

Dekanu Biološkog fakulteta

Prof. dr Ljubiši Stanisavljeviću

U skladu sa članom 10 stav 5 Pravilnika o minimalnim uslovima za sticanje zvanja nastavnika na Univerzitetu u Beogradu („Glasnik Univerziteta u Beogradu“ br. 192/16, 195/16, 199/17, 203/18 i 223/21) nakon pet godina od izbora u zvanje REDOVNI PROFESOR podnosim sledeći

IZVEŠTAJ O RADU

U poslednjih pet godina najvažniji rezultati mog nastavnog i naučnog rada su sledeći:

NASTAVNE AKTIVNOSTI:

Objavljeni univerzitetski praktikumi

Rajko Roljić, **Vera Nikolić** (2022) Zoologija beskičmenjaka. Praktikum sa radnom sveskom. Univerzitet u Banjoj Luci. 1-211. ISBN 978-99976-86-04-6

Tamara Karan Žnidaršič, Ana Marić, Dubravka Škraba Jurlina, Dragana Miličić, **Vera Nikolić** (2025). Zoologija - praktikum Biološki fakultet, 1-85. ISBN 978-86-7078-190-0

Mentorstvo- odbranjen diplomski rad

Dragana Dragojević (2020). „Morfometrijske karakteristike odabrane vrste krpelja (*Ixodidae*) na području izletišta Mlinska Rijeka“. Univerzitet u Banja Luci, PMF mentor

Tanja Elez (2025) „Struktura i dinamika zajednice ektobionata domestikovanih golubova (*Columba livia* var. *domestica*) na području Laktaša“ Univerzitet u Banja Luci, PMF mentor

Mentorstvo - odbranjen master rad

Ljiljana Ninić (2021): „Sastav i struktura zajednice zooplanktona veštačke akumulacije Grliško jezero u Istočnoj Srbiji“. Mentor sa dr Draganom Miličić

Učešće u komisijama za odbranu doktorskih disertacija:

Stefan Luketa: „Taksonomija testatnih ameba koje naseljavaju mahovine na području Istočne Hercegovine“. Doktorska disertacija, 08.12.2020. PMF, Univerzitet u Novom Sadu

Aleksandra Uzelac : „Biološka i molekularna karakterizacija sojeva loze *III Toxoplasma gondii* izolovanih u Srbiji“ Doktorska disertacija 30. 12. 2021.

Vladimir Ćirković: „Prisustvo i genetički diverzitet *Giardia intestinalis*, *Cryptosporidium* spp. i *Toxoplasma gondii* u površinskim vodama Srbije“. Doktorska disertacija 04. 07. 2022.

Eldar Tanovic „Ekofiziološka i morfološko-genetička karakterizacija populacija vrste *Squalius cephalus* Linnaeus, 1758 iz tekućica sjeveroistočne Bosne“. Doktorska disertacija, Univerzitet u Tuzli, PMF, 15.09.2022.

Tamara Kanjuh „Genetički diverzitet potočne pastrmke (*Salmo trutta* L, 1758) Dunavskog sliva na području Hrvatske“ 27.05.2023. Bioloski fakultet, Univerzitet u Beogradu 2023

Dužanka Berak Čihorić „Morfološke, ekološke i faunističke odlike trebinjske *gaovice Delminichthys ghetaldii* i dabarske *gaovice Telestes dabar*, endemi; njih vrsta iz kra[kih polja u slivu reke Trebisnjice istocnog dela Hercegovine“ Bioloski fakultet, Univerzitet u Beogradu 10.01. 2025.

Učešće u Komisiji za odbranu master rada

Vukašin Gojšina (2021) „Prilog poznavanju faune puževa (Mollusca, Gastropoda) južnog Banata“. Član. 13.09.2021.

Vojislav Sokolović (2022) „Prvi podaci o genetičkoj raznovrsnosti dužičaste *pastrmke Oncorhynchus mykiss* (Walbaum 1792) u Srbiji dobijeni korišćenjem mitohondrijske DNK“. Član, 19.09.2022.

