

**Univerzitet Crne Gore
Prirodno-matematički fakultet**

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Broj: 807/1

Datum: 27.04.2023

**UNIVERZITET CRNE GORE
S E N A T U
CENTRU ZA DOKTORSKE STUDIJE**

U prilogu akta dostavljamo Odluku sa XCVIII sjednice Vijeća Prirodno-matematičkog fakulteta održane 18.04.2023. godine

S poštovanjem,





**Univerzitet Crne Gore
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Broj: 2023/01-807

Datum: 21.04.2023.god

Na osnovu člana 64 Statuta Univerziteta Crne Gore, a u vezi sa članom 41 stav 1 Pravila doktorskih studija, na XCVIII sjednici Vijeća održanoj dana 18.04.2023.godine, Vijeće je donijelo

ODLUKU

I

Utvrđuje se da su ispunjeni uslovi iz člana 38 Pravila doktorskih studija za doktoranda Iliju Četkovića.

II

Predlaže se Odboru za doktorske studije sastav komisije za ocjenu doktorske disertacije:

1. Prof. dr Danilo Mrdak, vanredni profesor Prirodno-matematičkog fakulteta Univerziteta Crne Gore (naučna oblast: Zoologija, Ihtiologija, Ribarstvo);
2. Dr Ana Pešić, viši naučni saradnik Instituta za biologiju mora Univerziteta Crne Gore (naučna oblast: Ihtiologija, pelagični resursi);
3. Dr Zdravko Ikica, viši naučni saradnik Instituta za biologiju mora Univerziteta Crne Gore (naučna oblast: Ihtiologija, demerzalni resursi)
4. Dr Branko Dragičević, viši naučni saradnik Instituta za oceanografiju i ribarstvo u Splitu (naučna oblast: Ihtiologija, Morsko ribarstvo) i
5. Prof. dr Dragana Milošević Malidžan, vanredni profesor Prirodno-matematičkog fakulteta Univerziteta Crne Gore (naučna oblast: Zoologija, Ihtiologija), mentor.

III

Odluka se dostavlja Odboru za doktorske studije Univerziteta Crne Gore.



PROF. DR. MILJAN BIGOVIĆ

prof. dr Miljan Bigović



ISPUNJENOST USLOVA DOKTORANDA

OPŠTI PODACI O DOKTORANDU			
Titula, ime, ime roditelja, prezime	MSc Ilija (Ivo) Četković		
Fakultet	Prirodno-matematički fakultet Podgorica		
Studijski program	Biologija		
Broj indeksa	02/20		
NAZIV DOKTORSKE DISERTACIJE			
Na službenom jeziku	Hrskavičave ribe (Classis: Chondrichthyes) u crnogorskom dijelu Jadrana: diverzitet, abundanca i interakcija sa ribarstvom		
Na engleskom jeziku	Cartilaginous fish (Classis: Chondrichthyes) in the Montenegrin part of the Adriatic Sea: diversity, abundance and interactions with fisheries		
Naučna oblast	Ihtiologija		
MENTOR/MENTORI			
Prvi mentor	Prof. dr Dragana Milošević Malidžan	Univerzitet Crne Gore - Prirodno-matematički fakultet	Ihtiologija
Drugi mentor			
KOMISIJA ZA PREGLED I OCJENU DOKTORSKE DISERTACIJE			
Prof dr Dragana Milošević Malidžan, vanredni profesor	Univerzitet Crne Gore - Prirodno-matematički fakultet	Ihtiologija	
Dr Ana Pešić, viši naučni saradnik	Univerzitet Crne Gore – Institut za Biologiju Mora	Ihtiologija	
Dr Branko Dragičević, viši naučni saradnik	Institut za Oceanografiju i Ribarstvo, Split, Hrvatska	Ihtiologija	
Dr Zdravko Ikica, viši naučni saradnik	Univerzitet Crne Gore - Institut za Biologiju Mora	Ihtiologija	
prof. dr Danilo Mrdak, vanredni profesor	Univerzitet Crne Gore - Prirodno-matematički fakultet	Ihtiologija	
Datum značajni za ocjenu doktorske disertacije			
Sjednica Senata na kojoj je data saglasnost na ocjenu teme i kandidata	20.07.2021.		
Dostavljanja doktorske disertacije organizacionoj jedinici i saglasnost mentora	22.3.23.		

Sjednica Vijeća organizacione jedinice na kojoj je dat prijedlog za imenovanje komisija za pregled i ocjenu doktorske disertacije	18.4.'23.
ISPUNJENOST USLOVA DOKTORANDA	
U skladu sa članom 38 pravila doktorskih studija kandidat JE publikovao cjelokupna ili dio sopstvenih istraživanja vezanih za doktorsku disertaciju u časopisu sa SCI/SCIE liste kao prvi autor. Rezultati istraživanja su publikovani u dva rada:	
<p>Četković, I., Jambura, P. L., Pešić, A., Ikica, Z., & Joksimović, A. (2022). Observations of juvenile sandbar sharks <i>Carcharhinus plumbeus</i> (Nardo, 1827) around the Bojana River delta (Southern Adriatic Sea). <i>Mediterranean Marine Science</i>, 23(4), 748–753. https://doi.org/10.12681/mms.30166 https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/article/view/30166</p> <p>Index: Web of Science (SCIE) ISSN / eISSN: 1108-393X / 1791-6763 Impakt faktor: 2.319 (https://www.scijournal.org/impact-factor-of-mediterr-mar-sci.shtml) Scimago: Q2 Izdavač: Hellenic Centre for Marine Research, Grčka (https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/index)</p>	
<p>Četković, I., Pešić, A., Ikica, Z., Milošević, D. & Mrdak, D. (2022). Occurrences of rare and endangered elasmobranchs in by-catch of Montenegrin fisheries (South-Eastern Adriatic Sea). <i>Cahiers de Biologie Marine</i>, 63(3), 247-256. doi: 10.21411/CBM.A.37B316BB (RAD NIJE OPEN ACCESS) https://cbm.sb-roscoff.fr/cbm/article.htm?execution=e1s1</p> <p>Index: Web of Science (SCIE) ISSN / eISSN: 0007-9723 / 2262-3094 Impakt faktor: 0.527 (https://www.scijournal.org/impact-factor-of-cah-biol-mar.shtml) Scimago: Q4 Izdavač: Station Biologique de Roscoff, Francuska (https://cbm.sb-roscoff.fr/cbm/?execution=e1s1)</p>	
Spisak radova doktoranda iz oblasti doktorskih studija koje je publikovao u časopisima sa (upisati odgovarajuću listu)	
<ol style="list-style-type: none"> 1. Nuez, I., Giovos, I., Tiralongo, F., Penadés-Suay, J., Četković, I., Di Lorenzo, M., Kleitou, P., Bakiu, R., Bradai, N. M., Almabruk, A. A. S., Spyridopoulou, R. N. A., Sabbio, A., & Gazo, M. (2023). Assessing the current status of <i>Hexanchus griseus</i> in the Mediterranean Sea using local ecological knowledge. <i>Marine Policy</i>, 147, 105378. https://doi.org/10.1016/j.marpol.2022.105378 https://www.sciencedirect.com/science/article/pii/S0308597X22004250 2. Četković, I., Jambura, P. L., Pešić, A., Ikica, Z., & Joksimović, A. (2022). Observations of juvenile sandbar sharks <i>Carcharhinus plumbeus</i> (Nardo, 1827) around the Bojana River delta (Southern Adriatic Sea). <i>Mediterranean Marine Science</i>, 23(4), 748–753. https://doi.org/10.12681/mms.30166 https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/article/view/30166 3. Četković, I., Pešić, A., Ikica, Z., Milošević, D. & Mrdak, D. (2022). Occurrences of rare and endangered elasmobranchs in by-catch of Montenegrin fisheries (South-Eastern Adriatic Sea). <i>Cahiers de Biologie Marine</i>, 63(3), 247-256. doi: 10.21411/CBM.A.37B316BB https://cbm.sb-roscoff.fr/cbm/article.htm?execution=e1s1 	

4. Kousteni, V., Anastasiadis, A., Bariche, M., Battaglia, P., Bonifazi, A., **Četković, I.**, Chimienti, G., Colombo, M., Constantinou, C., Maria Dalyan, C., Dogrammatzi, A., Domenichetti, F., El Zrelli, R., Fernández-Álías, A., Kampouris, E. T., Kesici, N. B., C. Küpper, F., Lipej, L., Mancini, E., Manunza, B., Marcos, C., Mavrič, B., Mavruk, S., Mutlu, E., Özvarol, Y., Papadimitriou, E., Pešić, A., Pérez-Ruzafa, A., Pey, A., Poursanidis, D., Rizgalla, J., Samaha, Z., Stipa, M. G., Trkov, D., Türeli, C., Ventura, P., Yacoubi, L., Zacchetti, L., & Zava, B. (2022). New records of rare species in the Mediterranean Sea (May 2022). *Mediterranean Marine Science*, 23(3), 417–446. <https://doi.org/10.12681/mms.28372>
<https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/article/view/28372/0>
5. Barbato, M., Barria, C., Bellodi, A., Bonanomi, S., Borme, D., **Četković, I.**, Colloca, F., Colmenero, A., Crocetta, F., De Carlo, F., Demir, E., Di Lorenzo, M., Follesa, M., Garibaldi, F., Giglio, G., Giovos, I., Guerriero, G., Hentati, O., Ksibi, M., Kruschel, C., Lanteri, L., Leonetti, F., Ligas, A., Madonna, A., Matic Skoko, S., Mimica, R., Moutopoulos, D., Mulas, A., Nerlović, V., Pešić, A., Porcu, C., Riginella, E., Sperone, E., Tsouknidas, K., Tunçer, S., Vrdoljak, D., & Mazzoldi, C. (2021). The use of fishers' Local Ecological Knowledge to reconstruct fish behavioural traits and fishers' perception of conservation relevance of elasmobranchs in the Mediterranean Sea. *Mediterranean Marine Science*, 22(3), 603–622. <https://doi.org/10.12681/mms.25306>
<https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/article/view/25306>
6. **Četković, I.**, Mitrović, T., Ralević, S., Tomanić, J., & Paskaš, N. (2021). Cartilaginous Fish of the Eastern Adriatic Sea: A Review of the Records from the Past Decade (2010–2019). Springer, Heidelberg, Germany. doi: 10.1007/698_2020_724
https://link.springer.com/chapter/10.1007/698_2020_724
7. Jambura, P., **Četković, I.**, Kriwet, J., & Turtscher, J. (2021). Using historical and citizen science data to improve the knowledge about the occurrence of the elusive sandbar shark *Carcharhinus plumbeus* (Chondrichthyes – Carcharhinidae) in the Adriatic Sea. *Mediterranean Marine Science*, 22(1), 169–179. <https://doi.org/10.12681/mms.24624>
<https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/article/view/24624>
8. Mancusi, C., Baino, R., Fortuna, C., De Sola, L. G., Morey, G., Bradai, N. M., Kallianotis, A., Soldo, A., Hemida, F., Saad, A. A., Dimech, M., Peristeraki, P., Ariche, M., Clò, S., De Sabata, E., Castellano, L., Garibaldi, F., Lanteri, L., Tinti, F., Pais, A., Sperone, E., Micarelli, P., Poisson, F., Sion, L., Carlucci, R., Cebrian-Menchero, D., Séret, B., Ferretti, F., El-Far, A., Saygu, I., Shakman, E. A., Bartolí, A., Guallart, J., Damalas, D., Megalofonou, P., Vacchi, M., Colloca, F., Bottaro, M., Notarbartolo Di Sciarra, G., Follesa, M. C., Cannas, R., Kabasakal, H., Zava, B., Cavlan, G., Jung, A., Abudaya, M., Kolitari, J., Barash, A., Joksimović, A., **Četković, I.**, Marčeta, B., Vilas, L. G., Tiralongo, F., Giovos, I., Bargnesi, F., Lelli, S., Barone, M., Moro, S., Mazzoldi, C., Charis, C., Abella, A. J. & Serena, F. (2020). MEDLEM database, a data collection on large Elasmobranchs in the Mediterranean and Black seas. *Mediterranean Marine Science*, 0, 276–288. <https://doi.org/10.12681/mms.21148>
<https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/article/view/21148>
9. Gerovasileiou, V., Akyol, O., Al-Hosne, Z., Rasheed, R. A., Ataç, E., Bello, G., **Četković, I.**, Corsini-Foka, M., Crocetta, F., Dennito, 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. & Zava, B. (2020). New records of rare species in the Mediterranean Sea (May 2020). *Mediterranean Marine Science*, 21 (2):340-35. <https://doi.org/10.12681/mms.22148>

