

PERSONAL INFORMATION

Rajko Martinović



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Sex M | Date of birth 18/07/1983 | Nationality Montenegrin

WORK EXPERIENCE

10/03/2021 - present Scientific Associate
01/09/2015 - 10/03/2021 Research Associate

Organization University of Montenegro, Institute of Marine Biology, Laboratory for Marine Chemistry and Oceanography, Kotor, Montenegro

Research area and main activities Ecophysiology and genotoxicology of marine organisms

01/06/2013 - 01/09/2015 Volunteer

Organization University of Montenegro, Institute of Marine Biology, Kotor, Montenegro

01/04 - 01/07/2015 Biology and ecology teacher

Organization Primary School „Drago Milović“, Tivat, Montenegro

01/06/2012 - 01/06/2013 Intern

Organization University of Montenegro, Institute of Marine Biology, Kotor, Montenegro

EDUCATION AND TRAINING

2018 PhD in biological sciences

Institution Faculty of Biology, University of Belgrade, Serbia; Study program biology, module Neurosciences, submodule Neurophysiology and biophysics

2012 Graduate Biologist

Institution Faculty of Biology, University of Belgrade, Serbia

PERSONAL SKILLS

Mother tongue(s) Montenegrin

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1
German	A1	A1	A1	A1

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

Driving licence Category B

ADDITIONAL INFORMATION

Courses

APT safety group: OPITO Course - BOSIET - Basic Offshore Safety Induction & Emergency Training (5700) – 16-18. December 2019, Pavia, Italy

IAEA (International Atomic Energy Agency): "MED POL Training course on the analysis of organ chlorine pesticides and polychlorinated biphenyls in environmental samples" 24 October – 4 November 2016, Environmental laboratories, Monaco

7th EFIS-EJI (European Federation of Immunological Societies – European journal of Immunology): "South Eastern European Immunology School" 16-19 October 2015, Bečići, Montenegro

DAAD (German Academic Exchange Service) Academic Meeting: practical course of neuroscience: "The other perspective - from soft skills and statistics to ethical issues", 6-7 December 2014, University of Belgrade, Faculty of Biology, Belgrade, Serbia

DAAD (German Academic Exchange Service) Academic Meeting: Practical course of Neurobiology: *In Vivo* and *In Vitro* Physiology of Neurons. Faculty of Biosciences, Pharmacy and Physiology, 8-29. November 2013. Leipzig, Germany

DAAD (German Academic Exchange Service) Academic Meeting: Master and PhD Neuroscience Programs: Summer School on Techniques in Cellular Neuroscience, 21-24 June 2013 Petnica Science Center, Serbia

Study visits

University of Belgrade, Institute for Multidisciplinary Research, 17.11. – 17.12. 2014, Belgrade, Serbia

Medical University of Innsbruck, Department of the Anatomy, Histology and Embryology, 31.10. – 14.11. 2015 and 11.11.– 18.11. 2016, Innsbruck, Austria

Universidad Católica de Valencia (UCV), Institute IMEDMAR, 01-04. 02. 2016 and 25.10. – 02.11. 2017, Calpe (Alicante), Spain

Technische Universität Bergakademie Freiberg, Institute of Electronic and Sensor Materials, 09-15. 10. 2018, Freiberg, Germany

Projects

2023 - 2024	Bilateral Project Montenegro – Slovenia - Evaluation of the toxicity of oil dispersants and determination of microplastics content in marine organisms of the northern and southern part of the Adriatic. Ministry of Science and technological development, Montenegro (project manager)
2021 - 2023	Bilateral Project Montenegro – Slovenia - Seasonal dynamics of bioaccumulation and bioavailability of pollutants in mussels <i>Mytilus galloprovincialis</i> from the eastern coast of the Adriatic Sea. Ministry of Science, Montenegro
2019 - 2021	Screening of cHEMical indicators and molecuLar biomarkers of marine musseLs and fish with application in MEDicine and pharmacology - ShellMED. Scientific research project, Ministry of Science, Montenegro
2019 - 2020	Bilateral Project Montenegro - Serbia - Detection of stressors in marine ecosystem based on genotoxicological and physiological markers in Mediterranean Mussel (<i>Mytilus galloprovincialis</i>). Ministry of Science, Montenegro
2019 - 2020	Bilateral Project Montenegro - Serbia - Isolation and therapeutical potential of avarol on the models of neurodegeneration. Ministry of Science, Montenegro
2018 - 2019	International atomic Energy Agency – IAEA - Enhancing Coastal Management in the Adriatic and the Black Sea by Using Nuclear Analytical Techniques. "IAEA Technical application programme, program of regional cooperation, cycle 2018-19"
2018 - 2019	Promoting Small Scale Fisheries and Aquaculture transnational Networking in Adriatic - Ionian Macroregion (ARIEL) (Interreg ADRION).
2017 - 2019	EMODNET Chemistry 3 - European Marine Observation and Data Network-Chemistry. Launched by the Directorate-General for Maritime Affairs and Fisheries (DG MARE), (2017-2019).
2017 - 2018	Montenegrin Marine Biodiscovery Research – EMBRacE, Call for support of the participation