Stručno usavršavanje za nastavnike biologije u osnovnim školama u organizaciji Društva biologa u Republici Srpskoj 24. I 25. Februar 2023. Godine PMF Banja Luka

RECENZIJE OSTALIH PUBLIKACIJA KATEGORIJE M90:

Osnovi anatomije životinja - praktikum Ana Marić, Tamara Karan Žnidaršič, Dragana Miličić Biološki fakultet 2024

Protozoologija, praktikum sa radnom sveskom, dr Dubravka Škraba Jurlina i Tamara Ćulafić, Biološki fakultet 2025

NAUČNO ISTRAŽIVAČKI RAD

M21 Ana Marić, Ivan Špelić, Tena Radočaj, Zoran Vidović, Tamara Kanjuh, Lorenzo Vilizzi, Marina Piria, **Vera Nikolić**, Dubravka Škraba Jurlina, Danilo Mrdak, Predrag Simonović (2022). Changing climate may mitigate the invasiveness risk of non-native salmonids in the Danube and Adriatic basins of the Balkan Peninsula (south-eastern Europe). *NeoBiota* 76: 135–161 doi: 10.3897/neobiota

M22 Škraba Jurlina, D., Marić, A., Mrdak, D., Kanjuh, T., Špelić, I., **Nikolić, V.**, Piria, M. & P. Simonović (2020). Alternative life-history in native trout (*Salmo* spp.) suppresses the invasive effect of alien trout strains introduced into streams at the western part of the Balkans. *Frontiers in Ecology and Evolution* doi: 10.3389/fevo.2020.00188

Nikolić, V.; Nedić, Z.; Škraba Jurlina, D.; Djikanović, V.; Kanjuh, T.; Marić, A.; Simonović, P. Status and Perspectives of the Ichthyofauna of the Labudovo okno Ramsar Site: An Analysis of 14 Years of Data. Sustainability 2023, 15, 9303. <https://doi.org/10.3390/su15129303>

Andjus, S.; Tubić, B.; Vasiljević, B.; **Nikolić, V.**; Paunović, M. Anomalies of Sponge Spicules: Exploring Links to Environmental Pollution. Water 2024, 16, 332. <https://doi.org/10.3390/w16020332>

Roljić, Rajko, **Nikolić, Vera**, Djikanovic, Vesna, Zorić, Katarina, Urošević, Aleksandar, & Markovic, Vanja. (2024). Morphometric characteristics of spiny-cheek crayfish *Faxonius limosus* (Rafinesque, 1817) from the Danube River on the territory of Serbia. Archives of Biological Sciences. <https://doi.org/10.2298/ABS231212005R>

Katarina Zorić, Vanja Bugarski-Stanojević, Rajko Roljić, **Vera Nikolić**, Gorana Stamenković, Marija Ilić and Vanja Marković: Filling the gaps in the genetic diversity of *Austropotamobius torrentium* (Astacidae, Decapoda) from one of the few unexplored hot spots Knowl. Manag. Aquat. Ecosyst., 426 (2025) 2 DOI: <https://doi.org/10.1051/kmae/2024023>

Nedić, Z., Simonović, P., Đikanović, V., Nicolae, R., Jurlina, D. Š., & **Nikolić, V.** (2025). A Study of Fish Community at the Obedska Bara Ramsar Site and Pathways to Sustainable Management. Sustainability, 17(2), 749. <https://doi.org/10.3390/su17020749>

Simonović P, Sokolović V, Ristovska M, Marić A, Rebok K, **Nikolić V**, Radočaj T, Špelić I, Kanjuh T, Vidović Z, Vilizzi L, Piria M (2025) Challenges to preserving native brown trout diversity in the Western Balkans. Management of Biological Invasions 16: 105–116, <https://doi.org/10.3391/mbi.2025.16.1>

Zlatko Nedić; Raluca Nicolae; Stefan Popescu; Vlatko Rožac; **Vera Nikolić** (2025) Biodiversity and Seasonal Dynamics of Waterbirds in the Danube Wetland North of Kopački rit. Diversity (ISSN 1424-2818) , Volume 17, Issue 10, 669

