektive zaposlenja. Obuhvata učenje u svim životnim razdobljima (od rane mladosti do starosti) i u svim oblicima u kojima se ostvaruje (formalno, neformalno i informalno).

Formalno učenje (Formal Learning)

Djelatnost akreditovane ustanove koja se izvodi prema odobrenim programima sa ciljem unapređenja znanja, vještina i kompetencija za lične, društvene i profesionalne potrebe. Učenje je tipično u ustanovama za osposobljavanje i obrazovanje, strukturirano (u smislu ciljeva učenja, vremena učenja i podrške učenju) i za koje se izdaje formalna potvrda. Formalno učenje je namjerno sa tačke gledišta onoga koji uči.

Informalno učenje (Informal Learning)

Učenje koje rezultira iz dnevnih aktivnosti vezanih uz posao, porodicu ili slobodno vrijeme. Nije organizovano ili strukturirano u smislu ciljeva, vremena ili podrške učenju. Informalno učenje je u većini slučajeva nenamjerno iz perspektive onog koji uči.

Ishodi učenja (Learning Outcomes)

Rezultati procesa učenja; stečeni repertoari ponašanja, stečena znanja i vještine; razvijene kompetencije u različitim područjima.

Kurikulum (Curriculum)

Skup aktivnosti koje se vezuju uz definisanje obrazovnog programa ili programa osposobljavanja. Odnosi se na sadržaj (materijal koji treba naučiti) i proces učenja (akcije i izvori povezani s učenjem i poučavanjem). Uključuje definisanje obrazovnih ciljeva, sadržaja, metoda (uključujući ocjenjivanje), materijala i organizacije osposobljavanja za realizaciju obrazovanja.

Kvalifikacija (Qualifications)

Kvalifikacija - formalni ishod procesa ocjenjivanja i vrednovanja koja se stiče kada kompetentno tijelo utvrdi da je lice dostiglo ishode učenja prema zadatim standardima.

Tipovi kvalifikacije su:

kvalifikacija nivoa
obrazovanja, stručna
kvalifikacija, druge
kvalifikacije.

Nacionalni okvir kvalifikacija-NOK (National Qualifications Framework)

Instrument uspostavljanja kvalifikacija stečenih u određenoj zemlji, odnosno okvir za klasifikovanje kvalifikacija u skladu sa kriterijima za njihovo sticanje kojim se daju osnove za jasnoću, stepene, prohodnost, sticanje i kvalitet kvalifikacija.

Kvalifikacija nivoa obrazovanja (Qualification Level of Education)

Kvalifikacija nivoa obrazovanja, stečena kroz programe formalnog obrazovanja znači dostizanje nivoa obrazovanja (stepena stručne sprema) i omogućava nastavak obrazovanja, ali i uključivanje na tržište rada. **Potvrđuju se diplomom.**

Visoko obrazovanje obezbjeđuje VI, VII i VIII referentni nivo kvalifikacija.

U nivo šest (VI) spadaju:

kvalifikacije visokog obrazovanja (180 kredita CSPK¹-a);
stručne kvalifikacije ili dio stručne kvalifikacije sa minimum jednim kreditom
CSPK-a

U podnivo jedan (VII1) spadaju:

kvalifikacije visokog obrazovanja (240, 180+60, 300, odnosno 360 kredita - CSPK-a).

¹ U Zakonu o nacionalnom okviru kvalifikacija termini **ECTS** krediti su zamijenjeni sa terminima **CSPK** krediti (CRNOGORSKISISTEM PRENOSA KREDITA).

stručna kvalifikacija ili dio stručne kvalifikacije sa minimum jednim kreditom CSPK-a.

U podnivo dva (VII2) spadaju:

kvalifikacije visokog obrazovanja (180+120 ili 240+60 kredita CSPK-a);
stručne kvalifikacije ili dio stručne kvalifikacije sa minimum jednim kreditom CSPK-a.

U nivo osam (VIII) spadaju:

kvalifikacije visokog obrazovanja (300+180 kredita CSPK-a);
stručne kvalifikacije ili dio stručne kvalifikacije sa minimum jednim kreditom CSPK-a.

Stručna kvalifikacija (Professional Qualifications)

Stručna kvalifikacija je formalno priznata stručna osposobljenost na određenom nivou zahtjeva baziranih na standardu zanimanja. Stručna kvalifikacija se stiče završetkom dijela javno važećeg obrazovnog programa (modul, kurs), završetkom posebnog programa obrazovanja i nakon provjere znanja za dostizanje potrebnog obima kvalifikacije.

Druge kvalifikacije su kvalifikacije koje se stiču izvan programa stručnih kvalifikacija.

Modul (Modul)

Dio studijskog programa, odnosno programa visokog obrazovanja, sa definisanom strukturom koja obezbjeđuje **ishode učenja** potrebne za sticanje znanja, vještina i kompetencija potrebnih za obavljanje **povezanih zadataka** iz djelatnosti visokog obrazovanja definisanih u nacionalnom okviru kvalifikacija.

Neformalno učenje (Non-formal Learning)

Učenje uklopljeno u planirane opšte ili strukovne aktivnosti koje nisu eksplicitno određene kao učenje (u smislu ciljeva učenja, vremena učenja ili podrške učenju). Obuhvata i neformalno obrazovanje i neformalno osposobljavanje. Neformalno učenje je namjerno sa tačke gledišta onog koji uči. Koristi se za označavanje organizovanih aktivnosti učenja sa ciljem unapređenja znanja, vještina i kompetencija, a za koje se ne izdaje javna isprava.

Osnovne vještine (Basic Skills)

Vještine potrebne svakoj osobi za učestvovanje u savremenom društvu, kao što su slušanje, govor, čitanje, pisanje i matematika.

Obrazovanje koje se zasniva na istraživanju (Enquiry-based Education)

Obrazovanje u kojem se svaki skup aktivnosti učenja shvata kao problem koji treba riješiti i zaključiti otkrićem.

Politika cjeloživotnog učenja (Lifelong Learning Policy)

Pristup po kojem je cjeloživotno učenje predmet posebne javne politike. Ta je politika šira od obrazovne (uključuje elemente socijalne, privredne i kulturne politike) i shvata se kao ciklus koji se sastoji od definisanja problema, utvrđivanja alternativnih odgovora, vrednovanja opcija, odlučivanja, implementacije i vrednovanja rezultata, a čije stvaranje je određeno sa tri elementa: vlast (specifično određena u procesima globalizacije i integracije), ekspertiza (ekspertska tijela koja utvrđuju probleme i predlažu rješenja) i poredak (zajedničko razumijevanje načina na koji će različiti učesnici participirati u pojedinim aktivnostima). Posljednjih godina politika cjeloživotnog učenja dobijaju sve važnije mjesto u javnim politikama, tako su u Evropskoj uniji prepoznate kao jedan od ključnih instrumenata za ostvarenje njenih ciljeva, kao što su strateški ciljevi određeni Lisabonskom deklaracijom.

Priznavanje vještina i kompetencija (Recognition of Competences)

1. *Formalno priznavanje vještina i kompetencija, čime se potvrđuje njihov službeni status. Potvrda može biti u obliku svjedočanstva, uvjerenja, kredita, priznavanja stečenih kompetencija.*
2. *Socijalno priznavanje odnosi se na uvažavanje vrijednosti vještina i kompetencija, koje su priznali socijalni i privredni partneri.*

Studijski program (Study Program)

Osnovna jedinica za klasifikaciju visokog obrazovanja sa definisanom strukturom koja pojedincu obezbjeđuje **ishode učenja potrebne za sticanje stepena, odnosno znanja, vještina i kompetencija u području rada** iz nivoa visokog obrazovanja definisanih u nacionalnom okviru kvalifikacija.

Vještine (Skills)

Vježbom, odnosno učenjem stečena spretnost koju karakteriše naučen niz sistematično organizovanih operacija ili radnji koje pojedinac umije dovoljno dobro i dovoljno brzo da izvede sa ciljem ostvarenja nekog zadatka. U kontekstu Evropskog okvira kvalifikacija vještine su određene kao spretnost da se primijeni znanje i upotrijebi propisan način rada za obavljanje zadataka i rješavanje problema. Mogu biti kognitivne (uključujući upotrebu logičkog, intuitivnog i kreativnog mišljenja) ili praktične (uključujući manualnu spretnost i korišćenje metoda, materijala, alata i instrumenata).