in Horizon 2020 and COST. Ministry of Science, Montenegro (project manager)

- 2017 - 2018 Montenegrin Marine Biotechnology laboratory – MEMBER, Call for support of the participation in Horizon 2020 and COST, Ministry of Science, Montenegro (project manager)
- 2016 - 2020 SEADATACLOUD - Further developing the pan-European infrastructure for marine and ocean data. ProgramH2020 (2016-2020). <http://www.seadatanet.org/aboutus/seaDataCloud>. <https://www.seadatanet.org/Aboutus/SeaDataCloud>.
- 2016 - 2019 The study, protection and possible breeding of pen shell (*Pinna nobilis*) in the Boka Kotorska Bay. Scientific research project. Prince Albert II of Monaco Foundation
- 2015 - 2017 Bilateral project Montenegro - Austria - Testing the effect of different neuroactive substances on the cardiac activity of the Mediterranean mussel (*Mytilus galloprovincialis* L.) - Ministry of Science, Montenegro
- 2013 - 2014 DAAD (German Academic Exchange Service) Akademischer Neuaufbau Sudosteuropa "Academic Synapsing in the Balkans"
- 2012 - 2014 Transnational ENhancement of ECOPORT8 network (TEN ECOPORT) - IPA SEE Programme Project
- 2012 - 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)
- 2012 - 2015 Complex research of the ecosystem of the coastal sea of Montenegro (KOTOR). Scientific research project, Ministry of Science, Montenegro

Conference papers

1. **Martinović, R.**, Joksimović, D., Perošević-Bajčeta, A., Čabarkapa, I., Ehrlich, H. (2023). Conchix (shell organic matrix) – an innovative medium for the assessment of trace metals in marine environment. Book Of Abstracts: International Conference On Radiation Applications (RAP 2023), Hellenic Centre for Marine Research (HCMR), May 29-June 2, Anavyssos, Attica, Greece; p. 73. ISBN: 978-86-81652-05-3
2. Joksimović, D., Perošević-Bajčeta, A., **Martinović, R.**, Bošković, N., Joksimović, A. (2023). Contamination and risk assessment of heavy metals in surface sediments of the Montenegrin coast. Book of Abstracts: 13th International SedNet Conference, 6-8 September 2023, Lisbon, Portugal.
3. Joksimović, D., Perošević-Bajčeta, A., **Martinović, R.**, Živković, V., Šuković, D. (2023). Assessment of trace metals contamination of port sediments on the Montenegrin Coast. Book Of Abstracts: International Conference On Radiation Applications (RAP 2023), Hellenic Centre for Marine Research (HCMR), May 29-June 2, Anavyssos, Attica, Greece; p. 72. ISBN: 978-86-81652-05-3
4. Vuković-Gačić, B., Kračun-Kolarević, M., Marić, J. J., Djordjević, J., Gačić, Z., **Martinović, R.**, Joksimović, D., Kolarević, S. (2023). Assessment of sea pollution in the Boka Kotorska Bay, Montenegro with relocated gilthead sea bream (*Sparus aurata*) as an indicator of genotoxicity (2023). Abstract book: 51st European Environmental Mutagenesis and Genomics Society (EEMGS) & 27th Spanish Environmental Mutagenesis and Genomics Society (SEMA) meeting. May 15th-18th, Málaga (Spain). *Spanish Journal of Environmental Mutagenesis and Genomics*, 27(1), 102-102.
5. **Martinović R.**, Kolarević S., Kračun-Kolarević M., Đorđević J., Jovanović Marić J., Gačić Z., Vuković-Gačić B., Perošević Bajčeta A., Joksimović D. (2022) Transplant caging of seabream (*Sparus aurata*) as a monitoring tool for marine pollution assessment in the Montenegrin Adriatic coast. In: Tutman P, Dulčić J, Bojanić Varezić D, Dragčević B, editors. Book of Abstracts: 2nd Southeast European Ichthyological Conference (SEEIC); 2022 Oct 12-15; Brač Island, Croatia. Split: Institute of Oceanography and Fisheries; p. 33. ISBN: 978-953-7914-10-3
6. Kolarević S., Kračun-Kolarević M., Jovanović Marić J., Đorđević J., Vuković-Gačić B., Gačić Z., Joksimović D., **Martinović R.**, Bajt O., Ramšak A. (2022) Trojan horse effect within the exposure of Mediterranean mussel (*Mytilus galloprovincialis*) to polystyrene microplastics with adsorbed fluoranthene. International Conference Adriatic Biodiversity Protection - AdriBioPro2022, 13-17 June, Kotor, Montenegro.