M23 Predrag Simonović, Ana Marić, Dubravka Škraba Jurlina, Tamara Kanjuh & **Vera Nikolić** (2020) Determination of resident brown trout *Salmo trutta* features by their habitat characteristics in streams of Serbia. Biologia volume 75, pages103–114

Simonović P, Ristić R, Milčanović V, Polovina S, Malušević I, Radić B, Kanjuh T, Marić A, **Nikolić V.** (2021): Effects of run-of-river hydropower plants on fish communities in montane stream ecosystems in Serbia. River Res Appl; 37(5), pp. 722–731

Rajko Roljić, Nebojša Savić & **Vera Nikolić** (2022) First Insight into Distribution and Ecology of *Austropotamobius torrentium* (Decapoda: Astacidae) in the North-Western Bosnia and Herzegovina. Acta zoologica bulgarica 74 (2), June 2022: 265-271

Marić A, Srećković Batočanin D, Škraba Jurlina D, Brkušanić M, Karanović J, Kanjuh T, **Nikolić V**, Mrdak D, Simonović P (2023) A treatise about reliability in dating events of evolutionary history of brown trout *Salmo cf. trutta* (Actinopterygii) at Western Balkans: impassable barriers, isolation of populations and

assistance of geological timeframe. *Acta Ichthyologica et Piscatoria* @(#): 1–@.
<https://doi.org/10.3897/aiep.@.97702>

M24 Rajko Roljić, **Vera Nikolić**, Nebojša Savić (2020) Morphological variability and sexual dimorphism of stone crayfish *Austropotamobius torrentium* from the Marjanovića stream (Bosnia and Herzegovina). *Kragujevac J. Sci.* 42 (2020) 143-150.

Azra Bakrac , Biljana Rimceska , Branka Bilbija , Ana Atanackovic , Aida Dzaferovic, **Vera Nikolic**, Vanja Markovic (2021) Aquatic Macroinvertebrates Diversity in the Upper Stretch of Una River (Una National Park, SW Bosnia and Herzegovina). *Ecologia Balkanica* Vol. 13, Issue 1 pp. 131-141

Pajčin, R., Roljić, R., Ružić, Z., **Nikolić, V.**, Marković, Z., Paraš, S. (2022): Comparative analysis of selected tissues of brown trout from the fish pond and River Pliva, Bosnia and Herzegovina. *Croatian Journal of Fisheries*, 80, 151-164. DOI: 10.2478/cjf-2022-0016

Simonovic P., Dekic R. **Nikolic V.** (2023). New record of marbled polecat *Vormela peregusna* (Güldenstädt, 1770) (Mammalia: Carnivora: Mustelidae: Ictonychinae) out of its current distribution range. *Kragujevac J. Sci.*

Ljiljana Ninić, **Vera Nikolić**, Vesna Đikanović, Dragana Miličić (2023): The composition and structure of the microcrustacean zooplankton of the artificial reservoir Grliško in eastern Serbia. *Kragujevac J. Sci.* 45 (2023) 345-354 doi: 10.5937/KgJSci2345345N

Sokolović, D. V., Marić, D. A., **Nikolić, P. V.**, Kanjuh, A. T., Škraba Jurlina, V. D., Simonović, D. P. (2024): First record of huchen *Hucho hucho* (Linnaeus 1758) in the Grza Giver: Human-caused introduction from its native habitat in Serbia. *Croatian Journal of Fisheries*, 82, 79-83. DOI: 10.2478/cjf-2024-0010

Rajko Roljić, Maja Šibarević, Elvira Hadžiahmetović Jurida, **Vera Nikolić** (2024) Ecological and morphological characteristics of Tte Danube crayfish *Pontastacus leptodactylus* (Eschscholtz, 1823) from the Matura River (Bosnia and Herzegovina) *Acta Scientifica Balcanica*, 2024, 5(1) DOI: 10.7251/ASB240501037R