<https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/article/view/22148>

10. Četković I., Pešić A., Joksimović A., Tomanić J. & Ralević S. (2019). Morphometric measurements of newborn blue shark *Prionace glauca* (Linnaeus, 1758) and characteristics of its potential parturition areas in coastal waters of Montenegro (Southeastern Adriatic). *Acta Adriatica*, 58(3): 429-458. <https://doi.org/10.32582/aa.60.1.6>

<https://acta.izor.hr/ojs/index.php/acta/article/view/541>

Obrazloženje mentora o korišćenju doktorske disertacije u publikovanim radovima

Doktorand je djelove svoje disertacije objavio kroz dva rada iz časopisa sa SCI/SCIE liste, a na kojima je prvi autor (gore nabrojane reference pod brojevima 2 i 3). Rad pod brojem 2 objavljen je u časopisu *Mediterranean Marine Science* i tiče se nalaza juvenilnih oblika ugrožene i rijetke vrste ajkule *Carcharhinus plumbeus* na širem području ušća rijeke Bojane. Ova vrsta se smatra rijetkom u čitavom Mediteranu i identifikovanje regiona značajnih za životni ciklus njenih juvenilnih jedinki je od presudnog značaja za očuvanje populacije. Rad pod brojem 3 objavljen je u časopisu *Cahiers de Biologie Marine* i tiče se prvog detaljnijeg opisa diverziteta i količine ugroženih vrsta ajkula i raža u prilogu crnogorskog ribarstva. Ovaj rad nije *Open Access*, pa se može pristupiti samo informacijama o radu na sajtu časopisa, putem gore datog linka. Doktorand je, uz ova dva, i autor i koautor više drugih radova u časopisima sa SCI/SCIE liste, a koji se takođe bave tematikom hrskavičavih riba. Dodatno, doktorand je prezentovao rezultate svojih istraživanja hrskavičavih riba i na nekoliko međunarodnih konferencija, o čemu se informacije mogu naći u njegovoj biografiji.

Datum i ovjera (pečat i potpis odgovorne osobe)

U Podgorici,
25. 4. '23.



DEKAN



Prilog dokumenta sadrži:

1. Potvrdu o predaji doktorske disertacije organizacionoj jedinici
2. Odluku o imenovanju komisije za pregled i ocjenu doktorske disertacije
3. Kopiju rada publikovanog u časopisu sa odgovarajuće liste
4. Biografiju i bibliografiju kandidata
5. Biografiju i bibliografiju članova komisije za pregled i ocjenu doktorske disertacije sa potvrdom o izboru u odgovarajuće akademsko zvanje i potvrdom da barem jedan član komisije nije u radnom odnosu na Univerzitetu Crne Gore



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Broj:

2023/02-558-3

Datum:

22.03.2023. dd

Na osnovu člana 33 Zakona o upravnom postupku, nakon uvida u službenu evidenciju,
Prirodno-matematički fakultet izdaje

P O T V R D U

MSc Ilija Četković, student doktorskih studija na Prirodno-matematičkom fakultetu u Podgorici, dana 22.03.2023. godine, dostavio je ovom fakultetu doktorsku disertaciju pod nazivom „**HRSKAVIČAVE RIBE (CLASSIS CHONDRICHTHYES) U CRNOGORSKOM DIJELU JADRANA: DIVERZITET, ABUNDANCA I INTERAKCIJA SA RIBARSTVOM**“ na dalje postupanje.



V.F. DEKANA,
Prof. dr Miljan Bigović

UNIVERZITET CRNE GORE
PRIRODNO-MATEMATIČKI FAKULTET

Na osnovu člana 37. Pravila doktorskih studija Univerziteta Crne Gore dajem sljedeću

SAGLASNOST

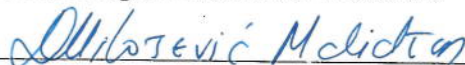
Rad pod nazivom „*Hrskavičave ribe (Classis: Chondrichthyes) u crnogorskom dijelu Jadrana: diverzitet, abundanca i interakcija sa ribarstvom*“ doktoranda MSc Ilije Četkovića zadovoljava kriterijume propisane Pravilima doktorskih studija Univerziteta Crne Gore i može se predati na ocjenu.

U Podgorici,

21.03.2023.

Mentor

Prof dr Dragana Milošević Malidžan





Ilija Četković

Državljanstvo: Crne Gore Datum rođenja: 11/08/1994 Pol: Muški

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O MENI

ResearchGate: https://www.researchgate.net/profile/Ilija_Cetkovic

Google Scholar: <https://scholar.google.com/citations?user=lp3YN7cAAAAJ&hl=sr&oi=ao>

ORCID ID: <https://orcid.org/0000-0003-3644-6859>

RADNO ISKUSTVO

Saradnik na projektu

Univerzitet Crne Gore - Institut za Biologiju Mora [03/2017 - 10/2019]

Grad: Kotor

Zemlja: Crna Gora

Ribarstveni biolog u Laboratoriji za ihtiologiju i morsko ribarstvo. Rad na sakupljanju podataka za monitoring privrednog ribarstva (DCF-DCRF), za potrebe Ministarstva Poljoprivrede, Šumarstva i Vodoprivrede.

Saradnik u istraživanju

Univerzitet Crne Gore - Institut za Biologiju Mora [11/2019 - Trenutno]

Grad: Kotor

Zemlja: Crna Gora

Ribarstveni biolog u Laboratoriji za ihtiologiju i morsko ribarstvo.

OBRAZOVANJE I OSPOSOBLJAVANJE

BSc biologije

Univerzitet Crne Gore - Prirodno-matematički fakultet [09/2013 - 07/2016]

Spec. sci ekologije

Univerzitet Crne Gore - Prirodno-matematički fakultet [09/2016 - 09/2017]

MSc biologije

Univerzitet Crne Gore - Prirodno-matematički fakultet [10/2017 - 07/2020]

Doktorand na studijskom programu biologija

Univerzitet Crne Gore - Prirodno-matematički fakultet [10/2020 - Trenutno]

JEZIČKE VEŠTINE

Maternji jezik ili jezici: srpski crnogorski

Drugi jezik/jezici:

engleski

SLUŠANJE B2 ČITANJE B2 PISANJE B2

GOVORNA PRODUKCIJA B2

GOVORNA INTERAKCIJA B2

DIGITALNE VEŠTINE

Microsoft Office / Google Drive / GIS - Basics / Fulcrum

PUBLIKACIJE

- Nuez, I., Giovos, I., Tiralongo, F., Penadés-Suay, J., **Četković, I.**, Di Lorenzo, M., Kleitou, P., Bakiu, R., Bradai, N. M., Almabruk, A. A. S., Spyridopoulou, R. N. A., Sabbio, A., & Gazo, M. (2023). Assessing the current status of *Hexanchus griseus* in the Mediterranean Sea using local ecological knowledge. *Marine Policy*, 147, 105378.
- Gallo, S., Mancusi, C., Abudaya, M., Rigers, B., Barash, A., Barone, M., Bottaro, M., Carbonara, P., Carlucci, R., **Četković, I.**, Clo, S., De Sabata, E., Enajjar, S., Shakman, E., Garibaldi, F., Giglio, G., Giovos, I., Kabasakal, H., Lanteri, L., Lelli, S., Lipej, L., Mazzoldi, C., Micarelli, P., Morey, G., Moro, S., Bradai, N. M., Notarbartolo di Sciarra, G., Romano, C., Saidi, B., Soldo, A., Sperone, E., Tiralongo, F., Zava, B., & Serena, F. (2022). Sightings of large elasmobranchs from the Mediterranean: new data from MEDLEM database in the last five years (2017–2022). *IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters (MetroSea)*. pp. 293-297.
- Pešić, A. & **Četković, I.** (2022). An important locality for elasmobranchs in the SE Adriatic Sea? Sharks and rays in the confined area – Bojana/Buna river estuary. *Sharks International 2022*. 20-22 October 2022, Valencia, Spain.
- **Četković, I.**, Jambura, P. L., Pešić, A., Ikica, Z., & Joksimović, A. (2022). Observations of juvenile sandbar sharks *Carcharhinus plumbeus* (Nardo, 1827) around the Bojana River delta (Southern Adriatic Sea). *Mediterranean Marine Science*, 23(4), 748–753.
- Tomanić, J., Pešić, A., Joksimović, A., Ikica, Z., Simonović, P., & **Četković, I.** (2022). New species of fish and crustaceans in Montenegrin waters (South Adriatic Sea). *Acta Adriatica*, 63(1), 109-122.
- **Četković, I.**, Pešić, A., Ikica, Z., Milošević, D. & Mrdak, D. (2022). Occurrences of rare and endangered elasmobranchs in by-catch of Montenegrin fisheries (South-Eastern Adriatic Sea). *Cahiers de Biologie Marine*, 63(3), 247-256.
- Kousteni, V., Anastasiadis, A., Bariche, M., Battaglia, P., Bonifazi, A., **Četković, I.**, Chimienti, G., Colombo, M., Constantinou, C., Maria Dalyan, C., Dogrammatzi, A., Domenichetti, F., El Zrelli, R., Fernández-Alfás, A., Kampouris, E. T., Kesici, N. B., C. Küpper, F., Lipej, L., Mancini, E., Manunza, B., Marcos, C., Mavrič, B., Mavruk, S., Mutlu, E., Özvarol, Y., Papadimitriou, E., Pešić, A., Pérez-Ruzafa, A., Pey, A., Poursanidis, D., Rizgalla, J., Samaha, Z., Stipa, M. G., Trkov, D., Türeli, C., Ventura, P., Yacoubi, L., Zacchetti, L., & Zava, B. (2022). New records of rare species in the Mediterranean Sea (May 2022). *Mediterranean Marine Science*, 23(3), 417–446.
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MREŽE I ČLANSTVA