Book of Abstracts, pp 106

7. **Martinović, R.**, Joksimović, D., Perošević, A., Kolarević, S., Kračun Kolarević, M., Đorđević, J., Jovanović, J., Gačić, Z., Vuković Gačić, B. (2020) Genotoxicity indicators of transplanted mussels *Mytilus galloprovincialis* reveal early signs of marine pollution in the Boka Kotorska Bay, Montenegro. 20th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, MESAEP, On line conference, October 26-27. Book of Abstracts, pp 219, ISBN 9781005202804
8. **Martinović, R.**, Joksimović, D., Perošević, A., Castelli, A., Mitrić, M. (2020) Monitoring of the state of Montenegrin coastal sea ecosystem by molecular and physiological parameters of mussels and fish. The 49th Annual Conference of the Serbian Water Pollution Control Society, WATER 2020, Trebinje, Bosnia and Herzegovina 19. – 20. November, Conference Proceedings, pp 389. ISBN 978-86-916753-7-0
9. Joksimović, D., Perošević-Bajčeta, A., **Martinović, R.**, Bošković, N., Peković, M. (2020) Risk assessment and accumulation of metals in sediment in the Boka Kotorska Bay. The 49th Annual Conference of the Serbian Water Pollution Control Society, WATER 2020, Trebinje, Bosnia and Herzegovina 19. – 20. November, Conference Proceedings, pp 311. ISBN 978-86-916753-7-0
10. **Martinović, R.**, Petović, S., Castelli, A., Mitrić, M., Đorđević, N., Mandić, M., Danijela Joksimović, D. (2019). Experimental breeding of the fan mussel *Pinna nobilis* in the Boka Kotorska Bay. 48th Annual conference of the Serbian Water Pollution Control Society "WATER 2019", 4-6. June, Zlatibor, Serbia, pp. 295-300
11. Joksimović, D., Drakulović, D., **Martinović, R.**, Castelli, A., Mitrić, M., Perošević, A., Peković, M. (2019). Određivanje stepena trofičnosti na staništima *Pinna nobilis*. 48th Annual conference of the Serbian Water Pollution Control Society "WATER 2019", 4-6. June, Zlatibor, Serbia, pp. 287-294
12. Castelli, A., Joksimović, D., Jovičić, A., Mitrić, M., **Martinović, R.**, Perošević, A., Vuković, V. (2019). Measuring and monitoring of the thermohaline properties of sea water in the coastal area of Montenegro. 48th Annual conference of the Serbian Water Pollution Control Society "WATER 2019", 4-6. June, Zlatibor, Serbia, pp. 275-280
13. **Martinović, R.**, Kolarević, S., Raković, M., Četković, I., Pešić, A., Joksimović, D., Vuković-Gačić, B., Paunović, M., Joksimović, A. (2019). DNA damage in blood cells of six marine fish species as biomarker of pollution in the Boka Kotorska Bay. BioEco2019 - International Biodiversity & Ecology Sciences Symposium, September 26-28, Istanbul, Turkey Symposium Proceedings, pp. 315
14. Castelli, A., Joksimovic, D., Jovicic, A., Mitric, M., Vukovic, V., **Martinovic, R.** (2019). Support to the development of physical oceanography and marine database for the coastal area of Montenegro. In *Geophysical Research Abstracts* (Vol. 21), EGU General Assembly, p1-1. 1p
15. Klinger C., Zoltowska-Aksamitowska S., **Martinović R.**, Ehrlich A., Ehrlich H. (2019). New approach for express isolation of chitin from demosponges of the order Verongiida. International Conference: Adriatic Biodiversity Protection – AdriBioPro2019, April 7-11, Kotor, Montenegro. Book of Abstracts, pp. 100
16. Garcia-March J.R., Tena-Medialdea J., Hernandis G.S., Lopez Ferrando D., Tellez Martinez C., Vicente N., **Martinović R.**, Joksimović D. (2019). Two years after: spread of *Pinna nobilis* mass mortality and measures taken to counteract it. International Conference: Adriatic Biodiversity Protection – AdriBioPro2019, April 7-11, Kotor, Montenegro. Book of Abstracts, pp. 64
17. **Martinović R.**, Garcia-March J.R., Vicente N., Bunet R., Tena-Medialdea J., Hernandis G.S., Mačić V., Petović S., Castelli A., Mitrić M., Drakulović D., Gvozdenović S., Joksimović D. (2019). Pen shell (*Pinna nobilis*) parasite gets closer to Montenegrin coast – status quo and future perspectives. International Conference: Adriatic Biodiversity Protection – AdriBioPro2019, April 7-11, Kotor, Montenegro.