M32 Đikanović V., Čanak Atlagić J., Zorić, K., Andjus, S., Ilić, M., **Nikolić, V.**, Jovičić, K. (2023). Composition of the fish community of the Ribnica River with respect to the conservation status. In: Šerbula, S. (Ed.), *Proceedings of 30th International Conference Ecological Truth and Environmental Research - EcoTER'23*, 20-23 June 2023, Stara Planina, Serbia; [organized by University of Belgrade, Technical faculty in Bor (Serbia)], pp. 99-103

M44 Simonović P. & **V. Nikolić** (2025) Risk from untreated groundwaters of jadar mine to fish of River Jadar as main wastewaters recipient. In book: *PROJECT JADAR - POSSIBLE ADVERSE EFFECTS ON WILDLIFE AND HUMAN HEALTH* Publisher: Univerzitet u Beogradu - Biološki fakultet [University of Belgrade - Faculty of Biology]

M52 Rajko Roljić, **Vera Nikolić**, Nebojša Savić (2020) Investigations of Variability of Morphometric Characteristics in Stone Crayfish in Order to Preserve Autochthonous Genome. Quality of Life (BanjaLuka) APEIRON 18 (1-2). <http://dx.doi.org/10.7251/QOL2001011R>

Rajko Roljić, **Vera Nikolić**, Nebojša Savić (2020) Morphological variability and sexual dimorphism of noble crayfish *Astacus astacus* from the Balkana Lake. Bulletin of Natural Sciences Research DOI: <https://doi.org/10.5937/bnsr10-23098> Vol. 10, No. 2, 2020, pp. 7-11.

Sadbera Trožić-Borovac, Rajko Roljić, Radoslav Dekić, Maja Manojlović, **Vera Nikolić**, Svetlana Lolić, Sanda Midžić-Kurtagić, Senad Šljuka (2023): Ecological conditions and phenotypic characteristics of *Austropotamobius torrentium* (Schrank, 1803) in the Subotica and Toplik Rivers. Agroknowledge Journal 23 (4). DOI 10.7251/AGREN2204237B

M34 Rajko Roljić & **Vera Nikolić** REPRODUCTIVE CHARACTERISTICS OF DANUBE CRAYFISH (*Pontastacus leptodactylus*) FROM THE MATURA RIVER IV SYMPOSIUM OF BIOLOGISTS AND ECOLOGISTS OF REPUBLIC OF SRPSKA with international participation – SBERS2020 Faculty of Natural Sciences and Mathematics, University of Banja Luka 12-14 November 2020. Book of Abstracts 54-55.

Rajko Roljić, Radoslav Dekić, Avdul Adrović and **Vera Nikolić** MORPHOMETRIC CHARACTERISTICS AND CONDITION INDICES OF NOBLE CRAYFISH *Astacus astacus* L. FROM THE PLIVA RIVER University of Zagreb, Faculty of Science 5. PhD Student Symposium 2021 25, 2021–April 24 . Book of Abstracts 239/

Zlatko Nedić, Predrag Simonović and **Vera Nikolić**: A note on the occurrence of *Pallisentis ussuriensis* (Kostylev, 1941) (Acanthocephala) from the brown bullhead (*Ameiurus nebulosus*) in Bosnia and Herzegovina 13th European Multicolloquium of Parasitology Belgrade, Serbia October 12-16. 2021. Book of Abstracts 206-207.

Vera Nikolic, Rajko Roljic FIRST NOTE OF PRESENCE OF LERNAEOCERA LUSCI (PENELLIDAE: COPEPODA) IN FROZEN FISH IN SERBIAN SUPERMARKETS". Seventh International Scientific Conference "June 5th' World Environment Day. Bihac 09-10. June 2022., Book of Abstracts p.28.

Vera Nikolic, Dubravka Skraba Jurlina, Ana Maric, Tamara Kanjuh, Predrag Simonovic "ICHTHYOFAUNA DIVERSITY IN A PROTECTED AREA LABUDOVO OKNO – RAMSAR SITE IN SERBIA". Seventh International Scientific Conference "June 5th' World Environment Day. Bihac 09-10. June 2022., Book of Abstracts p.5.