Član ekspertske grupe za ajkule i raže Naučne komisije Mediterana (CIESM)

Link: <https://ciesm.org/marine/programs/seabirds/ciesm-elasmobranch-task-force/>

Član studijske grupe za interkalibraciju čitanja otolita demerzalnih vrsta riba FAO ADRIAMED projekta

VOZAČKA DOZVOLA

Vozačka dozvola: B

KONFERENCIJE I SEMINARI

-
- Sharks International 2022, Valencia, Spain (2022)
- 2nd Southeast European Ichthyological Conference, Brač, Croatia (2022)
- MedPAN workshop on managing highly mobile species across Mediterranean MPAs, Akyaka, Turkey (2019)
- IUCN Meeting on Mediterranean Shark and Ray Conservation, Palma de Mallorca, Spain (2019)
- FAO Workshop on pond aquaculture, intensive fish farming, artificial reproduction, fish genetics and breeding and the conservation of genetic resources, Vodňany, Czech Republic (2019)
- GFCM Forum on fisheries science in the Mediterranean and Black Sea (FishForum), Rome, Italy (2018)
- FAO/GFCM/JRC Summer school in quantitative fisheries stock assessment, Mazzara del Vallo, Sicily, Italy (2018)
- International School of Marine Conservation Science at FAMNIT – University of Primorska, Koper, Slovenia (2018)
- Workshop on fisheries management measures in NATURA 2000 sites in the Mediterranean Sea, Zadar, Croatia (2017)
- OGS Institute's Advance training school in sustainable blue growth, Trieste, Italy (2017)

- Training for planning the management of marine protected areas, Dubrovnik, Croatia (2016)
- Identification and management of NATURA 2000 sites at sea, Dubrovnik, Croatia (2016)

PROJEKTI

- Distribution and conservation of vulnerable Blue shark (*Prionace glauca* L.) in coastal waters of Montenegro, funded by The Rufford Foundation
- Action for ecological valorisation of Buljarica cove, funded by Critical Ecosystem Partnership Fund
- Reducing the negative impact of tuna fisheries on pelagic sharks and their conservation in Montenegrin part of the Adriatic Sea, funded by The Rufford Foundation
- Determination of fishing effort on sharks by Montenegrin marine fisheries and multi-stakeholder informing about conservation of these endangered species, funded by The Rufford Foundation
- HEXMED project, funded by The Shark Foundation
- Monitoring discards in Mediterranean and Black Sea fisheries
- Support to Implementation and Monitoring of Water Management in Montenegro (EuropeAid/139429/IH/SER/ME)
- Educational Capacity Strengthening for Risk Management of Non-native Aquatic Species in Western Balkans (Albania, Bosnia and Herzegovina and Montenegro) - RiskMan
- Participatory model for the sustainable management of marine and coastal resources and for cross border habitats, biodiversity and ecosystem services safeguard (BLUE LAND)
- Mediterranean Elasmobranchs Citizen Observations (M.E.C.O.)
- FAO AdriaMed Project, Food and Agriculture Organization of the United Nations

HOBII I INTERESOVANJA

Ribolov

Posjedujem znanje i vještine iz oblasti pomorstva i svih tipova ribarstva, uključujući i privredni i sportsko-rekreativni ribolov. Posjedujem dozvolu za upravitelja čamca do 11 metara dužine.

VOLONTIRANJE

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Observations of juvenile sandbar sharks *Carcharhinus plumbeus* (Nardo, 1827) around the Bojana River delta (Southern Adriatic Sea)

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Abstract

The sandbar shark (*Carcharhinus plumbeus*) is considered rare in the Adriatic Sea and the majority of records originate from the northern Adriatic, where a nursery area for this species close to the Po delta system has been repeatedly proposed. This study provides 5 new records and analyses the previously published records of sandbar sharks recorded around the delta of the River Bojana (in Montenegro, in the south-eastern Adriatic). The River Bojana located on the border between Montenegro and Albania, is the second largest river flowing into the Adriatic Sea, where it forms a highly productive ecosystem already known as a local hotspot for smooth-hound sharks (*Mustelus* spp.). New records of sandbar sharks have emerged as a result of citizen science (a social media survey) and direct reports from fishermen. The total length of *C. plumbeus* juveniles ranged from approximately 800 mm to 1100 mm, and most (n=5) were caught by set-gillnets. The data presented here show that juveniles are consistently present around the estuary and indicate the importance of this fragile estuarine ecosystem for sandbar sharks. Additionally, this study also provides morphometric data collected from a single individual.

Keywords: elasmobranchs; shark nursery area; estuary; Adriatic Sea; Montenegro.

Introduction

The sandbar shark (*Carcharhinus plumbeus* (Nardo, 1827)) is present across the entire Mediterranean basin but is considered rare in all its sub-regions, including the Adriatic Sea (Serena *et al.*, 2020). This large coastal shark species can grow up to 300 cm, but commonly to 240 cm in total length (Serena, 2005) and, due to its slow growth, late maturation and low fecundity (1-14 pups every second year) it is highly vulnerable to overfishing (Dulvy *et al.*, 2016). According to the IUCN Red List, the sandbar shark is currently declared endangered (EN) in the Mediterranean Sea (Ferretti *et al.*, 2016). Although generally considered rare, temporal aggregations of this species occur in the Mediterranean Sea and have recently been considered a potential tourism attraction (Zemali Shamir *et al.*, 2019; Cattano *et al.*, 2021).

The sandbar shark is the only species of the genus *Carcharhinus* that is known to inhabit the Adriatic Sea (Kovačić *et al.*, 2020). Most of the records of this species in this area were reported from its northern region,

especially around the delta of the River Po (Lipej *et al.*, 2008; Jambura *et al.*, 2021), while it has also been recorded in the middle Adriatic Sea (Dragičević *et al.*, 2010). The high number of neonates and juveniles in this area lead several authors to propose that the Northern Adriatic basin might serve as a nursery area for this species (Costantini & Affronte, 2003; Lipej *et al.*, 2008; Jambura *et al.*, 2021). The presence of this species in the Southern Adriatic Sea has been indicated before, but on the basis of only a few specimens (Jambura *et al.*, 2021). Here, we report additional records of the sandbar shark from the delta of the River Bojana and discuss its potential role as an important habitat for this rare shark species.

Materials and Methods

The River Bojana represents the second largest inflow into the Adriatic Sea (Perković & Sekulić, 2019), which has a great influence on the wider area, supplying it with fine sediment and nutrients. The nearby Velika plaža rep-

represents the longest sandy beach in the entire Adriatic basin, with a length of approximately 12 km (Šile *et al.*, 2016). The beach itself and its hinterland are recognized as important conservation areas for a variety of reasons. Velika plaža is known for its sand dunes and their associated unique vegetation as a highly vulnerable ecosystem (Stešević *et al.*, 2020; Šile *et al.*, 2020). The beach has been recognized as a natural monument by the national legislation of Montenegro and several NATURA 2000 habitats have been designated in this area and its hinterland (Stešević *et al.*, 2020). The delta of the River Bojana and its surrounding area have been recognized as a local hotspot for coastal sharks of the genus *Mustelus*, which represent a common and traditional catch and which are considered target species by local fishermen (Četković, 2018).

The sandbar shark records described here were either reported by fishermen, or else were obtained through literature research and citizen science (social media surveys). All the individuals were caught as by-catch of local small-scale fisheries using set gillnets or longlines. Only one individual was obtained intact and was examined in the Laboratory for Ichthyology and Marine Fisheries at the Institute of Marine Biology in Kotor, Montenegro. Detailed morphometric measurements were taken to the nearest mm according to Compagno (2001) and expressed as a percentage of total length (TL). For the remaining individuals, photo documentation was obtained, and the total length (TL) and weight (W) were estimated. Each fisherman who caught an individual was asked to measure or estimate its TL and its W. Photos of all the individuals, except one, had other items (e.g., a bucket or other fish) placed next to the shark. The fishermen were asked to estimate the total length and/or weight of the animals, because they handled the individuals directly and were therefore less susceptible to the bias that might be expected from estimating from photographs. Additionally, geographical coordinates were obtained from the fishermen who reported the catches.

The specimens were identified on the basis of photographic material or the specimen itself as described in Serena (2005), with: (1) the 1st dorsal-fin origin over pectoral-fin base, (2) a very tall 1st dorsal fin, and (3) the presence of an interdorsal ridge. One preserved individual was donated to the Natural History Museum of Montenegro in Podgorica and is registered under serial number 15400 (collector number R178).

Results

A total of seven sandbar shark records were obtained from the area of the delta of the River Bojana between 2014 - 2022 (Fig. 1, Table 1). Most of the individuals were juveniles (n=6), ranging from approximately 800 - 1100 mm in TL, while one was considered a subadult due to it having a TL of 1500 mm. Five were caught using set gillnets, one by a bottom longline and one by a drifting longline. They were caught both in warmer and colder months in coastal area (Table 1), without an observable pattern, at depths of up to 100m (Fig. 1). All but one individual were disposed of before the authors were informed of their capture. The single individual caught on 15.02.2022 was examined at the Institute of Marine Biology in Kotor (Montenegro). Its morphometric measurements are provided in Table 2.