Zapošljivost (Employability)

Spretnost i prilagodljivost koju osoba iskaže u pronalaženju i zadržavanju posla kao i održavanju profesionalnih vještina. Zapošljivost ne zavisi samo od odgovarajućeg znanja i vještina osobe, nego i od podsticaja i prilika koje se nude osobi koja traži zaposlenje. Podsticanje zapošljivosti uključuje omogućavanje nezaposlenima da steknu vještine i znanja koja se traže na tržištu rada.

Part-time studiranja

Način studiranja koji omogućava *usporeno napredovanje*, gdje svaki student može da prijavi onoliko kredita koliko procijeni da može da položi u predviđenom vremenu. Uvođenje *part- time* studiranja podrazumijeva *fleksibilan raspored predavanja i vježbi*, što bi studentima omogućilo da rade i istovremeno se školuju.

II ORGANIZACIJA PROGRAMA CŽU

Oblasti CŽU

Član 6

Programi CŽU mogu da se organizuju iz svih oblasti koji pružaju mogućnost sticanja kompetencija navedenih u članu 3 ovog pravilnika

Referentni nivo i sadržaj

Član 7

Univerzitet, odnosno jedinice organizuju programe CŽU koji su akreditovani za djelatnost visokog obrazovanja, a koji pripadaju VI i VII referentnom nivou Nacionalnog okvira kvalifikacija (u daljem tekstu NOK).

Program CŽU sadrži jedan ili više modula iz oblasti stručnih, umjetničkih i naučnih dostignuća visokog obrazovanja.

Obim i trajanje

Član 8

Obim programa CŽU određen je brojem i obimom modula iz kojih se program sastoji, a koji pojedinac treba da savlada za potrebnu kvalifikaciju.

Programi i moduli CŽU organizuju se po semestima i studijskim godinama, shodno organizaciji za studijske programe i ovim pravilima.

Obim programa koji se vrednuje brojem ECTS kredita može iznositi do 60 ECTS kredita.

Član 9

Nastava i ispiti mogu da se realizuju na maternjem ili engleskom jeziku. Nastava se realizuje po modelu *part-time* i usklađuje sa potrebama i mogućnostima polaznika programa.

Član 10

Student koji je položio sve ispite predviđene programom CŽU i ispunio ostale obaveze propisane Statutom Univerziteta i ovim pravilima stiče sertifikat o završenom programu CŽU.

Povezivanje programa sa stepenima visokog obrazovanja

Član 11

Za programe CŽU čiji obim je vrednovan brojem ECTS kredita može se primijeniti postupak akumulacije ECTS kredita, izvršiti povezivanje sa obimom potrebnim za sticanje stepena i izdavanje diplome.

Priznavanje stepena i izdavanje diplome vrši se kada su ispunjeni svi opšti i posebni uslovi definisani Zakonom o visokom obrazovanju, Statutom Univerziteta Crne Gore i pravilima studiranja za sticanje stepena i izdavanje diplome studijskih programa koji su akreditovani.

Struktura programa i podaci o modulu

Član 12

Program CŽU sadrži opšte i posebne uslove koje polaznik mora da zadovolji za sticanje znanja, vještina i kompetencija i izdavanje sertifikata o završenom programu CŽU, i to:

- Pripadnost (osnovne, postdiplomske studije), referentni nivo (VI, VII nivo NOK-a) i oblast (stručna, umjetnička, naučna oblast djelatnosti visokog obrazovanja);
- Relevantnost za tržište rada (završena potrebna istraživanja na osnovu kojih se relevantnost može dokumentovati) ili edukaciju i razvoj pojedinca;
- Nazive modula, njihovu pripadnost (obavezni, izborni, slobodni) raspored modula po semestima (studijskim godinama), broj ECTS kredita za module i ukupno za program;
- Broj časova nastave (nedjeljno i ukupno) i metode izvođenja (frontalno, diferencirano, e-learning, distance-learning) za svaku cjelinu programa CŽU;
- Ishode učenja za program CŽU;
- Obavezne uslove za praćenje nastave i provjeru znanja na predmetima;
- Vrstu isprave koja se izdaje nakon završetka programa.

Podaci o programu CŽU za odlučivanje pripremaju se u formi elaborata koji sadrži:

1. naziv programa;
2. opis programa;
3. ciljeve programa;
4. ime i prezime rukovodioca programa;
5. kratka stručna biografija rukovodioca programa;
6. spisak akademskog osoblja koji sprovode program;
7. kratke stručne biografije akademskog osoblja koje sprovodi program;

8. način izvođenja nastave ili aktivnosti programa;
9. fizičke i materijalne preduslove za izvođenje programa;
10. preduslove za upis programa;
11. troškove upisa i pohađanja programa;
12. broj predviđenih polaznika;
13. trajanje programa prema predmetima, odnosno aktivnostima sa informacionim listama za svaki, odnosno svaku pojedinačno (plan rada);
14. oblik praćenja kvaliteta nastave (anketiranje polaznika ili neki drugi način);
15. obaveze polaznika programa;
16. broj ECTS bodova koji se ostvaruje nakon završetka programa, ako se program izvodi sa ciljem sticanja ECTS bodova;
17. ishodi učenja;
18. način održavanja provjere znanja ili ispita, ukoliko su predviđeni programom;
19. vrsta i sadržaj isprave koja se dobija završetkom programa.

III TIJELA I NADLEŽNOSTI ZA PROGRAME CŽU

Član 13

Programi CŽU su posebno organizovana djelatnost na Univerzitetu. Organizacija i upravljanje je u nadležnosti Komisije za programe CŽU, rektora, Senata i Upravnog odbora Univerziteta.

Na fakultetima aktivnosti programa CŽU su u nadležnosti koordinatora za program CŽU, koga imenuje dekan, prodekana (za nastavu, nauka/razvoj i/ili saradnju sa privredom), dekana i vijeća.

Za multidisciplinarnu program aktivnosti priprema i prati tijelo sastavljeno od članova sa angažovanih fakulteta. Sastav i nadležnosti tijela definisani su u Odluci o programima CŽU².

IV USVAJANJE PROGRAMA CŽU

Pokretanje inicijativa

Član 14

Inicijativu za organizaciju programa CŽU mogu pokrenuti svi učesnici i zainteresovani subjekti u programu visokog obrazovanja (nastavnici, saradnici, studenti, administrativno osoblje, predstavnici državnih organa, društvenih organizacija, predstavnici firmi i njihovih asocijacija, organizovanih grupa građana).

Inicijativa za organizaciju programa CŽU pokreće se njenim dostavljanjem Komisiji za CŽU. Inicijativa se dostavlja u formi elaborata koja sadrži elemente definisane u članu 9 stav 2, ili izvodu iz elaborata koji sadrži elemente definisane u članu 9 stav 1.

Inicijative organizacionih jedinica Univerziteta dostavljaju se kao predlog vijeća jedinice. Za multidisciplinarnu program inicijativa se podnosi kao usaglašen predlog vijeća jedinica koje planiraju da realizuju program.

Inicijative studenata podnosi grupa od najmanje 10 studenata koji planiraju da budu polaznici programa CŽU.

² Odluka o programima cjeloživotnog učenja na Univerzitetu Cme Gore

Inicijative od strane organa, organizacija, privrednih društava i asocijacija dostavlja ovlašćeno lice.

Inicijativa grupe građana podnosi se kao potpisan predlog grupe od najmanje 10 učesnika koji planiraju da budu polaznici programa CŽU.

Razmatranje inicijativa

Član 15

Inicijative razmatra Komisija za CŽU. Nakon ocjene da inicijativa ima potrebne elementa za program, Komisija je postavlja na sajt Univerziteta za programe CŽU sa pozivom da se u predviđenom vremenskom periodu (do 2 mjeseca) dostavljaju sugestije u vezi sa inicijativom i identifikuju potencijalni polaznici. Ujedno, Komisija određuje dodatne aktivnosti i zaduženja, koje su neophodne da bi se postupak mogao uspješno nastaviti.

Nakon isteka predviđenog roka za sugestije i završetka dopunskih aktivnosti, Komisija razmatra i donosi konačan stav u vezi sa daljim postupkom. To može da bude izmjena pojedinih elemenata, dopuna, odbijanje ili prihvatanje inicijative.

U slučaju izmjene i dopune određuju se dalji postupak i termini.