Book of Abstracts, pp. 62-63

18. Vicente N., **Martinović R.**, Garcia-March J.R., Joksimović D., Tena-Medialdea J., Bonnefont J.L. Hernandis G.S., Tellez Martinez C., Lopez Ferrando D., Couvray S., Kirchhofer D., Bunet R., Simide R., Petović S., Castelli A., Mitrić M., Mandić M. (2019). Larval harnessing and monitoring of the growth of *Pinna nobilis* recruits in Les Embiez Island (France), Calpe Bay (Spain) and in the Boka Kotorska Bay (Montenegro). International Conference: Adriatic Biodiversity Protection – AdriBioPro2019, April 7-11, Kotor, Montenegro. Book of Abstracts, pp. 60-61
19. Lopez Ferrando D., Castelli A., Hernandis G.S., **Martinović R.**, Mitrić M., Peković M., Tellez Martinez C., Garcia-March J.R., Drakulović D., Tena-Medialdea J., Vicente N., Joksimović D. (2019). Habitat characterization of the endangered fan mussel *Pinna nobilis* living in *Posidonia oceanica* and *Cymodocea nodosa*. International Conference: Adriatic Biodiversity Protection – AdriBioPro2019, April 7-11, Kotor, Montenegro. Book of Abstracts, pp. 58-59
20. Bunet R., Coupe S., Vicente N., Hernandis S., Garcia-March J.R., Petović S., **Martinović R.**, Tena-Medialdea J., Joksimović D., Bonnefont J.L. (2019). Draft genome and comparative genetics study of the endangered *Pinna nobilis* populations. International Conference: Adriatic Biodiversity Protection – AdriBioPro2019, April 7-11, Kotor, Montenegro. Book of Abstracts, pp. 57
21. Castelli A, **Martinović R.**, Mitrić M, Peković M, Perošević A, Joksimović D. (2018) Characterization of the sediment of the mussel *Pinna nobilis* habitate in the Boka Kotorska Bay. The 47th Annual conference of the Serbian Water Pollution Control Society "WATER 2018". 12-14.06.2018. Sokobanja, Serbia
22. Hernandis, S., Joksimović, D., Tena, J., Vicente, N., Mačić, V., García-March, J.R., Castelli, A., Torres, J., Mitrić, M. and **Martinović, R.** (2018) Comparison of habitat structure of 4 dense populations of the critically endangered fan mussel (*Pinna nobilis*). VI International Symposium on Marine Sciences, 20-22. 06. 2018, Vigo, Spain
23. **Martinović, R.**, Gačić, Z., Jokanović, S., Castelli, A., Mitrić, M., Mačić, V., Petović, S., Drakulović, D., Vicente, N., Garcia March, J.R, Tena Medialdea, J., Joksimović, D. (2017) The first heart rate records of pen shell *Pinna nobilis* and experience on transplantation in the Boka Kotorska Bay. 19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, October 4-6, 2017, Rome, Italy. Book of abstracts, pp 243
24. Joksimović D., Castelli A., Mitrić M., **Martinović R.** (2017) Strategies and plans for the study and protection of pen shell (*Pinna nobilis*) in the Boka Kotorska Bay. The 46th Annual conference "WATER 2017". 06-08. 06. 2017, Vršac, Srbija
25. Mačić V, Hernandis Caballero S, Vicente N., García March JR, Tena Medialdea J., **Martinović R.**, Joksimović D, Drakulović D, Petović S. (2017) Exceptionally high density of *Pinna nobilis* L.1758 in the Boka Kotorska Bay (Montenegro).13rd European Conference on Scientific Diving, 22-23. 03. 2017, Funchal, Madeira - Portugal
26. Castelli, A., .Mitrić,M., Jokanović, S., **Martinović, R.** and Joksimović, D. (2016) Assessment of the quality of surface sediment along the Montenegrin coast based on the content of heavy metals. Conference proceedings of the 45th annual conference of the Serbian Water Pollution Control Society "Water 2016", 15-17 June 2016, Zlatibor, Serbia, pp. 413-418. UDK: 551.463(497.16) 502.51(262.3):504.5:669.018.674
27. Mitric,M., Castelli, A., Markovic, S., **Martinovic, R.** and Joksimovic, D. (2016) Assessment of general condition of the specimens *Mytilus galloprovincialis* in Boka Kotorska Bay based on enzymatic activity of acetylcholinesterase, Conference proceedings of the 45th annual conference of the Serbian Water Pollution Control Society "Water 2016", pp. 439-444, UDK: 502.51:504.5(497.16)
28. **Martinović R.**, Kolarević S., Kračun Kolarević M., Kostić J., Jokanović S., Gačić Z., Joksimović 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
29. **Martinović R.**, Jokanović S., Mitrić M., Castelli A., Joksimović 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“. 15-17 June, Zlatibor, Serbia
 30. **Martinović R.**, Gačić Z., Marković S., Mitrić M., Castelli A., Kljajić Z. (2015) The Heart Rate Variability of the Mediterranean mussel (*Mytilus galloprovincialis* L.) as the Indicator of Seawater Pollution Caused by Diesel oil (2015). The 44th Annual Conference of the Serbian Water pollution Control Society „Water 2015“. 02-05 June, Kopaonik, Serbia
 31. Marković S., Mitrić M., **Martinović R.**, Castelli A., Kljajić Z. (2015) Monitoring morske vode u Bokotorskom zalivu. 44. konferencija o aktuelnim problemima korišćenja i zaštite voda „Voda 2015“ 2-5 jun, Kopaonik, Srbija
 32. **Martinović R.**, Gačić Z., Kljajić Z. (2014). The Cardiac System Reactions of the Mediterranean Mussel during the Exposure of Oil Slick Dispersant. The 43rd Annual Conference of the Serbian Water pollution Control Society „Water 2014“. 03-05 June, Tara, Serbia
 33. **Martinović R.** (2013): Primjena novog biomonitoring sistema u kontroli kvaliteta površinskih voda Crnogorskog primorja. Naučni skup po pozivu "Prirodni resursi Paštrovića u kontekstu crnogorskog primorja. Knjiga sažetaka, 12-13. Oktobar, "Crvena komuna", Petrovac, p34