Discussion

Previous studies have suggested that the Northern Adriatic basin might serve as a nursery ground for sandbar sharks (Costantini & Affronte, 2003; Lipej *et al.*, 2008). It was proposed that the high concentration of neonates and juveniles in the northern Adriatic Sea is likely directed by the influx of the River Po, which makes this area a highly productive ecosystem (see Jambura *et al.*, 2021 and discussion therein). Estuaries are known to play

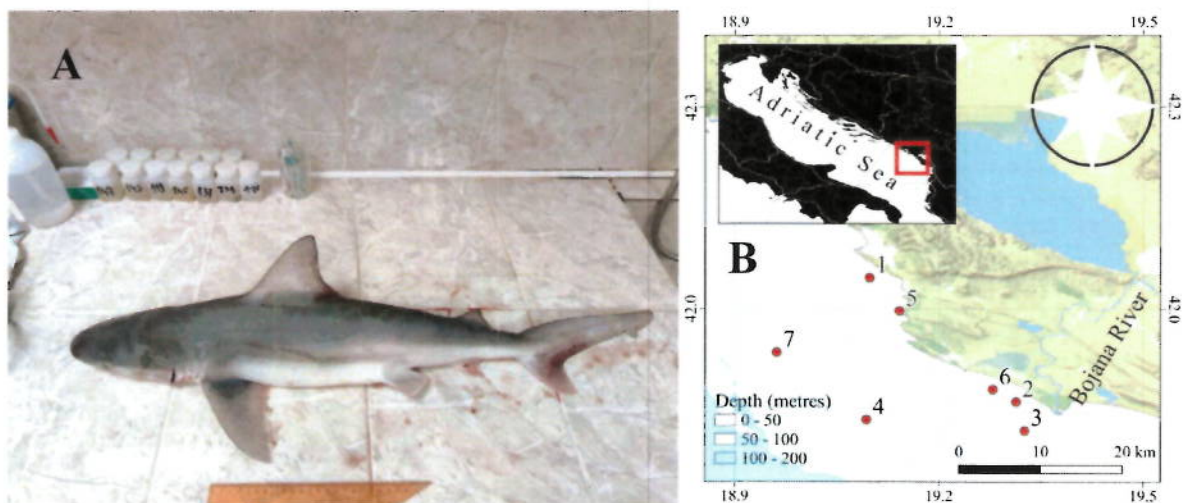


Fig. 1: The individual measured at the Institute of Marine Biology in Kotor (A) and the locations of sandbar shark catches in the area of the delta of the River Bojana (B).

Table 1. Records of sandbar sharks from the area around the delta of the River Bojana.

Ind. no.	Date	Total length (TL/mm)*	Weight (W/kg)*	Life stage	Fishing gear	Source
1	2014	800*	2*	Juvenile	Gillnet	Citizen science
2	2016	-	4*	Juvenile	Gillnet	Citizen science
3	14.05.2017.	1100*	2.8	Juvenile	Gillnet	Jambura <i>et al.</i> (2021)
4	29.08.2020.	1500*	35	Subadult	Drifting longline	Jambura <i>et al.</i> (2021)
5	23.02.2021.	800*	2.5*	Juvenile	Gillnet	Fisherman's report
6	12.03.2021.	1100*	3.5*	Juvenile	Gillnet	Fisherman's report
7	15.02.2022.	870	2.95	Juvenile	Bottom longline	Fisherman's report

*The measurement is estimated

Table 2. Morphometric measurements of the sandbar shark recorded on 15.02.2022.

Measurement	mm	% of TL	Measurement	mm	% of TL
Total length (TL)	870	100	Second dorsal-fin inner margin (D2I)	28	3.22
Fork length (FL)	670	77.01	Second dorsal-fin posterior margin (D2P)	40	4.6
Precaudal-fin length (PCL)	600	68.97	Pelvic-fin length (P2L)	70	8.05
Pre-second dorsal-fin length (PD2)	515	59.2	Pelvic-fin anterior margin (P2A)	43	4.94
Pre-first dorsal-fin length (PD1)	243	27.93	Pelvic-fin base (P2B)	44	5.06
Head length (HDL)	208	23.91	Pelvic-fin height (P2H)	38	4.37
Prebranchial length (PG1)	155	17.82	Pelvic-fin inner margin length (P2I)	29	3.33
Preorbital length (POB)	63	7.24	Pelvic-fin posterior margin length (P2P)	54	6.21
Prepectoral-fin length (PP1)	202	23.22	Anal-fin length (ANL)	65	7.47
Prepelvic-fin length (PP2)	398	45.75	Anal-fin anterior margin (ANA)	53	6.09
Snout-vent length (SVL)	425	48.85	Anal-fin base (ANB)	41	4.71
Preanal-fin length (PAL)	505	58.05	Anal-fin height (ANH)	33	3.79
Interdorsal space (IDS)	183	21.03	Anal-fin inner margin (ANI)	29	3.33
Dorsal caudal-fin space (DCS)	54	6.21	Anal-fin posterior margin (ANP)	35	4.02
Pectoral-fin pelvic-fin space (PPS)	199	22.87	Dorsal caudal-fin margin (CDM)	218	25.06
Pelvic-fin anal-fin space (PAS)	69	7.93	Preventral caudal-fin margin (CPV)	83	9.54
Anal-fin caudal-fin space (ACS)	61	7.01	Upper postventral caudal-fin margin (CPU)	122	14.02
Pelvic-fin caudal-fin space (PCA)	163	18.74	Lower postventral caudal-fin margin (CPL)	46	5.29
Vent caudal-fin length (VCL)	307	35.29	Caudal-fin fork width (CFW)	59	6.78
Prenarial length (PRN)	40	4.6	Caudal-fin fork length (CFL)	68	7.82
Preoral length (POR)	63	7.24	Subterminal caudal-fin margin (CST)	19	2.18
Eye length (EYL)	17	1.26	Subterminal caudal-fin width (CSW)	25	2.87
Eye height (EYH)	11	1.26	Terminal caudal-fin margin (CFR)	50	5.75
Subocular pocket depth (SOD)	2	0.23	Terminal caudal-fin lobe (CTL)	55	6.32
Intergill length (ING)	47	5.4	Head height (HHD)	95	10.92
First gill slit height (GS1)	25	2.87	Trunk height (TRH)	110	12.64
Second gill slit height (GS2)	26	2.99	Abdomen height (ABH)	108	12.41

Continued

Table 2 continued

Measurement	mm	% of TL	Measurement	mm	% of TL
Third gill slit height (GS3)	27	3.1	Tail length (TAH)	79	9.08
Fourth gill slit height (GS4)	24	2.76	Caudal-fin peduncle height (CPH)	35	4.02
Fifth gill slit height (GS5)	20	2.3	Head width (HDW)	111	12.76
Pectoral-fin length (PIL)	93	10.69	Trunk width (TRW)	115	13.22
Pectoral-fin anterior margin (PIA)	140	16.09	Abdomen width (ABW)	95	10.92
Pectoral-fin radial length (PIR)	115	13.22	Tail width (TAW)	70	8.03
Pectoral-fin base (PIB)	61	7.01	Caudal-fin peduncle width (CPW)	30	3.45
Pectoral-fin inner margin (PII)	42	4.83	Second dorsal-fin insertion anal-fin insertion (DAI)	0	0
Pectoral-fin posterior margin (PIP)	119	13.68	Second dorsal-fin origin anal-fin origin (DAO)	0	0
Pectoral-fin height (PIH)	125	14.37	First dorsal-fin midpoint pectoral-fin insertion (DPI)	72	8.28
First dorsal-fin length (D1L)	127	14.6	First dorsal-fin midpoint pelvic-fin origin (DPO)	125	14.37
First dorsal-fin anterior margin (D1A)	110	12.64	Pelvic-fin midpoint first dorsal-fin insertion (PDI)	103	11.84
First dorsal-fin base (D1B)	94	10.8	Pelvic-fin midpoint second dorsal-fin origin (PDO)	82	9.43
First dorsal-fin height (D1H)	81	9.31	Mouth length (MOL)	40	4.6
First dorsal-fin inner margin (D1I)	35	4.02	Mouth width (MOW)	73	8.39
First dorsal-fin posterior margin (D1P)	103	11.84	Nostril width (NOW)	14	1.61
Second dorsal-fin length (D2L)	63	7.24	Intermarginal space (INW)	48	5.52
Second dorsal-fin anterior margin (D2A)	39	4.48	Anterior nasal-flap length (ANF)	5	0.57
Second dorsal-fin base (D2B)	33	3.79	Interorbital space (INO)	88	10.11
Second dorsal-fin height (D2H)	24	2.76	Weight (W)	2.95 kg	

a significant role in the life cycle of sandbar sharks and serve as important habitats for juveniles (Collatos *et al.*, 2020).

Almost all the sandbar shark records from Montenegrin waters were located around the delta of the River Bojana, suggesting that this confined area might be another important locality for this endangered coastal shark in the Adriatic Sea. This estuarine ecosystem is highly productive and rich in different food sources, which makes it favorable for numerous species. The records presented here span a nine-year period and show the continued presence of this coastal shark in the target area. However, the reported abundance of this species was rather low, which might be the result of the small number of fishing vessels operating along the Montenegrin coast (Pešić *et al.*, 2021).

Previously, the presence of even a few neonate and juvenile sharks was often considered to be an indicator for a potential nursery area (Costantini & Afronzo, 2003; Bažusta *et al.*, 2021). An overview of the main areas where juvenile and neonate sandbar sharks are found in the Mediterranean Sea is given in Figure 2 (Bažusta *et al.*, 2021 and references therein). Even though several young juveniles were recorded around the Bojana estuary, the

absence of neonate and pregnant sandbar sharks do not qualify it to be a primary nursery area (an area where young sharks are born; Bass, 1978). Nonetheless, the River Bojana seems to be an important habitat for older juvenile sandbar sharks, and thus could potentially serve as a secondary nursery area (an area where slightly older juveniles remain for an extended period as they grow to maturity; Bass, 1978). Heupel *et al.* (2007) defined shark nurseries based on three criteria: (1) juvenile sharks are more common in this area than in other areas; (2) they remain or return for extended periods; (3) the area is utilized repeatedly over several years. Because of the rarity of sandbar sharks in the entire Adriatic Sea and across the Mediterranean basin more generally, areas proposed as nursery grounds often fail to comply with these criteria and it is doubtful whether all of them are in fact true nursery grounds. To prove the presence of nursery areas, significant efforts, i.e. scientific surveys, are needed to make such conclusions. Nonetheless, as our understanding of the biology and ecology of sharks and rays in the Mediterranean Sea is still mostly limited by a lack of available data, studies such as the current one can shed light on the distribution of specific species and thus provide the first

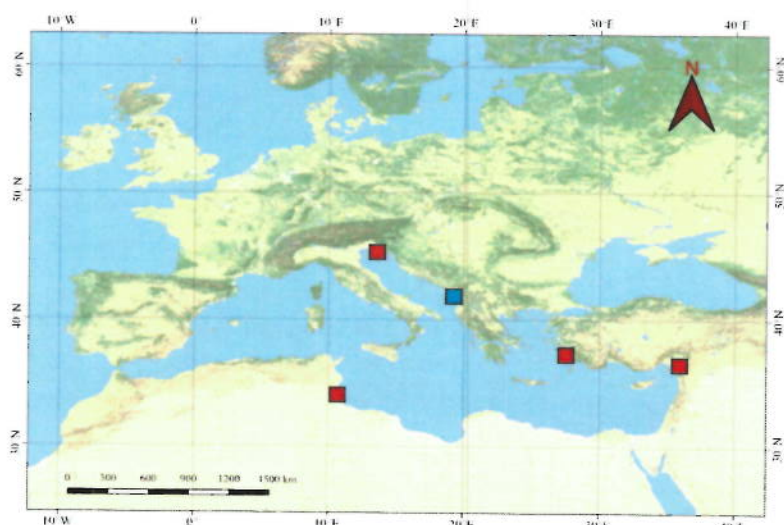


Fig. 2: The main areas where *C. plumbeus* juvenile forms occur in the Mediterranean Sea (red) and the location of delta of the River Bojana (blue).

results on which future studies and surveys can build.