Inicijativa se odbija ukoliko nijesu ispunjeni bitni uslovi da se program uspješno realizuje (nedostatak interesovanja za program, nemogućnost otklanjanja prikupljenih primjedbi, nepostojanje uslova za organizaciju nastave i sl.)

Osim inicijativa, svi zainteresovani subjekti i pojedinci mogu Komisiji dostavljati sugestije za programe CŽU. Komisija razmatra takve sugestije, ocjenjuje i dostavlja potencijalno zainteresovanim subjektima radi dopunske ocjene njihove opravdanosti. Ujedno obavještava podnosioca o daljem postupku i obavezama za pripremu inicijative.

Prihvatanje inicijativa

Član 16

Komisija prihvata inicijativu za program CŽU kada su ispunjeni svi uslovi za uspješnu organizaciju programa i definisani svi elementi u formi određenoj za njenu pripremu. Odluku o prihvatanju Komisija dostavlja predlažu za nastavak postupka. U odluci se definiše postupak akreditacije, u skladu sa Pravilima o postupku akreditacije programa cjeloživotnog učenja.

Priprema i usvajanje predloga

Član 17

Prihvaćena inicijativa programa CŽU se kompletira u formi predloga CŽU koji će se razmatrati na organima jedinica, Univerziteta i Agencija za kontrolu i obezbjeđenje kvaliteta visokog obrazovanja Cme Gore (u daljem tekstu: Agencija). Forma za pripremu je usaglašena sa pravilima za akreditaciju programa CŽU.

Predlog CŽU prihvaćen od strane Komisija za CŽU dostavlja se Senatu Univerziteta na razmatranje.

Mišljenje Senata o predloženom programu CŽU dostavlja se Upravnom odboru Univerziteta na usvajanje.

Akreditacija programa

Član 18

Programi CŽU koje je usvojio Upravni odbor Univerziteta, za koje je potrebna akreditacija, dostavljaju se Agenciji.

Rokovi za usvajanje programa

Član 19

U postupku usvajanja programa CŽU na Univerzitetu poštovaće se sljedeći rokovi:

- ✓ Provjera sugestija i formiranje stava o daljem postupku završiće se u roku do 30 dana,
- ✓ Postupak razmatranja i priprema stava u vezi sa inicijativom za programe CŽU završiće se u roku do 30 dana,
- ✓ Postupak usvajanja predloga i dostavljanja Agenciji za akreditaciju završiće se u roku do 30 dana.

Kancelarija za CŽU³ pripremaće sva neophodna dokumenta i pružati potrebnu pomoć u postupku priprema za realizaciju programa CŽU.

V FINANSIRANJE PROGRAMA CŽU

Troškovi za realizaciju programa

Član 20

Svi programi CŽU su samofinansirajući i realizuju se prema jasno definisanim uslovima finansiranja. Obezbijedeni uslovi finansiranja za finansijsku održivost programa preduslov su za početak njihovog rada.

Računovodstvena evidencija za programe vodi se na posebnom kontu.

Aktivnosti za realizaciju programa CŽU finansiraće se iz sredstava koja se obezbjeđuju od:

- ✓ naknada troškova realizacije programa CŽU učesnika,
- ✓ sponzorstva i donacija,
- ✓ projekata Univerziteta koji se odnose/koordiniraju u oblasti programa CŽU,
- ✓ ostalih prihoda.

Naknada koju plaćaju polaznici

Član 21

Svi polaznici programa CŽU plaćaju utvrđeni iznos naknade troškova realizacije programa CŽU. Iznos naknade naveden je u uslovima konkursa i u ugovoru o programu CŽU, koji potpisuju Univerzitet/odnosno organizaciona jedinica, polaznici programa i učesnici u njegovom finansiranju.

Određivanje iznosa naknade vršiće se na tržišnoj osnovi uzimajući u obzir obim i strukturu programa CŽU.

Naknada se plaća prije početka programa i uslov je za potpisivanje ugovora o programu CŽU.

Naknade mogu da se uplaćuju pojedinačno od strane polaznika CŽU ili grupno.

Finansiranje troškova za realizaciju programa i usvajanja finansijskih izvještaja

Član 22

³*Tijela nadležna za programme CŽU prema Odluci o programima cjeloživotnog učenja na Univerzitetu Crne Gore*

Ukupna sredstva prihodovana za realizaciju programa raspoređivaće se na sljedeći način:

- ✓ Sredstva prihodovana od programa CŽU raspoređuju se u skladu sa Pravilnikom o načinu korišćenju i ostalim primanjima zaposlenih na projektima, na poslovima sa tržišta, akreditovanim samofinansirajućim studijskim programima koji se izvode na jezicima koji nijesu u zvaničnoj upotrebi u Crnoj Gori i u okviru posebnih oblika nastave;
- ✓ Visina naknade učesnicima u realizaciji programa CŽU (nastavnicima, saradnicima, laborantima, itd.) reguliše se posebnim pravilnikom u skladu sa Kolektivnim ugovorom za Univerzitet Crne Gore.

Finansijska održivost preduslov je za organizaciju svih programa CŽU.

Izveštaj o troškovima finansiranja programa sastavni je dio izveštaja o realizaciji programa i usvaja se po proceduri za usvajanje ostalih finansijskih izveštaja na Univerzitetu.

V UPIS NA PROGRAME CŽU

Konkurs

Član 23

Upis na programe CŽU vrši se na osnovu javno sprovedenog konkursa za upis polaznika. Konkurs raspisuje Univerzitet ili organizaciona jedinica uz saglasnost Univerziteta. Odluku o raspisivanju konkursa donosi Upravni odbor na predlog Senata Univerziteta.

Konkurs može da bude raspisan samo za programe CŽU koji su akreditovani u skladu sa Pravilima Agencije o postupku akreditacije programa CŽU.

Broj kandidata se određuje na osnovu dobijene licence.

Termini za raspisivanje konkursa

Član 24

Univerzitet, odnosno organizaciona jedinica uz saglasnost Univerziteta, raspisuje konkurs za akreditovane programe CŽU, po pravilu, dva puta godišnje: u junu za programe koji počinju u zimskom semestru i u decembru za programe koji počinju u ljetnjem semestru.

Konkurs za program CŽU se raspisuje u dnevnim novinama i objavljuje na sajtu Univerziteta. Rok za podnošenje prijave na konkurs je do 20 dana. Rezultati konkursa za upis objavljuju se najkasnije 30 dana prije početka nastave.

Pravo na upis

Član 25

Pravo na upis određuje se za svaki program pojedinačno, poštujući pravila horizontalne i vertikalne prohodnosti.

Horizontalna prohodnost odnosi se na pravo na upis kandidata u isti referentni nivo kvalifikacija u NOK-u (prethodno obrazovanje kandidata treba da bude u istom nivou kvalifikacija u NOK-u kojem pripada i planirani program CŽU). Dopunski uslov za upis može da se odnosi na oblast programa završenog prethodnog obrazovanja. Po pravilu, ovaj uslov se odnosi na usklađivanje završenih studijskih programa i radnih mjesta (zanimanja) na tržištu rada, kao i prakse koja se primjenjuje za upis na isti ili sličan program na drugim univerzitetima koji realizuju programe CŽU.

Dozvoljena vertikalna prohodnost je u prvi naredni nivo kvalifikacija (NOK-a) u odnosu na prethodno završeno školovanje (stečeni stepen). Dopunski uslov za ovakav upis je završena odgovarajuća oblast prethodnog obrazovanja kod nastavka školovanja (prohodnost škole, oblast studija usaglašena sa prohodnošću kod upisa na studijske programe osnovnih, specijalističkih i magistarskih studija).

Pravo upisa na program može se istovremeno omogućiti kandidatima koji ispunjavaju i horizontalnu i vertikalnu prohodnost ukoliko je program CŽU takav da ga uspješno mogu savladati kandidati obje grupe.

U konkursu za upis se mogu dodatno navesti stečene kvalifikacije koje su poželjne da posjeduju kandidati za upis, kao i da takvi kandidati imaju prioritet kod rangiranja za upis na program CŽU.

Izuzetno, horizontalna i vertikalna prohodnost mogu da budu bez dopunskih uslova ukoliko se program CŽU organizuje za slobodne module (slobodni modul treba da zadovoljava takav kriterijum prema objašnjenju predlagača ili uputstvu za formiranje i sistematizaciju modula koje predlagač navede).