Publications

1. **Martinović, R.**, Joksimović, D., Perošević-Bajčeta, A., Čabarkapa, I., Ehrlich, H. (2023). Shell Organic Matrix (*Conchix*) of the Mediterranean Mussel *Mytilus galloprovincialis* L. as the Medium for Assessment of Trace Metals in the Boka Kotorska Bay. *Applied Sciences*, 13(13), 7582. <https://doi.org/10.3390/app13137582> (IF: 2.7)
2. **Martinović, R.**, Joksimović, D., García-March, J.R., Vicente, N., Gačić, Z. (2022) Evaluation of Physiological State of Pen Shell Pinna nobilis (Linnaeus, 1758) by a Non-Invasive Heart Rate Recording under Short-Term Hyposalinity Test. *Micromachines* 2022, 13, 1549. <https://doi.org/10.3390/mi13091549> (IF: 3.523)
3. Kolarević, S., Kračun-Kolarević, M., Jovanović Marić, J., Djordjević, J., Vuković-Gačić, B., Joksimović, D., **Martinović, R.**, Bajt, O., Ramšak, A. (2022). Single and combined potential of polystyrene microparticles and fluoranthene in the induction of DNA damage in haemocytes of Mediterranean mussel (*Mytilus galloprovincialis*). *Mutagenesis*, geac017, <https://doi.org/10.1093/mutage/geac017> (IF: 2.954)
4. **Martinović, R.**, Petović, S., Joksimović, D., Bunet, R., Couvray, S., Kirchhofer, D., Simide, R., Garcia-March, J. R., Tena-Medialdea, J., Castelli, A., Gačić, Z., Bonnefont, J. L., Vicente, N. (2021) Recruitment and Growth of the Fan Mussel Pinna nobilis in the Montenegrin Adriatic Coast and Comparison with the Western Mediterranean. 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. Hardcover ISBN: 978-3-030-77512-4 Series ISSN: 1867-979X
5. Joksimović D., Perošević-Bajčeta A., Pestorić B., **Martinović R.**, Bošković N. (2021) Heavy Metals Toxicity in Sediment and the Marine Environment. In: Joksimović D., Đurović M., Zonn I.S., Kostianoy A.G., Semenov A.V. (eds) The Montenegrin Adriatic Coast. The Handbook of Environmental Chemistry, vol 110. Springer, Cham. Print ISBN: 978-3-030-77628-2
6. Bunet, R., Prévot, J. M., Vicente, N., García-March, J. R., **Martinović, R.**,