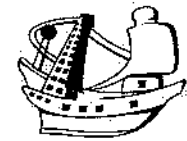
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Occurrence of rare and endangered elasmobranchs in by-catch of Montenegrin fisheries (South-Eastern Adriatic Sea)

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Abstract: Elasmobranchs are among the most endangered marine species nowadays and many of them are threatened with extinction. The Adriatic Sea represents the northernmost arm of the Mediterranean Sea and is an ecosystem affected with centuries-long exploitation of marine resources. The data presented here date from the period from June 2015 to September 2020 and describes occurrences of elasmobranchs, considered to be either rare or endangered by the Data Collection Reference Framework (DCRF) manual of the General Fisheries Commission for the Mediterranean and Black Sea (GFCM). The data were obtained primarily from the commercial fishing fleet of Montenegro, with some provided by recreational fishermen, and located in the South-Eastern Adriatic Sea (GSA 18). The data were gathered from official DCRF data, scientific surveys and citizen science. Nine species listed as either rare or endangered in the DCRF Manual were found to be present in catches, among which the blue shark *Prionace glauca* (Linnaeus, 1758) was the most frequently encountered species. There were also occurrences of 5 more shark species and 3 batoids. The greatest numbers of records were observed in pelagic longline fishery and recreational big game fishing.

Résumé : Présence d'élasmobranches rares et en voie de disparition dans les captures accessoires des pêcheries du Monténégro (sud-est de la Mer Adriatique). Les élasmobranches sont actuellement parmi les espèces marines les plus en voie de disparition et beaucoup sont menacées d'extinction. La Mer Adriatique représente le bras de mer le plus septentrional de la Mer Méditerranée, c'est un écosystème affecté par des siècles d'exploitation des ressources marines. Les données présentées ici datent de la période allant de juin 2015 à septembre 2020 et décrit la présence des élasmobranches considérés comme rares ou en voie de disparition dans le manuel du cadre de référence des données collectées (DCRF) de la commission générale des pêcheries pour la Mer Méditerranée et la Mer Noire (GFCM). Les données ont été principalement obtenues de la flotte professionnelle de pêche du Monténégro, ainsi que de quelques pêcheurs amateurs, localisés dans le sud-est de la Mer Adriatique (GSA 18). Les données ont été extraites des données officielles du DCRF, de suivis scientifiques et d'opérations de science participative. Neuf espèces référencées comme rares ou en voie de disparition dans le manuel de la DCRF ont été capturées, parmi lesquelles le requin peau bleue *Prionace glauca* (Linnaeus, 1758) était le plus fréquent. 5 autres requins et 3 raies baléïdes ont également été capturés. Les signalements les plus nombreux ont été observés pour la pêcherie à la palangre et pour la pêche au gros récréative.

Keywords: By-catch • Blue shark • Adriatic Sea • Threatened • Elasmobranchs



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Na osnovu člana 51, 52 i 53 Zakona o naučnoistraživačkoj djelatnosti ("Službeni list Crne Gore", br. 080/10 40/11 i 057/14 od 26.12.2014) i člana 32 stav 1 tačka 9 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore, na sjednici održanoj 08.05. 2018.godine, donio je

O D L U K U **O IZBORU U ZVANJE**

Dr ANA PEŠIĆ bira se u naučno zvanje viši naučni saradnik za oblast **Morsko ribarstvo-Pelegični resursi u Institutu za biologiju mora**, na period od pet godina.



SENAT UNIVERZITETA CRNE GORE
PREDSJEDNIK

Prof.dr Danilo Nikolić, rektor

BIOGRAFIJA

Rođena sam 31.12.1978. godine u Kosovskoj Mitrovici, Republika Srbija. Od 2007. godine mjesto boravka mi je u Kotoru, Crna Gora.

Osnovnu i srednju medicinsku školu završila sam u Kragujevcu 1997. godine.

Godine 1997/98. godine upisala sam Prirodno-matematički fakultet u Kragujevcu, smjer Biologija, odsjek Ekologija. Diplomirala sam u oktobru 2003. godine sa prosječnom ocjenom 8.62 i 10 na diplomskom ispitu, čime sam stekla zvanje diplomirani biolog-ekolog.

Doktorsku disertaciju pod nazivom »RIBARSTVENO - BIOLOŠKA ISTRAŽIVANJA JUVENILNE SRDELE (Sardina pilchardus Walbaum 1792.) u KOTORSKOM ZALIVU« odbranila sam u oktobru 2011. godine na Biološkom fakultetu, Univerziteta u Beogradu.

U periodu 2004-2007. godine bila sam primalac stipendije za postdiplomske studije Ministarstva nauke Srbije i Crne Gore.

Tokom svog profesionalnog rada u Institutu za biologiju mora bila sam saradnik na nacionalnim projektima vezanim za procjene biomase demersalnih i pelagičnih resursa Crnogorskog primorja kao i određivanje optimalnog nivoa njihovog korišćenja, koje Institut radi u okviru razvojnih programa Ministarstva poljoprivrede, šumarstva i vodoprivrede Crne Gore (MPŠV). Aktivno učestvujem u međunarodnim projektima naučnog istraživanja ribarstva u Jadranu (MEDIAS, MEDITS i FAO AdriaMed). Član sam radnih grupa FAO AdriaMed-a i GFCM-a (Generalna Komisija za ribarstvo Mediterana) za procjenu stanja pelagičnih ribljih resursa u Jadranu i pripremu planova upravljanja. Od strane MPŠV imenovana sam za nacionalnog koordinatora za prikupljanje bioloških podataka u okviru DCF/DCRF programa i nacionalnog koordinatora za Program monitoringa prilova, prema GFCM-u. Kao istraživač, učestvovala sam i rukovodila međunarodnim istraživačkim projektima finansiranim u okviru IPA, IPARD, HERD, MAREA, Erasmus fondova. Član sam pregovaračkih radnih grupa za pripremu pregovora Crne Gore sa EU za poglavlja 13 - Ribarstvo i 18 - Statistika, te za izmjene i dopune Zakona o morskom ribarstvu i marikulturi i pratećih dokumenata. Učestvovala sam u izradi Strategije ribarstva Crne Gore 2015-2020 i 2022-2027, sa Akcionim planom za prenošenje, implementaciju i prevođenje pravne tekovine EU.

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Na osnovu člana 72 stav 2 Zakona o visokom obrazovanju („Službeni list Crne Gore“ br. 44/14, 47/15, 40/16, 42/17, 71/17) i člana 32 stav 1 tačka 9 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore, na sjednici održanoj 03.07.2018.godine, donio je

ODLUKU O IZBORU U ZVANJE

Dr DANILO MRDAK bira se u akademsko zvanje vanredni profesor Univerziteta Crne Gore za oblast Ihtiologija i Konzervaciona biologija na **Prirodno-matematičkom fakultetu**, na period od 5 godina.



**SENAT UNIVERZITETA CRNE GORE
PREDSJEDNIK**

Prof.dr Danilo Nikolić, rektor

BIOGRAFIJA

Roden sam 01.07.1976. godine u tadašnjem Titogradu (Podgorica), gdje sam završio osnovnu (»Sutjestka«) i srednju školu (gimnazija »Slobodan Škerović«).

Školske 1995/96 godine upisao sam studije Biologije (Opšta Biologija, 9 semestara) na Biološkom fakultetu, Univerziteta u Beogradu gdje sam u septembru 2000. Godin diplomirao sa diplomskim radom „Ekološko upoređivanje zajednica riba u Sutomoru i u Ljutoj“ sa prosječnom ocjenom studiranja 9,27 i tako steako zvanje diplomiranog biologa.

Poslijediplomske studije upisao sam školske 2000/2001. godine na Biološkom fakultetu Univerziteta u Beogradu (smjer: Biologija izabranog taksona – *pisces*, 6 semestara) i 2003. godine završio ih sa prosječnom ocjenom 10. Magistarsku tezu pod nazivom: “*Taksonomska i ekološka karakterizacija ihtiofaune infralitorala južnog Jadrana*” odbranio sam 15. 12. 2003. godine i stekao zvanje magistra bioloških nauka.

Doktorsku disertaciju pod nazivom: “*Pastrmke (Salmo L., 1758) rijeka Crne Gore – diverzitet, taksonomski status i filogenetski odnosi*”, odbranio sam 01. 07. 2011. godine, na Biološkom fakultetu Univerziteta u Beogradu i stekao zvanje doktora bioloških nauka. Rješenje o priznavanju Uvjerenja o stečenom naučnom stepenu Doktora bioloških nauka izdato mi je od strane Ministarstvo prosvjete i sporta, Vlade Crne Gore, 14. septembra 2011. godine.

Studijski boravci

Jun 2004 – Biotehnički fakultet, Laboratorija za Genetiku, Univerzitet u Ljubljani
April - Maj 2005 – Biotehnički fakultet, Laboratorija za Genetiku, Univerzitet u Ljubljani
Novembar 2005 – Biotehnički fakultet, Laboratorija za Genetiku, Univerzitet u Ljubljani
Jun- Jul 2006 – Hellenic Insititute for Marine Research
Novembar 2006 - Hellenic Institute for Marine Research
April 2008 – Institute of Zoology, Karl – Franzens University of Graz
Oktober 2009 - Institute of Zoology, Karl – Franzens University of Graz
April 2016 – Institute for fishery – Potsdam, Germany

Podaci o radnim mjestima i izborima u zvanja

- Od oktobra 2000. godine zasnovao sam radni odnos na Prirodno-matematičkom fakultetu u Podgorici (Studijski program Biologija), gdje sam marta 2001. godine izabran u zvanje saradnika u nastavi. U toku svog desetogodišnjeg staža asistirao sam u laboratorijskim vježbama i izvodio praktičnu nastavu na predmetima: *Biologija Mora, Ekologija životinja, Zoologija Invertebrata, Ekologija životinja I i II, Sistematika algi, gljiva i lišajeva, Krenobiologija, Ekologija populacija i Biocenologija* a sve na akademskom i specijalističkom studijeskom programu Biologija.
- U vremenskom intervalu 2006 – 2009 bio sam predstavnik saradnika u nastavi u sazivu Senata Univerziteta Crne Gore.
- 2012 godine u julu biram sa u zvanje Docneta za predmete: Konzervaciona biologija, Genetika populacija i Principi održivog razvoja

- 2013 – 2016 obavljao sam dužnost prodekana za međunarodnu saradnju i nauku na Prirodno-matematičkom fakultetu
- 2016 obavljao sam dužnost VD rukovodioca Studijskog Programa Biologija na Prirodno-matematičkom fakultetu
- Od 2014 godine držim nastavu iz predmeta Osnovi prirodnih nauka I (Biologija sa ekologijom na studijskom programu Obrazovanje učitelja – Filozofski fakultet kao i predmet Osnovi humane genetike na studijskom programu Psihologija – Filozofski fakultet.
- 2015-2016 obavljao sam dužnost V.D. rukovodioca studijskog programa Biologija na Prirodno-matematičkom fakultetu.
- 2018 godine biram se u zvanje Venrednog profesora za predmete: Konzervaciona biologija, Genetika populacija i Principi održivog razvoja

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ODLUKU O IZBORU U ZVANJE

Dr DRAGANA MILOŠEVIĆ bira se u akademsko zvanje vanredni profesor Univerziteta Crne Gore za oblast Zoologija kičmenjaka na Prirodno-matematičkom fakultetu, na period od 5 godina.