Rangiranje i izbor kandidata

Član 26

Rangiranje kandidata vrši se ukoliko se prijavi veći broj kandidata, koji zadovoljavaju uslove za upis, od broja oglašenog u konkursu. Rangiranje se vrši na osnovu:

- ✓ Uspjeha u prethodnom školovanju,
- ✓ Potreba za obrazovanjem koje se stiče programom CŽU (dokazuje se motivacionim pismom/iskazom kandidata o neophodnosti završetka konkretnog programa CŽU, odnosno neophodnost sticanja potrebnog znanja za kvalitetno obavljanje posla ili izvjesnog zaposlenja na poslovima gdje se traže ove vrste znanja uključujući i potrebu samozapošljavanja.

Bodovanje za upis sa vertikalnom prohodnošću vrši se na sljedeći način:

- ✓ Prosječna ocjena za školovanje u IV i V nivou kvalifikacija množi se sa brojem 10,
- ✓ Srednji indeks uspjeha za VI i VII referentni nivo množi se sa brojem 5.

Bodovanje za upis sa horizontalnom prohodnošću se vrši tako što se srednji indeks uspjeha završenog stepena množi sa brojem 5.

Potreba za usavršavanjem koja se dokazuje dokumentom navedenim u stavu 1 ovog člana vrednuje se sa 25 bodova.

Rangiranje kandidata vrši komisija za upis na programe CŽU.

Komisiju na organizacionoj jedinici imenuje dekan. Komisija se sastoji od tri člana. Rukovodilac komisije je kordinator programa CŽU na organizacionoj jedinici, a ostali članovi su jedan nastavnik iz oblasti na koju se odnosi program CŽU i sekretar jedinice.

Rezultati rangiranja i izbora kandidata objavljuju se na sajtu Univerziteta/jedinice i na oglasnoj tabli jedinice u roku od 7 dana od termina završetka konkursa.

Potpisivanje ugovora

Član 27

Kandidati koji su stekli pravo na upis potpisuju ugovor kod upisa na program CŽU. Forma ugovora za programe CŽU usaglašena je sa postojećim Ugovorom o studiranju.

VI ORGANIZACIJA NASTAVE I ZAVRŠNOG ISPITA

Organizacija nastave

Član 28

Univerzitet, odnosno fakultet i akademija izvode programe CŽU iz stručnih, naučnih i umjetničkih oblasti za koje su akreditovani.

Programi se organizuju kao moduli. Obim modula se izražava brojem ECTS kredita. Broj kredita za modul određuje se prema broju časova nastave (teorijske i praktične, vježbi, seminara i slično), vremenu rada polaznika na samostalnim zadacima (domaći zadaci, eseji, seminarski radovi i slično) i vremenu za učenje kod pripreme za provjeru znanja i ocjenjivanje (testovi, završni ispit). Odnos između vremena predviđenog za nastavu i ukupnog vremena za uspješan završetak programa određuje se na osnovu iskustva za tip modula iz oblasti kojoj modul pripada. U slučaju da takvi podaci ne postoje na Univerzitetu Crne Gore primjenjivaće se iskustva drugih univerziteta.

Izuzetno, ukoliko se programi CŽU organizuju kao slobodni moduli, obim se ne prikazuje brojem ECTS kredita već vremenom njegovog trajanja (ukupan broj sati i broj dana planiranih da se program završi)

Organizacija nastave za sve module CŽU vrši se po principu *part-time*.

Planiranje termina za nastavu

Član 29

Za realizaciju modula CŽU zahtijevaju se organizacija nastave i provjere znanja u toku jednog semestra.

Nastava se planira i organizuje u zavisnosti od obima modula i može trajati do 15 radnih nedjelja. Stvarni broj nedjelja nastave određuje se, po pravilu, tako što se broj ECTS kredita podijeli sa dva. Izuzetno, za slobodne module namijenjene edukaciji i ličnom razvoju nastava može de se organizuje u skladu sa ustaljenom praksom za organizaciju takve nastave na drugim univerzitetima.

U toku jedne nedjelje nastava može biti organizovana i danima vikenda. Broj časova nastave u jednom terminu određuje sa na osnovu dogovora kordinatora i polaznika CŽU programa.

Tokom kompletnog vremena obavezno je predvidjeti i organizovati termine za konsultacije, posebno u danima kada se organizuje nastava.

Nastava i ispiti u zimskom semestru organizuju se, po pravilu, od početka septembra do kraja februara, a nastava i ispiti u ljetnjem semestru organizuje se, po pravilu, od početka marta do kraja septembra. Planiranje nastave i ispita vrši se u dogovoru koordinatora programa CŽU i polaznika.

Nastava može da se organizuje klasično, kao i e-learning i kao distance learning. Organizacija nastave na jednom programu može se kombinovati. Svi podaci o organizaciji nastave prikazuju se u specifikaciji modula u fazi pripreme inicijative za program CŽU. Za odluku o prihvatanju programa na Univerzitetu i akreditaciju potrebno je da planirani uslovi za organizaciju nastave budu u potpunosti obezbijeđeni.

Provjera znanja i završni ispit

Član 30

Provjera rada i znanja polaznika vrši se tokom nastave i na završnom ispitu. Način provjere znanja utvrđen je akreditovanim programom CŽU.

Za organizaciju nastave i ispita shodno se primjenjuju odredbe Pravila studiranja na osnovnim studijama.

VII OBEZBJEĐENJE KVALITETA PROGRAMA

Samovrednovanje i obezbjeđenje kvaliteta

Član 31

Na svim programima CŽU sprovodi se postupak samovrednovanja nastave i uslova rada. Samovrednovanje obavezno sadrži:

- ✓ Povratne informacije od polaznika programa CŽU dobijene po jednoj od metoda definisanih u Implementaciji sistema kvaliteta na Univerzitetu Crne Gore;
- ✓ Ocjenu rada i ostvarenih rezultata od strane svih nastavnika sa predlogom mjera poboljšanja za naredne cikluse nastave za module.

Verifikacija rezultata programa

Član 32

Za programe CŽU pripremaju se i usvajaju izvještaji o rezultatima po istoj metodologiji kao kod studijskih programa. Sastavni dio izvještaja je pregled samovrednovanja i ocjene kvaliteta.

Verifikacija rezultata programa i dodjeljivanje (priznavanje) ECTS kredita

Član 33

Za programe CŽU koji su kreditno vrednovani osvojeni broj ECTS kredita i ocjene kandidata verifikuje vijeće fakulteta. Vijeće donosi odluku na osnovu izvještaja koordinatora za program CŽU o postignutim rezultatima.

Broj ECTS kredita za predmete, module i program su prikazani u elaboratu za akreditaciju programa CŽU i ne mogu se naknadno dodjeljivati.

VIII ZAVRŠETAK PROGRAMA

Član 34

Polaznici završavaju program CŽU ukoliko su na završnom ispitu osvojili broj poena potreban za prelaznu ocjenu prema definisanoj skali ocjenjivanja.

Polaznici koji nijesu dobili pozitivnu ocjenu nakon završetka drugog termina za završni ispit nijesu završili program CŽU i mogu se ponovo prijaviti za upis na program CŽU.

IX PRAVA POLAZNIKA CŽU, EVIDENCIJA I ISPRAVE

Prava polaznika

Član 35

Prava polaznika CŽU definisana su ugovorom o programu CŽU.

Sve molbe i zahtjevi polaznika tokom trajanja programa dostavljaju se u pisanom obliku nadležnoj službi jedinice. U njihovom rješavanju primjenjivaće se odredbe Ugovora o programu CŽU.

Evidencija za program

Član 36

Univerzitet/organizaciona jedinica vodi evidenciju za programe CŽU, i to:

- ✓ kandidata prijavljenih za upis,
- ✓ upisanih polaznika,
- ✓ potpisanih ugovora za polaznike,
- ✓ finansija,
- ✓ rezultata praćenja uspjeha tokom nastave i na završetku programa;
- ✓ izdatih isprava za polaznike programa,
- ✓ izdatih isprava o završetku programa,
- ✓ drugih podataka koje odredi Senat i Upravni odbor Univerziteta.

Evidencija se vodi po jedinstvenom metodološkom principu, u skladu sa jedinstvenim informacionim sistemom za elektronsko vođenje evidencije.

Isprave za polaznike programa

Član 37

Polazniku programa CŽU može se izdati potvrda o činjenicama o kojima se vodi evidencija.