- Tena-Medialdea, J., Joksimović, D., Bonnefont, J. L., Coupé, S. (2021). First insight into the whole genome shotgun sequence of the endangered noble pen shell *Pinna nobilis*: a giant bivalve undergoing a mass mortality event. *Journal of Molluscan Studies*, 87(1), eyaa041. (IF: 1.461)
7. Talevski, T., Leshoska, A. T., Pejovski, E., Pejin, B., Machalowski, T., Wysokowski, M., Tsurkan, M. V., Petrova, O., Sivkov, V., **Martinovic, R.**, Pantovic, S., Khrunyk, Y., Trylis, V., Fursov, A., Djurovic, M., Jesionowski, T., Ehrlich, H. (2020). Identification and first insights into the structure of chitin from the endemic freshwater demosponge *Ochridaspongia rotunda* (Arndt, 1937). *International Journal of Biological Macromolecules*, 162, 1187-1194. (IF: 5.162)
 8. Ehrlich, H., **Martinović, R.**, Joksimović, D., Petrenko, I., Schiaparelli, S., Wysokowski, M., Tsurkan, D., Stelling, A., Springer, A., Gelinsky, M., Joksimović, A. (2020). Conchixes: organic scaffolds which resemble the size and shapes of mollusks shells, their isolation and potential multifunctional applications. *Applied Physics A*, 126(7), 1-13. (IF: 1.810)
 9. Binnewerg, B., Schubert, M., Voronkina, A., Muzychka, L., Wysokowski, M., Petrenko, I., Djurović M., Kovalchuk, V., Tsurkan, M., **Martinovic, R.**, Bechmann, N., Fursov, A., Ivanenko, V. N., Tabachnick, K. R., Smolii, O. B., Joseph, Y., Giovine, M., Bornstein, S. R., Stelling, A. L., Tunger, A., Schmitz, M., Taniya, O. S., Kovalev, I. S., Zyryanov, G. V., Guan, K., Ehrlich, H. (2020). Marine biomaterials: Biomimetic and pharmacological potential of cultivated *Aplysina aerophoba* marine demosponge. *Materials Science and Engineering: C*, 109, 110566. (IF: 5.88)
 10. Joksimović, D., Perošević-Bajčeta, A., Pešić, A., **Martinović, R.**, Bošković, N. (2020) Heavy metal concentrations in sediment and fish species from Boka Kotorska Bay. *Studia Marina*, 33 (1): 26-35
 11. Schubert, M., Binnewerg, B., Voronkina, A., Muzychka, L., Wysokowski, M., Petrenko, I., Kovalchuk, V., Tsurkan, M., **Martinovic, R.**, Bechmann, N., Ivanenko, V. N., Fursov, A., Smolii, O. B., Fromont, J., Joseph, Y., Bornstein, S. R., Giovine, M., Erpenbeck, D., Guan, K., Ehrlich, H. (2019). Naturally prefabricated marine biomaterials: isolation and applications of flat chitinous 3D scaffolds from *lanthella labyrinthus* (Demospongiae: Verongiida). *International journal of molecular sciences*, 20(20), 5105. (IF: 4.183)
 12. Kovalchuk, V., Voronkina, A., Binnewerg, B., Schubert, M., Muzychka, L., Wysokowski, M., Tsurkan, M. V., Bechmann, N., Petrenko, I., Fursov, A., **Martinovic, R.**, Ivanenko, V. N.; Fromont, J., Smolii, O. B., Joseph, Y., Giovine, M., Erpenbeck, D., Gelinsky, M., Springer, A., Guan, K., Bornstein, S. R., Ehrlich, H. (2019). Naturally drug-loaded chitin: isolation and applications. *Marine drugs*, 17(10), 574. (IF: 3.772)
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