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BIOGRAFIJA

Rođena sam 25.02.1978. godine u Podgorici, gdje sam završila osnovnu ("Šutjeska") i srednju školu (gimnazija "Slobodan Škerović").

Prirodno-matematički fakultet, Odsjek za Biologiju upisala sam 1996 godine. Diplomirala sam 2001. godine sa prosječnom ocjenom 9,72 i tako stekla zvanje diplomiranog biologa.

Postdiplomske studije na Biološkom fakultetu u Beogradu smjer Citologija upisala sam 2001. godine. Zvanje magistra bioloških nauka stekla sam 22.04.2005. godine odbranom magistarskog rada pod nazivom "Primjena histochemijskih metoda u morfološkoj analizi nervnog tkiva elazmobranhija (*Torpedo marmorata* i *Scyliorhinus canicula*) i košljoriba (*Carassius auratus* i *Serranus scriba*)".

Doktorsku disertaciju pod nazivom: „Morfološka, ekološka i genetička diferencijacija vrsta roda *Rutilus* Rafinesque, 1820 (Teleostei: Cyprinidae) iz Skadarskog jezera“, odbranila sam 16.01.2012. godine, na Prirodno-matematičkom fakultetu, Studijski program Biologija, u Podgorici i stekla zvanje doktora bioloških nauka.

Studijski boravci:

- Februar 2009 – Institute of Zoology, Karl-Franzens University of Graz
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- Maj 2010 – Institute of Zoology, Karl-Franzens University of Graz
- Jul-Avgust 2011 – Institute of Zoology, Karl-Franzens University of Graz

Od 2002. godine zasnovala sam radni odnos na Prirodno-matematičkom fakultetu u Podgorici (Studijski program Biologija). U toku desetogodišnjeg radnog iskustva asistiralah sam u laboratorijskim vježbama na predmetima: Sistematika i uporedna anatomija kičmenjaka I i II, Limnologija, Hidrobiologija, Biogeografija i Metode istraživanja u ekologiji na studijskom programu Biologija, Prirodno-matematičkog fakulteta i Ribarstvo na Biotehničkom fakultetu – smjer Stočarstvo. 2013. godine izabrana sam u akademsko zvanje docenta za predmete: Sistematika i uporedna anatomija kičmenjaka I, Sistematika i uporedna anatomija kičmenjaka II na Prirodno-matematičkom fakultetu i Zoologija na Biotehničkom fakultetu, 2018. godine u zvanje vanredni profesor.

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Freyhof, J., S. Weiss, A. Adrović, M. Čaleta, A. Duplić, B. Hrašovec, B. Kalamujić, Z. Marčić, **D. Milošević, D., M. Mrakovčić, D. Mrdak, M. Piria, U. Schwarz, P. Simonović, S. Šijuka, T. Tomljanović, & D. Zabrić.** 2015. The Huchen Hucho hucho in the Balkan region: Distribution and future impacts by hydropower development. RiverWatch & EuroNatur, 30 pp.

Marčić, Z., Mrdak, D., **Milošević, D., Simonović, P., Piria, M., Kalamujić, B., Weiss, S. and Freyhof, J.** (2014). Halting the loss of biodiversity – the Huchen in the Danube. *Newsletter of IUCN SSC/WI Freshwater Fish Specialist Group* (Saving freshwater fishes and habitats, 5: 18-19.

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Stešević, D., **Milošević, D.** i Petrović, D. (u štampi). Vodič kroz živi svijet Durmitora. ISBN 978-86-909-417-8-0. Regionalni centar za životnu sredinu za Centralnu i Istočnu Evropu (REC), Kancelarija u Crnog Gori, 240 pp.



**Matični odbor za područje prirodnih znanosti
- polje biologije**

KLASA: UP/I-640-03/20-01/0900

URBROJ: 355-06-04-20-0002

Zagreb, 30. listopada 2020.

Na temelju članka 33. i 35. Zakona o znanstvenoj djelatnosti i visokom obrazovanju (NN 123/03, 198/03, 105/04, 174/04, 46/07, 45/09, 63/11, 94/13, 139/13, 101/14, 60/15 i 131/17) Matični odbor za područje prirodnih znanosti – polje biologije, na 14. sjednici održanoj 30. listopada 2020. donosi

ODLUKU
o izboru u znanstveno zvanje

Dr. sc. BRANKO DRAGIČEVIĆ, znanstveni suradnik Instituta za oceanografiju i ribarstvo Split, izabire se u znanstveno zvanje višeg znanstvenog suradnika u području prirodnih znanosti, u znanstvenom polju biologije.

O b r a z l o ž e n j e

Sukladno članku 33. i 35. Zakona o znanstvenoj djelatnosti i visokom obrazovanju pristupnik dr. sc. Branko Dragičević, podnio je 7. svibnja 2020. Institutu za oceanografiju i ribarstvo Split, zahtjev za izbor u znanstveno zvanje višeg znanstvenog suradnika u znanstvenom području prirodnih znanosti, znanstvenom polju biologije.

Na prijedlog Stručnog povjerenstva imenovanog na sjednici Znanstvenog vijeća Instituta za oceanografiju i ribarstvo Split 21. svibnja 2020., koje je za pristupnika dalo svoje mišljenje o ispunjenju uvjeta iz čl. 7. Pravilnika o uvjetima za izbor u znanstvena zvanja (NN 28/17, 72/19), Znanstveno vijeće Instituta za oceanografiju i ribarstvo Split na svojoj sjednici održanoj 28. rujna 2020. utvrdilo je da pristupnik ispunjava sve uvjete za izbor u znanstveno zvanje višeg znanstvenog suradnika znanstvenom području prirodnih znanosti – polje biologije.

Temeljem članka 35. stavka 5. Zakona o znanstvenoj djelatnosti i visokom obrazovanju matični odbor ovlašten je potvrditi ili ne potvrditi mišljenje i prijedlog organizacije ovlaštene za provođenje dijela postupaka o izboru pristupnika/pristupnice u znanstveno zvanje.

Matični odbor prihvatio je prijedlog Znanstvenog vijeća Instituta za oceanografiju i ribarstvo Split na 14. sjednici održanoj 30. listopada 2020. te izabrao pristupnika u znanstveno zvanje višeg znanstvenog suradnika.

UPUTA O PRAVNOM LIJEKU: Protiv Odluke o izboru u znanstveno zvanje pristupnik nema pravo žalbe, ali može pokrenuti upravni spor pred Upravnim sudom u Splitu u roku od 30 dana od dana dostave pristupniku. Tužba se predaje Upravnom sudu u Splitu neposredno u pisanim obliku, usmeno na zapisnik ili se šalje poštom odnosno dostavlja elektronički.



Odluka se dostavlja:

1. dr. sc. Branko Dragičević
2. Institut za oceanografiju i ribarstvo Split
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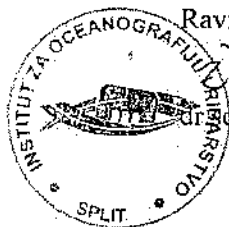
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Split, 20.03.2023.
Broj: 29/9/23

POTVRDA

Kojom potvrđujem da je dr.sc. BRANKO DRAGIČEVIĆ zaposlen u Institutu za oceanografiju i ribarstvo na neodređeno vrijeme od 28.12.2006.

Ova potvrda se daje na zahtjev imenovanog a služi u svrhu dokazivanja zaposlenja.



Ravnateljica

dr.sc. Živana Ninčević Gladan

Ninčević

Curriculum vitae

Ime i prezime: Branko Dragičević

Datum i mjesto rođenja: 03.07.1980. Split

Adresa stanovanja: Šime Ljubića 13, 21000 Split, Croatia

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Obrazovanje:

1999 – 2006 Diplomski sveučilišni studij biologije i ekologije mora – Sveučilište u Splitu, Sveučilišni studijski centar za studije mora – Zvanje dipl. ing. biologije i ekologije mora, diplomski rad pod naslovom „Lesepsijski migranti u ihtiofauni Jadranskog i Sredozemnog mora“

2007-2012 Međusveučilišni poslijediplomski studij „Primijenjene znanosti o moru“ - Sveučilište u Splitu, Sveučilišni studijski centar za studije mora; Sveučilište u Dubrovniku, Odjel za akvakulturu; Institut za oceanografiju i ribarstvo – Zvanje doktor znanosti iz znanstvenog područja prirodnih znanosti, polje interdisciplinarne prirodne znanosti, grana znanost o moru. Naslov disertacije „Ribarstveno-biološke i ekološke osobine batoglavca, *Pagellus acarne* (Risso, 1827) u istočnom dijelu Jadrana“.

Radno iskustvo

2007 – 2013 – znanstveni asistent u Laboratoriju za ihtiologiju i priobalni ribolov, Institut za oceanografiju i ribarstvo, Split, Hrvatska

2013 – 2015 – viši znanstveni asistent u Laboratoriju za ihtiologiju i priobalni ribolov, Institut za oceanografiju i ribarstvo, Split, Hrvatska

2015 – 2020 – znanstveni suradnik u Laboratoriju za ihtiologiju i priobalni ribolov, Institut za oceanografiju i ribarstvo, Split, Hrvatska

2020 – danas – viši znanstveni suradnik u Laboratoriju za ihtiologiju i priobalni ribolov, Institut za oceanografiju i ribarstvo, Split, Hrvatska

Područje znanstvenog interesa:

Biologija i ekologija priobalnih vrsta riba i drugih organizama, strane i invazivne vrste riba, rijetke vrste riba, lokalno ekološko znanje, utjecaj klimatskih promjena na ihtiозajednice, malo obalno ribarstvo, rekreativno ribarstvo.

Kursevi:

- Rujan 2019 – završen kurs "Multivariate Analysis in Ecology (& Other Sciences), using PRIMER v7", Trst, Italija
- Ožujak 2017 – sudjelovanje na radionici "ESENIAS TOOLS" kao dio projekta ESENIAS: A regional network on invasive alien species.
- Travanj 2016 – sudjelovanje na kursu "Training course on the use of the LEK methodology to collect information on alien species (Albania and Montenegro)" - FAO AdriaMed.
- Rujan 2014 - završen kurs "Ecosystem Approach to Fisheries and Aquaculture", FAO, Rim, Italija.