Isprave o završetku programa

Član 38

Polaznicima koji su uspješno završili program CŽU izdaje se sertifikat o završenom programu CŽU kojim se potvrđuje status u postignutim ishodima učenja u skladu sa sadržajem obuhvaćenim u programu CŽU.

X PRELAZNE I ZAVRŠNE ODREDBE

Stupanje na snagu

Član 39

Stupanjem na snagu ovih pravila prestaju da važe Pravila za programe cjeloživotnog učenja na Univerzitetu Crne Gore, br.08-2195 od 29.11.2012. godine

Član 40

Ova pravila stupaju na snagu osmog dana od dana objavljivanja u Biltenu Univerziteta Crne Gore.

Broj: 03-1121/1
Podgorica, 10.02.2020. godine

SENAT UNIVERZITETA CRNE GORE
Predsjednik

Prof. dr Danilo Nikolić

**PRILOG #9 PROCEDURA QMS PFK 009 NASTAVNI
PROCES**

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PF P09	Nastavni proces	Izdanje	Datum
		3.0	15. januar 2025.

Predmet:	Planiranje, izvođenje, praćenje i evaluacija nastavnog procesa. Priznavanje položenih ispita. Vođenje studentskih radova. Definisanje indikatora performansi. Definisanje mjera koje se odnose na rizike i prilike u nastavnom procesu. Međunarodna mobilnost studenata
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Rukovodilac procesa: Prodekan za nastavu

#	Aktivnost	Opis aktivnosti	Ulazne dokumentovane informacije	Izlazne dokumentovane informacije	Odgovorna lica
Planiranje, izvođenje, praćenje i stalno poboljšavanje nastave					
1	Planiranje nastave	Planiranje nastave podrazumijeva sinhronizaciju nastavnog procesa i studijskih programa s vremenskog aspekta i aspekta raspoloživih resursa za organizaciju iste. Planiranje nastave podrazumijeva organizaciju nastavnog kadra sa Pomorskog fakulteta Kotor, i ostalih fakulteta Univerziteta Crne Gore i regiona (eksterni saradnici). Planiranje nastave mora biti u skladu sa akademskim kalendarom koji je donesen od strane UCG.	Prijedlog Vijeća	Usvojena organizacija nastave	Prodekan za nastavu
2	Izvođenje nastave	Izvođenje nastave se vrši prema nastavnim planovima i programima, kao i prema rasporedu časova. Posebna pažnja usmjerena je na predavanja, računarske, laboratorijske vježbe, rad na simulatoru i u radionicama, koje se izvode u skladu sa STCW konvencijom, gdje je neophodno praćenje prisustva nastavnom procesu. Ovo se posebno odnosi na tehnički profilisane smjerove kao što su akademski studijski programi Nautika i pomorski saobraćaj, Pomorska elektrotehnika i Brodomaštinstvo. Vježbe koje zahtijevaju upotrebu simulatora moraju biti u skladu sa STCW konvencijom, i Odjeljkom A-I/12-Standardi kojima se uređuje korišćenje simulatora (Opšti standardi uspješnosti za simulatore korišćene u obrazovanju, Opšti standardi uspješnosti za simulatore korišćene pri ocjenjivanju stručnosti i Dodatni standardi uspješnosti). Pored toga, ciljevi rada na simulatorima moraju biti jasno definisani, kao i postupci obuke i ocjenjivanja. Evidencija prisustva vježbama vodi se na obrascu FO 091, Evidencija dnevnog prisustva ili u slobodnoj formi.	Plan i program nastavnih predmeta	FO 091, Evidencija dnevnog prisustva i evidencija u slobodnoj formi	Prodekan za nastavu, predavači, studenti
3	Praćenje realizacije Nastavnog plana i programa	Prati se redovno odvijanje nastavnog procesa na fakultetu, u skladu sa nastavnim programima i rasporedom časova.	Plan i program nastavnih predmeta, raspored časova	FO 092, Evidencija o prisustvu predavanjima i vježbama, FO 093,	Prodekan za nastavu, predavači, studenti

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3.0

Datum

15. januar 2025.

		Praćenje semestralnog prisustva nastavi u skladu sa pravilima UCG realizuje se na obrascu FO 092, Evidencija o prisustvu predavanjima i vježbama ili u slobodnoj formi. Prodekan za nastavu vrši kontrolu nastave u skladu sa obrascem FO 093, Zapisnik o kontroli nastave.	FO 091, Evidencija dnevnog prisustva ili u slobodnoj formi	Zapisnik o kontroli nastave	
4	Stalno poboljšavanje nastave	Studentske ankete o kvalitetu izvođenja predavanja (FO 094 ili ekvivalentna online forma www.cis.anketa.ucg.ac.me) se vrše na kraju ljetnjeg semestra tekuće akademske godine za oba semestra. Koordinator za sistem kvaliteta sa prodekanom za nastavu analiziraju zbirne rezultate, predlažu poboljšanje procesa nastave i dostavljaju Izvještaj Vijeću Fakulteta na usvajanje. Nakon usvajanja Izvještaja, Dekanica Fakulteta postupa u skladu sa pravilima studiranja odnosno informiše nastavnike koji su u žutoj ili crvenoj zoni o potrebi poboljšanja metoda i rada na njihovom predmetu. Usvojeni izvještaj sa Vijeća Pomorskog fakulteta Kotor se šalje Centar za unaprijeđenje Centru za unaprijeđenje kvaliteta Univerziteta Cren Gore.	Studentska anketa o kvalitetu izvođenja predavanja (FO 094)	Izvještaj o realizaciji studentske ankete, Predlozi za poboljšanje procesa nastave	Koordinator za sistem kvaliteta, prodekan za nastavu, Dekanica
Provjera znanja studenata					
5	Vodenje evidencije o osvojenim poenima studenata u toku nastavnog procesa	U toku semestra, sprovode se različiti oblici provjere znanja studenata. Ovo uključuje domaće zadatke, laboratorijske vježbe, kolokvijume, seminarske radove, eseje, završni i popravni završni ispit. Predmetni nastavnik je dužan da transparentno vodi ovu aktivnost, pri čemu se prilikom objave rezultata vodi računa o zaštiti podataka studenata. Objavljivanje i vodenje evidencije obavlja se putem E-indeks aplikacije. Tokom nastavnog procesa, vrši se vodenje evidencije o osvojenim poenima studenata u aplikaciji E-indeks koja je propisana od strane UCG i organizacione jedinice. Studentima je individualna evidencija dostupna u elektronskoj formi preko E-indeks aplikacije.	Zapisi o različitim oblicima provjere znanja	Uneseni podaci u E-indeks, za svakog studenta ponaosob	Predmetni nastavnik
6	Zaključivanje ocjena	Nakon preuzimanja ocjena sa E-indeks aplikacije Vijeće verifikuje ocjene za svaki studijski program, nakon čega se ocjene smatraju zaključenim. Zaključne ocjene se unose u bazu Centra Informacionog sistem (CIS). U slučaju prigovora postupak se realizuje u skladu sa pravilima studiranja.	Podaci sa E-indeks aplikacije	Evidencija o položenim ispitima informacionog sistema UCG	Prodekan za nastavu, predmetni nastavnik

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PF P09

Nastavni proces

Izdanje

3.0

Datum

15. januar 2025.

Priznavanje položenih ispita

7	Podnošenje i prijem dokumentacije za priznavanje položenih ispita i formiranje komisije	Student podnosi molbu i dokumentaciju za priznavanje položenih ispita sa drugog fakulteta ili drugog studijskog programa, početkom studijske godine. Nakon prijema molbe, Dekanica formira komisiju u čijem sastavu je Prodekan za nastavu, koja utvrđuje ekvivalentnost i daje predlog priznavanja ispita nakon konsultacija sa predmetnim nastavnicima.	Molba studenta	Zapis o prijemu dokumentacije za priznavanje položenih ispita	Student, Komisija za priznavanje ispita, Dekanica
8	Dostavljanje mišljenja predmetnog nastavnika	Predmetnom nastavniku se traži mišljenje o priznavanju položenih ispita na drugom fakultetu ili drugom studijskom programu iz istih ili sličnih oblasti. Predmetni nastavnik je u obavezi da u roku od 7 (sedam) dana dostavi navedeno mišljenje komisiji.	Molba studenta sa predmetnom dokumentacijom (Uvjerenje o položenim ispitima, ovjereni nastavni plan i program)	Mišljenje predmetnog nastavnika	Predmetni nastavnik, komisija, Dekanica
9	Donošenje rješenja (odluke) o priznavanju ili nepriznavanju položenih ispita	Dekanica na prijedlog komisije koji sadrži mišljenje imenovanog predmetnog nastavnika donosi rješenje (odluku) o priznavanju, djelimičnom priznavanju ili nepriznavanju položenih ispita. Na osnovu odluke Dekanice, formirana je komisija za ekvivalenciju koja je donijela odluku o ispitima koji se mogu priznati za studente akademskih studija Brodomaštva i Nautike i pomorski saobraćaj, a koji su završili ove odsjeke po starom, primjenjenom programu. Ova Odluka o ekvivalenciji u tabelarnoj formi nalazi se u studentskoj službi fakulteta.	Rješenje komisije Prijedlog komisije	Rješenje o priznavanju ili nepriznavanju položenih ispita, Odluka o priznavanju ispita	Dekanica

Vođenje studentskih radova

10	Podnošenje prijave i odobrenje teme rada (završnog/specijalističkog)	Student nakon dogovora sa mentorom i izbora teme podnosi prijavu iz koje se vidi iz kojeg predmeta ili oblasti radi završni rad (FO 097, Prijava – Zahtjev za odobrenje teme studentskog rada). Nakon podnošenja prijave, mentor potpisuje odobrenje teme rada (FO 098, Odobrenje teme studentskog rada).	Spisak potencijalnih tema za završne radove	FO 097, Prijava – Zahtjev za odobrenje teme studentskog rada, FO 098, Odobrenje teme studentskog rada	Mentor
11	Priprema, izrada i javna odbrana završnog/specijalističkog rada	Student podnosi na uvid mentoru radnu verziju rada u skladu sa uputstvom PF U091, Uputstvo za studenta koji radi studentski rad. Nakon dobijenih sugestija od mentora, student unapređuje rad uz eventualne korekcije. Nakon dorade student dostavlja mentoru završnu verziju rada u elektronskom obliku. Mentor u dogovoru sa Prodekanom za nastavu predlaže, a Dekanica odobrava komisiju za odbranu rada (u obrascu FO 098a – Obavještenje o predaji rada i	FO 098, Odobrenje teme studentskog rada PF U091, Uputstvo za izradu studentskih radova	Završni rad/ Specijalistički rad FO 098a, Obavještenje o predaji rada i imenovanje komisije	Dekanica, Mentor, Komisija

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		3.0	15. januar 2025.

		imenovanje komisije za odbranu studentskog rada) kojoj se dostavlja elektronska verzija rada. Kada se komisija saglasi sa konačnom verzijom rada, student pristupa štampanju rada i pripremi za javnu odbranu (FO 099, Zapisnik komisije o odbrani studentskog rada). Nakon predaje konačne verzije rada organizuje se javna odbrana rada u roku ne kraćem od 3 dana.		za odbranu studentskog rada FO 099, Zapisnik komisije o odbrani studentskog rada	
12	Priprema, izrada i javna odbrana magistarskog, master i doktorskog rada	Priprema, izrada i javna odbrana magistarskih i master radova, kao i doktorskih teza se realizuje u skladu sa važećim pravilima UCG.	Pravila UCG za pripremu i izradu	Pravila UCG za javnu odbranu	Dekanica, Komisije za magistarske, master i doktorske, Vijeće Fakulteta, Senat UCG, komisije za master i doktorske studije UCG, referenti studentske službe, Rektor UCG
Evaluacija i pokazatelji procesa					
13	Izdavanje diploma i promocija	U skladu sa planom organizovanja izdavanja diploma definišu se termini realizacije istih.	Spisak diplomiranih studenata	Diploma o stečenom zvanju	Studentska služba, Prodekan za nastavu
14	Indikatori performansi	Definisani su sljedeći indikatori performansi u nastavnom procesu: 1) IP 1 – Semestralna prolaznost studenata po predmetima, 2) IP 2 – Prolaznost studenata po godinama, 3) IP 3 – Stepenn diplomiranih studenata po generaciji i 4) IP 4 – Zadovoljstvo studenata nastavnim procesom.	IP 1, IP 2, IP 3, IP 4	IP 1, IP 2, IP 3, IP 4	Studentska služba, Prodekan za nastavu, koordinator za sistem kvaliteta
15	Rizici i postupanje sa njima	Mogući su sljedeći rizici u nastavnom procesu: 1) Rizik 1 – Loš uspjeh upisanih studenata – Dodatna nastava i predavanja, dodatne metode učenja preko interneta i društvenih platformi. 2) Rizik 2 – Nedovoljan broj upisanih studenata – Popularizacija i promocija usluga fakulteta preko društvenih mreže, posjeta.	-	-	Dekanica, Prodekani

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3) Rizik 3 – Nesrazmjerno opterećenja nastavnika – Upošljavanje novih kadrova sa STCW kompetencijama, školovanje sopstvenog kadra, angažovanje kolega sa partnerskih fakulteta, kompetentnih stručnjaka.

4) Rizik 4 – Mali broj diplomiranih studenata – Dodatna nastava i predavanja, dodatne metode učenja preko interneta i društvenih platformi.

5) Rizik 5 – Nedostatak finansija u pogledu obezbjeđivanja nastave – Učešće u međunarodnim projektima, saradnja sa privredom u pogledu povezivanja prakse i teorije.

6) Rizik 6 – Nemogućnost zapošljavanja diplomiranih studenata – Iznaženje kompanija koje bi uposile naše diplomirane studente, promocija fakulteta i studenata na tržištu rada.

16 Prilike i postupanje sa njima

Prilike u procesu nastave studenata su:

- 1) Prilika 1 – Popularizacija usluga Fakulteta u zemlji i regionu – Popularizacija i promocija usluga Fakulteta preko društvenih mreža, gostujućih posjeta.
- 2) Prilika 2 – Potražnja diplomiranih studenata na svjetskom pomorskom tržištu – Upis kvalitetnijih studenata zbog većeg interesovanja za upis pomorskih studija.
- 3) Prilika 3 – Mobilnost nastavnog osoblja i studenata – Sticanje novih znanja i iskustva kroz razmjenu sa srodnim fakultetima i institucijama.
- 4) Prilika 4 – Saradnja sa privredom i srodnim Fakultetima – Učešće u projektima u saradnji sa privredom, partnerstvo sa srodnim pomorskim kompanijama i fakultetima, zajednički naučnoistraživački i stručni/privredni projekti.

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Dekanica, Prodekani

Međunarodna mobilnost

17 Praćenje svih aktivnosti realizacije dolaznih mobilnosti studenata

Nakon završene procedure u skladu sa Pravilima o međunarodnoj mobilnosti studenata Univerziteta Crne Gore i potpisanog Ugovora o učenju (*Learning Agreement-LA*) od strane studenta i lica zaduženog za međunarodnu saradnju na našem Fakultetu i matčnoj instituciji, dolazni student je prihvaćen za realizaciju programa mobilnosti na našem fakultetu. Prodekan za nastavu i lice odgovorno za međunarodnu saradnju primaju dolazne studenata. Lice odgovorno za međunarodnu saradnju pismenim putem obavještava predmetne nastavnike i šalje im spisak dolaznih studenata sa nazivom predmeta kod

Ugovor (LA),
Pravila o
međunarodnoj
mobilnosti studenata
Univerziteta Crne
Gore

Evidencija studenata
dolaznih mobilnosti
FO 095a-
Evidencija o
osvojenim poenima

Prodekan za nastavu,
Studentska služba,
Prodekan za
međunarodnu
saradnju

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izabranog nastavnika. Takođe, studentima se pružaju osnovne informacije o fakultetu, rasporedu predavanja, infrastrukturi i resursima za učenje na fakultetu i van fakulteta (biblioteka). Takođe, na uvodnom sastanku sa menadžmentom fakulteta i licem odgovornim za međunarodnu saradnju,, dolazni studenti se upoznaju sa nastavnim i drugim obavezama i pravima. FO 095a-Evidencija o osvojenim poenima, na engleskom jeziku, koju popunjava predmetni nastavnik na kraju semestra dostavlja se Prodekanu za nastavu i licu odgovornom za međunarodnu saradnju.

Studentska služba arhivira dokumentaciju o studentima koji su došli na Pomorski fakultet preko neke od dolaznih mobilnosti, kroz knjigu koja se zove Registar za dolazne studente.