Sudjelovanje na projektima:

- Assessment of the impact of climate change on biodiversity - Fish stock monitoring as part of the MPA-ADAPT project, Interreg, Brijuni National Park, associate (2018, 2020).
- AdriSmartFish - Valorisation of Small-scale ARTisanal FISHery of the Adriatic coasts in a context of sustainability. Interreg project, associate (2019-).
- ARIEL - Promoting small scale fisheries and aquaculture in the Adriatic-Ionian macro region, Interreg ADRION, associate (2017-).
- Local ecological knowledge and fisheries research in Croatia: changes in fishing and biological diversity of the sea (LEK-FishRes-CRO), HRZZ Research projects (IP-2016-06-5251), associate (2017-2021).
- Coastal habitats: patterns and processes of demographic variability of marine fish along the eastern Adriatic coast (NurseFish), HRZZ Research Projects (IP-2016-06-9884), associate (2017-2021).
- Bilateral project: Croatia – Montenegro, Biodiversity and Structure of eastern Adriatic coastal fish and other marine organisms' communities: case studies of Croatia and Montenegro, associate (2015-2016).
- Derelict Fishing Gear Management System in the Adriatic Region (DeFishGear), IPA Adriatic CBC Programme, associate (2013 – 2016).
- Ballast water Management for Adriatic Sea Protection (BALMAS), IPA Adriatic CBC Programme, associate (2013 – 2016).
- National Fisheries Data Collection Program ("DCF - Data Collection Framework"), MP and EU, associate (2012-present).
- EcoSea project - IPA Adriatic CBC Programme, associate (2012 – 2016).

Monitoring and follow-up system for the purpose of continuous assessment of the state of the Adriatic Sea according to the program of monitoring the state of the Adriatic Sea - Phase II, Institute of Oceanography and Fisheries Split, associate (2012 - 2014).

PriMo - Coastal fisheries monitoring. Ministry of Agriculture of Croatia, associate (2008-2012).

Management and biodiversity of living resources in the Croatian coast, basic project of the Ministry of Education and Culture (001-0013077-0844), associate (2007 – 2013).

JADRAN - Systematic research of the Adriatic Sea as the basis of sustainable development of the Republic of Croatia (topics: "Spawning and growth areas of economically important fish species and other marine organisms" and "Management of biological resources and protection of biological diversity: Coastal settlements"), associate (2007-2010).

JADMON - Reference Center for the Sea (2018 – 2024) - Implementation of a monitoring and observation system for the constant assessment of the state of the Adriatic Sea, data collection and management (PR-1).

Znanstvena produktivnost:

Cijela lista znanstvenih publikacija je dostupna na:
<https://www.bib.irb.hr/pregled/profil/18246>

Google scholar:

Citatati	1361
h-index	21
i10-index	48

Ostala znanja i vještine:

Strani jezici: Engleski – aktivno u govoru i pismu; Njemački – pasivno u govoru i pismu

Kompjuterske vještine: MS Office paket (Word, Excel, PowerPoint); statistički paketi (Statistica, Primer-E, osnovno R znanje); korištenje različitih programa za obradu slike, videa i zvuka.

Ronilačke kompetencije – ronilac sa jednom zvijezdom CMAS *

Vozačka dozvola B kategorija



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datum: 20.07.21

545/21
23.07.21

Na osnovu člana 51, 52 i 53 Zakona o naučnoistraživačkoj djelatnosti ("Službeni list Crne Gore", br. 080/10 40/11 i 057/14) i člana 32 stav 1 tačka 9 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore, na sjednici održanoj 20.07.2021.godine, donio je

ODLUKU O IZBORU U ZVANJE

Dr **ZDRAVKO IKICA** bira se u naučno zvanje viši naučni saradnik Univerziteta Crne Gore za **oblast Morsko ribarstvo** u Institutu za biologiju mora Univerziteta Crne Gore, na period od pet godina.

SENAT UNIVERZITETA CRNE GORE
PREDSJEDNIK


Prof. dr Vladimir Božović, vršilac funkcije rektora

Evropski Curriculum Vitae

Lični podaci

Ime / Prezime

Zdravko Ikica

E-mail

zdikica@ucg.ac.me

Datum rođenja

14. juli, 1978.



Radno iskustvo

Od-do

Decembar, 2008. do danas

Zanimanje

Viši naučni saradnik (jul, 2021 – danas)

Naučni saradnik (jul, 2016 – jul, 2021), saradnik u istraživanju (decembar, 2008 – jul, 2016.)

Opis aktivnosti

Naučna podrška održavanju postavki riba i drugih morskih organizama u "Akvarijumu Boka", koordinacija i nadzor odžavanju tehničkog dijela postavki, nabavka novih primjeraka, naučno-istraživački rad na terenu i u laboratoriju na istraživanju dinamike populacija, reproduktivne i ribarstvene biologije i procjena biomase demerzalnih vrsta riba i drugih morskih organizama u južnom Jadranu

Naziv i adresa poslodavca

Institut za biologiju mora, Univerzitet Crne Gore, I bokeljske brigade 68, 85330 Kotor, Crna Gora (www.ucg.ac.me/ibm)

Vrsta institucije

Naučno-istraživački institut u sastavu Univerziteta Crne Gore (morsko ribarstvo, marikultura, biologija, hemija i biohemija mora)

Obrazovanje

Godina

2013.

Zvanje

Doktor prirodnih nauka, polje interdisciplinarnih prirodnih nauka, grana nauka o moru »Dinamika populacije muzgavaca (*Eledone cirrhosa* (Lamarck, 1798) i *Eledone moschata* (Lamarck, 1798)) na području južnog Jadrana«

Tema doktorske disertacije

Stečene vještine

Terensko i laboratorijsko istraživanje dinamike populacija, reproduktivne i ribarstvene biologije i procjena biomase morskih organizama (s fokusom na glavonošce)

Naziv i vrsta obrazovne ustanove

Sveučilište u Splitu, Sveučilišni centar za studije mora; Sveučilište u Dubrovniku; Institut za oceanografiju i ribarstvo, Split

Nivo obrazovanja prema međunarodnoj klasifikaciji

ISCED 8, EQF 8

Godina

2011.

Zvanje

Inženjer pomorskog prometa – smjer nautika (ing.)

Tema diplomskog rada

»Neki patogeni na dagnji (*Mytilus galloprovincialis* Lamarck, 1819) opasni za zdravlje čovjeka«

Stečene vještine

Upravljanje, vođenje i održavanje brodskih i navigacionih sistema, kompetencije za čino-ve i ovlasti u trgovačkoj mornarici

Naziv i vrsta obrazovne ustanove

Pomorski fakultet, Sveučilište u Splitu

Nivo obrazovanja prema međunarodnoj klasifikaciji

ISCED 6, EQF 6

Godina

2008.

Zvanje

Diplomirani inženjer morskog ribarstva (dipl. ing.) (alt. magistar inženjer morskog ribarstva (mag. ing. agr.))

Tema diplomskog rada	»Marikultura temeljena na ribolovu: <i>Thunnus thynnus</i> L., 1758.; <i>Epinephelus</i> spp., <i>Anguilla anguilla</i> L., 1758. i <i>Octopus vulgaris</i> Cuvier, 1797., s osvrtom na mogućnosti primjene u Republici Hrvatskoj«
Stečene vještine	Morsko ribarstvo, biologija morskih organizama, akvakultura, ribolovni alati, ribarski brodovi i ribarske luke
Naziv i vrsta obrazovne ustanove	Sveučilišni centar za studije mora, Sveučilište u Splitu
Nivo obrazovanja prema međunarodnoj klasifikaciji	ISCED 7, EQF 7

Ostale vještine

- | | |
|-----------------|---|
| Računarstvo | <ul style="list-style-type: none"> • poznavanje programa MS Office programskog paketa (Word, Excel, PowerPoint) • poznavanje ribarstvenog softvera (ViT for Windows, FISAT II, LFDA 5 i ATrIS) • umjereno poznavanje \LaTeX-a • osnovno poznavanje statističkog okruženja R • osnovno poznavanje programa Adobe Acrobat, Lightroom i Photoshop |
| Vozačke dozvole | <ul style="list-style-type: none"> • vozačka dozvola »B« kategorije • vođač brodica, »B« kategorija |

Languages

Maternji jezik
Samovrednovanje
Evropski nivo^[1]

Hrvatski

Razumevanje		Govor		Pisanje
Slušno razumevanje	Čitanje	Govorno sporazumevanje	Samoizražavanje	
C2 Osposobljeni korisnik	C2 Osposobljeni korisnik	C1 Osposobljeni korisnik	C1 Osposobljeni korisnik	C2 Osposobljeni korisnik
B1 Samostalni korisnik	B1 Samostalni korisnik	A2 Osnovni korisnik	A2 Osnovni korisnik	B1 Samostalni korisnik

Engleski

Italijanski

Projekti

...	MEĐUNARODNI I BILATERALNI PROJEKTI
2022	Promoting Small Scale Fisheries and Aquaculture transnational Networking in Adriatic-Ionian Macroregion PLUS (ARIEL PLUS) (Interreg ADRION) – rukovodilac za UCG
2020–2023	Development of regional joint master program in Maritime environmental protection and Management (MEP&M) (Erasmus+) – saradnik
2020–2022	Explore Cross-border Aquatic Biodiversity (EXChAngE) (Interreg IPA CBC Hrvatska – Bosna i Hercegovina – Crna Gora) – saradnik
2019–2022	Blue Growth Community – Capitalization & Communication project for Blue Economy Innovation in the Mediterranean (BlueGrowth2) (Interreg Mediterranean) – saradnik
2019–2021	Management of non-native aquatic species in Western Balkans (Albania, Bosnia and Herzegovina and Montenegro) (RISKMAN) (Erasmus+) – saradnik
2018–2020	Participatory model for the sustainable management of marine and coastal resources and for cross border habitats, biodiversity and ecosystem services safeguard (BLUE LAND) (Interreg IPA CBC Italija – Crna Gora – Albanija) – saradnik
2018–2019	Water landscapes sustainability through reuse of marine litter (WELCOME) (Interreg IPA CBC Italija – Crna Gora – Albanija) – saradnik
2018–2020	Promoting Small Scale Fisheries and Aquaculture transnational Networking in Adriatic-Ionian Macroregion (ARIEL) (Interreg ADRION) – rukovodilac za UCG
2017–2019	Horizontal Communication & Capitalization project for Innovation in Blue Growth at Mediterranean level (InnoBlueGrowth) (Interreg Mediterranean) – saradnik
2017–2018	Fish, crustaceans and bivalves – bioindicators of the environment condition on the Montenegrin coast (Crna Gora, Srbija) – saradnik