Lice odgovorno za međunarodnu saradnju je u obavezi da pripremi prepis ocjena za dolaznog studenta (*Transcript of records*), koja sadrži potpis i pečat Dekanice Fakulteta.

Kako ne postoji tehnička mogućnost da ove studente registrujemo preko Centra informacionog sistema, to u Studentskoj službi postoji interna knjiga Registar za dolazne studente.

Iz istih razloga Sekretar fakulteta izdaje potvrdu o studiranju za period koliko traje mobilnost stranom studentu, radi regulisanja prijave boravka u Crnoj Gori i ostvarivanja prava na usluge u studentskom domu.

Knjiga – Registar za dolazne studente

Prepis ocjena (Transcript of records)

Potvrda

18 Praćenje svih aktivnosti realizacije odlaznih mobilnosti studenata

Student koji planira da realizuje mobilnost na nekoj od prihvatnih institucija u obavezi je predati molbu Komisiji za mobilnost krajem tekućeg semestra za naredni semestar kako bi se blagovremeno završile neophodne radnje potrebne za potpisivanje LA. Sastavni dio te molbe je spisak predmeta koje student predlaže matičnoj instituciji i predmeta sa prihvatne institucije , a koji mogu biti uz saglasnost Komisije za mobilnost potvrđeni za unos u LA. Studentima je ovaj obrazac dostupan na sajtu Pomorskog fakulteta Kotor u okviru sekcije Međunarodna saradnja. Komisija se sastaje uživo ili onlajn i razmatra molbe studenata, kako bi u skladu sa Pravilima o međunarodnoj mobilnosti studenata Univerziteta Crne Gore, uporedila predložene predmete iz molbe i njihove ECTS kataloge, te potvrdila postojanje 20 ECTS kredita neophodnih za ostvarivanje mobilnosti

Pravila o međunarodnoj mobilnosti studenata Univerziteta Crne Gore

Knjiga – Registar za odlazne studente

Ugovor (LA), Izvještaj Komisije za mobilnost

Odluka Vijeća

Knjiga Registar za odlazne studente

Prodekan za nastavu, Prodekan za međunarodnu saradnju, Studentska služba

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Nakon završene procedure da je studentu potvrđen odlazak na prihvatnu instituciju i izvršenog potpisivanja Ugovora o studiranju (LA) od strane odgovornih osoba i studenta, student je u obavezi meglom obavijestiti predmetne nastavnike kod kojih je prijavio slušanje predmeta na matičnoj instituciji (Pomorskom fakultetu Kotor) o periodu odlazne mobilnosti, za semestar u okviru kojeg je prijavljena mobilnosat. Takođe u obavezi je dostaviti skeniranu verziju LA

Komisija za mobilnost dostavlja studentskoj službi kopiju zaključenog LA na osnovu kojeg će se unijeti podaci u Registar za odlazne studente.

Nakon povratka studenta sa mobilnosti na Pomorski fakultet Kotor i dostavljene dokumentacije o rezultatima položenih ispita na prihvatnoj instituciji, Komisija za mobilnost Pomorskog fakulteta Kotor konstatuje da je student ispunio/nije ispunio uslove iz LA. Komisija za mobilnost donosi Izvještaj o položenim ispitima i dostavlja ga Vijeću Pomorskog fakulteta Kotor na verifikaciju. Nakon verifikacije usvojeni izvještaji se predaju studentskoj službi na dalju proceduru (unos ocjena u CIS i Registar za odlazne studente).

Dokumentovane informacije

Oznaka	Naziv dokumentovane informacije	Korisnici	Mjesto čuvanja	Vrijeme čuvanja
-	Odluke Vijeća	Prodekan za nastavu	Arhiva	Trajno
-	Usvojena organizacija nastave	Prodekan za nastavu	Arhiva	Trajno
-	Plan i program nastavnih predmeta	Prodekan za nastavu, predavači	Arhiva	Trajno
FO 091	Evidencija dnevnog prisustva	Prodekan za nastavu, predavači, studenti	Arhiva	3 studijske godine
FO 092	Evidencija o prisustvu predavanjima i vježbama	Prodekan za nastavu, predavači, studenti	Arhiva	3 studijske godine

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Datum

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Dokumentovane informacije

Oznaka	Naziv dokumentovane informacije	Korisnici	Mjesto čuvanja	Vrijeme čuvanja
FO 093	Zapisnik o kontroli nastave	Prodekan za nastavu, predavači, studenti	Arhiva	3 studijske godine
FO 094	Studentska anketa o kvalitetu izvođenja predavanja	Prodekan za nastavu, predavači, studenti	Arhiva	Trajno
-	Izveštaj o realizaciji studentske ankete	Koordinator za sistem kvaliteta, Dekanica	Arhiva	Trajno
-	Predlozi za poboljšanje procesa nastave	Koordinator za sistem kvaliteta, Dekanica	Arhiva	Trajno
-	Zapisi o različitim oblicima provjere znanja	Predmetni nastavnik	Arhiva	Trajno
-	E-indeks - evidencija o osvojenim poenima	Prodekan za nastavu, predmetni nastavnik	Arhiva	Trajno
FO 095-e	Evidencija o osvojenim poenima-na engleskom	Prodekan za nastavu, predavači, studenti	Arhiva	Trajno
-	E-indeks - zaključne ocjene	Student, Komisija za priznavanje ispita, Dekanica	Arhiva	Trajno
-	Molba studenta	Studentska služba	Arhiva	Trajno
-	Zapis o prijemu dokumentacije za priznavanje položenih ispita	Student, Prodekan za nastavu, Dekanica	Arhiva	Trajno
-	Mišljenje predmetnog nastavnika	Predmetni nastavnik, komisija, Dekanica	Arhiva	Trajno
-	Prijedlog komisije	Predmetni nastavnik, komisija, Dekanica	Arhiva	Trajno
-	Rješenje o priznavanju ili nepriznavanju položenih ispita	Predmetni nastavnik, komisija, Dekanica	Arhiva	Trajno
-	Spisak potencijalnih tema za završne radove	Studenti, nastavnici,	Arhiva	Trajno
FO 097	Prijava – Zahtjev za odobrenje teme studentskog rada	Mentor	Arhiva	Trajno

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Datum

15. januar 2025.

Dokumentovane informacije

Oznaka	Naziv dokumentovane informacije	Korisnici	Mjesto čuvanja	Vrijeme čuvanja
FO 098	Odobrenje teme studentskog rada	Mentor	Arhiva	Trajno
PF U091	Uputstvo za izradu studentskih radova	Student, Mentor, Komisija, Prodekan za nastavu	Arhiva	Trajno
-	Završni rad	Student, Mentor, Komisija, Prodekan za nastavu	Arhiva	Trajno
FO 098a	Odobrenje komisije za odbranu studentskog rada	Student, Mentor, Komisija, Prodekan za nastavu, Dekanica	Arhiva	Trajno
FO 099	Zapisnik komisije o odbrani studentskog rada	Studentska služba	Arhiva	Trajno
-	Pravila UCG	Dekanica, Komisije za MR, DR, Vijeće Fakulteta, Senat UCG, referenti studentske službe, Rektor UCG	Arhiva	Trajno
-	Spisak diplomiranih studenata	Studentska služba, Prodekan za nastavu, student	Arhiva	Trajno
-	Diploma o stečenom zvanju	Studentska služba, Prodekan za nastavu, student	Arhiva	Trajno

	IZRADIO	PREGLEDAO	ODOBRIO
Funkcija	Prodekan za nastavu	Koordinator za sistem kvaliteta	Dekanica
Ime i prezime	Doc.dr Stevan Kordić	Mr Vera Kapetanović	Prof. dr Tatijana Dlabač
Potpis			

PRILOG #10 ODLUKA SAVJETA ZA KVALIFIKACIJE



Vlada Crne Gore
Savjet za kvalifikacije

Broj: 10902-119/21-3737/5
Podgorica, 1. jun 2021. godine

UNIVERZITET CRNE GORE POMORSKI FAKULTET KOTOR			
Primijeno:	08.06.2021.		
Org. jed.		Prilog	Vrijednost
01-	1425		

UNIVERZITET CRNE GORE
POMORSKI FAKULTET

KOTOR

U skladu sa članom 5 Pravilnika o procedurama razvijanja kvalifikacija od šestog do osmog nivoa kvalifikacija („Službeni list CG“, broj 52/12), obavještavamo vas da je Savjet za kvalifikacije, na sjednici održanoj 31. maja 2021. godine, nakon pozitivnog mišljenja nadležne sektorske komisije, utvrdio prijedlog za razvijanje stručne kvalifikacije Stručni saradnik / Stručna saradnica za održivi razvoj luka nautičkog i kruzing turizma (nivo VI) u Sektoru kvalifikacija za interdisciplinarna područja.

U prilogu dostavljamo prijedlog za razvijanje stručne kvalifikacije Stručni saradnik / Stručna saradnica za održivi razvoj luka nautičkog i kruzing turizma (nivo VI).

S poštovanjem,

PREDSJEDNIK
SAVJETA ZA KVALIFIKACIJE

po odl. Zbora

Veljko TOMIĆ





Vlada Crne Gore

SAVJET ZA KVALIFIKACIJE

Sektorska komisija za interdisciplinarna područja

INICIJATIVA ZA RAZVIJANJE KVALIFIKACIJE

* NAZIV KVALIFIKACIJE	Stručni saradnik / Stručna saradnica za održivi razvoj luka nautičkog i kruzing turizma <i>Sustainability associate in marinas and cruise ports</i>
* NIVO KVALIFIKACIJE	VI (2 ECTS)
* TIP KVALIFIKACIJE	Stručna kvalifikacija
* NAZIV JEDNOG ILI VIŠE STANDARDA (ZANIMANJA, OBRAZOVNOG, DRUGOG) NA KOJEM SE KVALIFIKACIJA BAZIRA	
* SADRŽAJ KVALIFIKACIJE/ ISHODI UČENJA	Program CŽU „Održivi razvoj jahting i kruzing industrija“ će omogućiti dodatno obrazovanje budućih (studenti) i sadašnjih (profesionalci zaposleni u kompanijama) stručnjaka u oblasti plave ekonomije jačanjem individualne kompetencije pojedinca, te stvaranje upravljačke strukture koja će bolje odgovarati izazovima budućeg razvoja aktivnosti u pomorskoj industriji. Riječ je o interdisciplinarnom programu koji uključuje širu oblast pomorstva, pomorskih operacija i njihovo upravljanje, nautički i kruzing turizam, njihov uticaj na životnu sredinu i upravljanje zaštitom morske sredine, priobalja i dr. Program CŽU obuhvata sljedeće tematske cjeline (TC):

	TC1 Upravljanje održivim nautičkim i kruzing sektorom Uvod u savremeni obalni turizam Održivi razvoj nautičkog turizma i upravljanje marinama Održivi razvoj kruzing turizma i upravljanje kruzing lukama TC2 Održive operacije u marinama i kruzing lukama Procjena glavnih parametara navigacije Planiranje i razvoj infrastrukture marina i kruzer luka Sigurnost i bezbjednost u marinama i kruzer lukama TC3 Ekološki aspekti održivog nautičkog i kruzing sektora Zaštita mora i priobalja od pomorskih aktivnosti Opšti ishodi učenja, koji se stiču na programu cjeloživotnog učenja, proizilaze iz nastavnog plana i programa i definisani su potrebama tržišta koji su nastali nakon istraživanja aktivnosti u marinama, kruzing lukama, pomorskim agencijama i dr. Nakon savladavanja ovog programa, polaznici će biti u mogućnosti da: • opišu najnovije trendove u nautičkom i kruzing turizmu; • primjenjuju savremene metode upravljanja i marketinga u marinama i kruzer lukama; • objasne savremene metode navigacije jahti i kruzer brodova; • opišu koncept razvoja infrastrukture modernih marina i kruzer luka; • primjenjuju savremene metode u cilju obezbjeđivanja sigurnosti i bezbjednosti marina i kruzer luka; • klasifikuju različite vrste zagađivača sa jahti i kruzer brodova i metode njihovog uklanjanja.
* OCJENE POTREBA NA TRŽIŠTU RADA	Povod osnivanja programa cjeloživotnog učenja iz interdisciplinarne oblasti održivog razvoja jahting i kruzing industrije koji će se držati na engleskom jeziku je dvojak. Kao prvo, kroz realizaciju Erasmus+ projekta „Jačanje internacionalizacije na univerzitetima u Crnoj Gori kroz efikasno strateško planiranje - IESP“ (www.iesp.ucg.ac.me) je predviđeno da se pokrene program cjeloživotnog učenja - ljetnja škola na engleskom jeziku u cilju jačanja internacionalizacije univerziteta kroz povećanje dolazne mobilnosti (stranih) studenata. Kao drugo, pokretanje programa CŽU „Održivi razvoj jahting i

	kruzing industrija“ je pokušaj odgovora u kontekstu plave ekonomije za kadrovima koji su u stanju upravljati savremenim i održivim marinama i kruzer lukama. Prema podacima prikazanim u <i>Strategiji razvoja pomorske privrede za period od 2020. do 2030. godine</i> usvojenoj u julu 2020. godine od strane Vlade Crne Gore koju je predložilo Ministarstvo saobraćaja i pomorstva, samo u Crnoj Gori postoji 488 poslovnih sistema sa preko 1580 zaposlenih koji su registrovani i bave se nekom od aktivnosti plave ekonomije (podatak iz 2018. godine). Ovaj program će omogućiti svim polaznicima sticanje dodatnih znanja u teorijskom smislu i njihovih implikacija na realne probleme u lukama nautičkog i kruzing turizma. Ciljna grupa su svi strani student, kao i zaposleni u lukama nautičkog i kruzing turizma iz Crne Gore i regiona. Na svjetskom pomorskom tržištu postoje velike potrebe za znanjem koje se stiče ovom stručnom kvalifikacijom.
* MEĐUNARODNA UPOREDIVOST	Predloženi program CŽU je u potpunosti uporediv i kompatibilan sa sličnim programima u EU. Studentima se omogućava sticanje stručne kompetencije i priznavanje 2 ECTS na njihovim ustanovama. Zaposlenima u lukama nautičkog i kruzing turizma omogućava se sticanje stručnih kompetencija koje su neophodne za razvoj njihovih karijera. Vršena je analiza više programa CŽU (ljetnjih škola) u EU i regionu Zapadnog Balkana (https://www.summerschoolsineurope.eu/) i nije utvrđeno postojanje programa istog ili sličnog sadržaja, što ide u prilog održivosti i sveobuhvatnosti ovog programa. Ljetnje škole koje se mogu pronaći na navedenom web sajtu, a čiji plan i program obuhvata pojedine djelove programa za koji se traži razvoj kvalifikacije su: • Oblast obalnog turizma (uključuje i osnove navigacije plovila): https://www.summerschoolsineurope.eu/course/14904/coastal-tourism • Oblast pomorske logistike: https://www.summerschoolsineurope.eu/course/6937/supply-chain-management-and-maritime-logistics-in-the-global-economy
USLOVI ZA UKLJUČIVANJE U PROGRAM	Ciljna grupa su strani studenti i zaposleni u lukama nautičkog i kruzing turizma. Uslovi za uključivanje u program su stoga: • Potvrda o studiranju ili potvrda o završenoj srednjoj školi (četvrti nivo (IV), podnivo jedan (IV1), kvalifikacija srednjeg

	opšteg i stručnog obrazovanja (240 kredita CSPK-a)); • Poznavanje engleskog jezika min. B2 nivoa (CEFR)
PROHODNOST	-
POVEZANOST SA DRUGIM KVALIFIKACIJAMA	-
*PREDLAGAČ INICIJATIVE	Univerzitet Crne Gore Pomorski fakultet Kotor
* DATUM	13.04.2021.

PRILOG #11 PRIJEDLOG IZGLEDA CETRIFIKATA

UNIVERSITY OF MONTENEGRO
Faculty of Maritime Studies Kotor

CERTIFICATE OF COMPLETION

This is to certify that

[Name and Surname]

has completed the
Lifelong Learning program (Summer School) with 3 ECTS on
“Sustainable Development of Yachting and Cruise Industry”
held from [Start Date] to [End Date] in Kotor, Montenegro

Date:

Place: Kotor, Montenegro

Dean

Faculty of Maritime Studies Kotor

University of Montenegro

**PRILOG #12 ODLUKA VIJEĆA POMORSKOG
FAKULTETA KOTOR**

**PRILOG #13 ODLUKA VIJEĆA INSTITUTA ZA BIOLOGIJU
MORA**