2016	ADRIATIC+ — Sharing marine and coastal cross management experiences in the Adriatic basin) – researcher
2015–2016	Bioraznovrsnost i struktura priobalnih zajednica riba i drugih morskih životinja na istočnoj strani Jadrana: usporedba između hrvatskog i crnogorskog priobalja (BIOS) (Crna Gora, Hrvatska) – rukovodilac projekta
2016	ADRIATIC+ — Sharing marine and coastal cross management experiences in the Adriatic basin) – saradnik
2015–2016	Razvoj novog metodološkog pristupa u istraživanju regrutacije riba i rakova u Kotorskom zalivu (Crna Gora, Italija) – saradnik
2015–2016	Biološko i ekotoksikološko istraživanje obalnog područja Crne Gore i Hrvatske (BIOECO-CROMON) (Crna Gora, Hrvatska) – saradnik
2015–2016	Centar izvrsnosti u bioinformatici (BIO-ICT), Univerzitet Crne Gore, Fakultet elektrotehnike i računarstva – saradnik (marikultura)
2015–2016	FA COST Action FA1301—A network for improvement of cephalopod welfare and husbandry in research, aquaculture and fisheries («Ceph/nAction» – član upravnog odbora (management committee)
2014–2017	Derelict Fishing Gear Management System in the Adriatic Region (DeFishGear) (IPA Adriatic CBC) – saradnik
2013–2015	Network for the conservation of cetaceans and sea turtles in the Adriatic (NETCET) (IPA Adriatic CBC) – saradnik
2013–2014)	Poređenje stanja resursa malog obalnog ribolova na istočnoj obali Jadrana (COSSFAS) (Crna Gora, Hrvatska) – saradnik
2011–2012	Analiza stanja demerzalnih resursa istočne obale Jadrana i preporuke za održivo korišćenje i zaštitu (ADRIJA) (Crna Gora, Hrvatska) – saradnik
2010–2012	Sustainable management of marine fishery (IPARD) – saradnik
2013–2015	MAREA, Specific Project No. 10—SEDAF – saradnik
2010–	MEDITS (Mediterranean International Trawl Survey) – saradnik
2009–	FAO AdriaMed Project (Scientific Cooperation to Support Responsible Fisheries in the Adriatic sea) – saradnik
...	NACIONALNI PROJEKTI
2012–2015	Monitoring malog obalnog ribolova i sastava riblje mladi na Crnogorskom primorju u cilju očuvanja i održivog upravljanja resursima morskog ribarstva (MORM-MONT) (Ministarstvo nauke) – saradnik
2008–2011	Biološki resursi, jestivi i nejestivi, u kočarskom ribolovu na Crnogorskom primorju (Ministarstvo prosvjete i nauke) – saradnik, doktorant

Kursevi

2–6 October 2017	Beginners course on »Integrated Assessment Using Stock Synthesis«, General Fisheries Commission for the Mediterranean (GFCM), Rim, Italija
26–30. januara, 2015.	Seminar/Workshop on the Use of Light-Traps for Capturing Post-Larvae, Institut for coastal marine environment (IAMC), National Research Council (CNR), Capo Granitola, Campobello di Mazara, Italija
26–30. januara, 2015.	»Intensive Data Analysis Course: Introduction to the >R< system, FAO MEdSudMed, Rim, Italija
4–9. novembra, 2013.	»JRC-GFCM-AdriaMed-MedSudMed-EastMed-CopeMed—Joint training course on Improving the Analysis of Fisheries Data: an Introduction to R and the Fisheries Library based on R (FLR)«, Rim, Italija
12–16. decembra, 2011.	»Introduction to fish stock assessment models«, FAO MedSudMed projekat, Sliema, Malta
11–15. aprila, 2011.	»Train the trainers«, ACCOBAMS i Institut Plavi svijet, Kotor, Crna Gora
22–26. novembra, 2010.	»AdriaMed training course on Virtual Population Analysis (VPA) methods in Fish Stock Assessment«, FAO AdriaMed projekat, Rim, Italija

... ODRŽANI KURSEVI

18–22. aprila, 2016. »Osnove primjene statističkog okruženja R«. Institut za oceanografiju i ribarstvo, Split, Hrvatska.

Ostalo

- 2022– Član uređivačkog odbora naučnog časopisa s međunarodnom recenzijom »STUDIA MARINA«
- 2020– Marine Strategy Framework Directive (MSFD) – Junior Non-Key Expert – Marine Biology Expert (Sisari i gmizavci)
- 2022 Član Organizacionog odbora International Conference: Adriatic Biodiversity Protection – AdriBioPro2022 ([link](#)).
- 2018 Član Organizacionog odbora International Conference: Adriatic Biodiversity Protection – AdriBioPro2019 ([link](#)).
- 2018 Recenzent za *Journal of Oceanology and Limnology*, međunarodni recenzirani naučni časopis citiran u SCI-Expanded (*Web of Science*) bazi podataka (<https://link.springer.com/journal/343>).
- 2018 Mentor gostujućem studentu sa Univerziteta Michigan, Koledž nauke, književnosti i umjetnosti, Ann Arbor, USA (1. maj – 1. juni, 2018)
- 2017– Godišnji program prikupljanja podataka u ribarstvu Crne Gore (DCF/DCRF) (Ministarstvo poljoprivrede, šumarstva i vodoprivrede) – saradnik
- 2017 Mentor gostujućoj studentici sa Instituta za hemiju i biologiju morske životne sredine Univerziteta Carl von Ossietzky iz Oldenburga, Njemačka (1. maj – 31. jul, 2017)
- 2017 Mentor dvama gostujućim studentima sa Gembloux Agro-BioTech, Univerzitet u Liègeu, Belgija (3. juli – 27. august, 2017))
- 2017 FAO AdriaMed kontakt-osoba za mali obalni i sportsko-rekreativni ribolov na moru
- 2015 Recenzent za naučni časopis *Acta Adriatica*, citiran na SCI-Expanded (*Web of Science*) listi (jadran.izor.hr/acta)
- 2015–2016 Počasna titula »Internship Mentor« na Univerzitetu u Liègeu, Belgija
- 2013–2022 Tehnički urednik naučnog časopisa s međunarodnom recenzijom »STUDIA MARINA«, (www.ibmk.org/casopis-studia-marina)
- 2013–2020 Član radne grupe FAO AdriaMed projekta za mali obalni ribolov u Jadranu
- 2013– Član radne grupe za Poglavlje XIII (ribarstvo) u pregovorima za pristupanje Crne Gore Evropskoj uniji
- 2012– Član radne grupe za izmjene i dopune Zakona o morskom ribarstvu i marikulturi, izmjene i dopune postojećih pravilnika i pripremu novih pravilnika
- 2011– Član radne grupe FAO-ve Generalne komisije za ribarstvo na Mediteranu (GFCM) za procjenu stanja stokova demerzalnih vrsta
- 2011–2020 Član radne grup FAO AdriaMed projekta za zajedničku procjenu stanja demerzalnih resursa u geografskoj podregiji (GSA) 18 (južni Jadran) (Albanija, Crna Gora, Italija)

Bibliografija

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 - Ikica, Z., Marković, O., Pešić, A., Đorđević, N. and Tomanić, J. 2021. *Distribution of Certain Commercially Important Species in Small-Scale Fisheries Along the Montenegrin Coast*. In: A. Joksimović, M. Đurović, I.S. Zonn, A.G. Kostianoy and A.V. Semenov (eds.), *The Montenegrin Adriatic Coast: Marine BiologyHdb Env Chem* (2021) 109:273–300. https://doi.org/10.1007/698_2020_722

- Ikica, Z., Isajlović, I., Pešić, A., Četković, I. and Vrgoč, N. 2021. "HVAR" Expedition (1948–1949) in South-Eastern Adriatic (Croatia, Montenegro, Albania). In: A. Joksimović, M. Đurović, I.S. Zonn, A.G. Kostianoy and A.V. Semenov (eds.), *The Montenegrin Adriatic Coast: Marine Biology* Hdb Env Chem (2021) 109:301–328. https://doi.org/10.1007/698_2020_721
- Marković, O., Pešić, A., Petović, S., Ikica, Z., and Đurović, M. 2021. *Occurrence and Distribution of Crustacean Decapoda Species in Montenegrin Territorial Waters with Special Attention to the Most Significant Species*. In: A. Joksimović, M. Đurović, I.S. Zonn, A.G. Kostianoy and A.V. Semenov (eds.), *The Montenegrin Adriatic Coast: Marine Biology* Hdb Env Chem (2021) 109:361–384. https://doi.org/10.1007/698_2020_753
- Gvozdrenović, S., Đurović, M., Ikica, Z., and Mandić, M. 2021. *Sea Turtles in Montenegrin Adriatic Coastal Waters*. In: A. Joksimović, M. Đurović, I.S. Zonn, A.G. Kostianoy and A.V. Semenov (eds.), *The Montenegrin Adriatic Coast: Marine Biology* Hdb Env Chem (2021) 109:471–496. https://doi.org/10.1007/698_2020_752
- Miočić-Stošić, J., Holcer, D., Đurović, M., Pleslić, G., Ikica, Z., and Vuković, V. 2021. *Photo-Identification of Common Bottlenose Dolphins (Tursiops truncatus) in Montenegrin Waters*. In: A. Joksimović, M. Đurović, I.S. Zonn, A.G. Kostianoy and A.V. Semenov (eds.), *The Montenegrin Adriatic Coast: Marine Biology* Hdb Env Chem (2021) 109:515–532. https://doi.org/10.1007/698_2020_686
- Pešić, A., Ikica, Z., Đurović, M., Tomanić, J., and Ralević, S. 2021. *Rare and Endangered Fish Species in the Adriatic Sea*. In: A. Joksimović, M. Đurović, I.S. Zonn, A.G. Kostianoy and A.V. Semenov (eds.), *The Montenegrin Adriatic Coast: Marine Biology* Hdb Env Chem (2021) 109:573–602. https://doi.org/10.1007/698_2020_723
- Đurović, M., Joksimović, A., Laušević, R., Ikica, Z., and Pestorić, B. 2021. *Organization of the Center for Adriatic Biodiversity Conservation: "Aquarium Boka" in Institute of Marine Biology, Kotor, Montenegro*. In: A. Joksimović, M. Đurović, I.S. Zonn, A.G. Kostianoy and A.V. Semenov (eds.), *The Montenegrin Adriatic Coast: Marine Biology* Hdb Env Chem (2021) 109:603–612. https://doi.org/10.1007/698_2020_709
- Ikica, Z., Đurović, M., Joksimović, A., Mandić, 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.
- Đurović, M., Holcer, D., Joksimović, A., Mandić, M., Fortuna, C., Ikica, Z., Vuković, V. 2016. *Cetaceans in the Boka Kotorska bay*. In: A. Joksimović et al. (eds.): *The Boka Kotorska Bay Environment*. Springer International Publishing: 411–438 pp. ISBN (eBook) 978–3–319–51614–1, (Hardcover) 978–3–319–51613–4.
- Mandić, M., Ikica, Z. & Gvozdrenović, S. 2016. *Mariculture in the Boka Kotorska Bay: Tradition, Current State and Perspective*. In: A. Joksimović et al. (eds.): *The Boka Kotorska Bay Environment*. Springer International Publishing: 395–410 pp. ISBN (eBook) 978–3–319–51614–1, (Hardcover) 978–3–319–51613–4.
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- 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.
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