Predrag Simonović, Tamara Kanjuh, Ivan Špelić, Ana Tošić, Tena Radočaj, **Vera Nikolić**, Marina Piria "Inland Fisheries and Aquaculture - Advances in Technology, Stock Assessment and Citizen Science in an Era of Climate Change", 20th and 21st June 2022, Killarney, Co. Kerry, Ireland."

Rajko Roljic, Radoslav Dekić, Maja Šibarević, **Vera Nikolić**, Sadbera Trožić-Borovac, Avd ul Adrović, Dragojla Golub The state of the aquatic genetic resources (AqGR) in Bosnia and Herzegovina. Interenational scientific conference " Perspectives of forestry and related sectors as drivers of sustainable development in the post-Covid era" 29-30. September 2022, Banja Luka.

Ana Marić, **Vera Nikolić**, Tamara Kanjuh, Vojislav Sokolović, Dubravka Škraba Jurlina, Predrag Simonović. Do non-native fish species now predominate in the River Danube in the National Park "Djerdap"? Joint ESENIAS & DIAS Scientific Conference 2023 and 12th ESENIAS Workshop 11–14 October 2023 Varna, Bulgaria. Book of Abstracts p.95.

Ana Marić, Goran Žikić, Tamara Kanjuh, Vojislav Sokolović, **Vera Nikolić**, Dubravka Škraba Jurlina, Predrag Simonović. First record of black carp *Mylopharyngodon piceus* in Serbia. Joint ESENIAS & DIAS Scientific Conference 2023 and 12th ESENIAS Workshop 11–14 October 2023 Varna, Bulgaria. Book of Abstracts p.114.

Vera Nikolić, Rajko Roljić, Zlatko Nedić, Dubravka Škraba Jurlina, Vojislav Sokolović, Tamara Kanjuh, Ana Marić, Predrag Simonović – New distribution record of *Faxonius (Orconectes) limosus* Rafinesque, 1817 in Lake Čelije, Serbia. Joint ESENIAS & DIAS Scientific Conference 2023 and 12th ESENIAS Workshop 11–14 October 2023 Varna, Bulgaria. Book of Abstracts p.115.

Marković V, Đuretanović S, Roljić R, **Nikolić V**, Zorić K. Morphological variability among populations of *Austropotamobius torrentium* (Schrank, 1803) from central Balkan. In Maguire I (Ed): BOOK OF ABSTRACTS of International Association of Astacology Symposium 24, September 16 – 20, 2024, Zagreb, Croatia ISBN 978-953-6202-16-4 114-115

Roljić R, Atanacković A, **Nikolić V**, Marković V, Zorić K. A contribution to the knowledge of the *Branchiobdella* species of the Balkan region. BOOK OF ABSTRACTS of International Association of Astacology Symposium 24, September 16 – 20, 2024, Zagreb, Croatia ISBN 978-953-6202-16-4 125

Roljić R, **Nikolić V**, Zorić K, Marković V Morphological variability and condition of introduced spiny-cheek crayfish populations occupying different habitats in Serbia BOOK OF ABSTRACTS of International Association of Astacology Symposium 24, September 16 – 20, 2024, Zagreb, Croatia ISBN 978-953-6202-16-4 124

Nikolić, V., Roljić, R., Marković V., Ilić, M., Urošević, A., Zorić, K., Đuretanović, S. 2025. Invazivni rak *Faxonius limosus* (Rafinesque, 1817) u centralnoj Srbiji: morfometrijska i kondiciona analiza populacije iz akumulacije Čelije. Program i izvodi saopštenja sa druge konferencije Srpskog biološkog društva "Stevan Jakovljević" Kragujevac, 17-19. septembar 2025., Kragujevac, Srbija. Srpsko biološko društvo "Stevan Jakovljević" Kragujevac, p. 77.

M61 Nikolic, V. (2022). Veliki umovi u Velikom ratu: Albanska golgota i francuske godine 1914-1919. Obeležavanje 150 godina od rođenja akademika Živojina Đorđevića, u organizaciji Srpske akademije nauka i umetnosti, Biološkog fakulteta i Fakulteta veterinarske medicine Univerziteta u Beogradu, 16. 06. 2022, Beograd, Srbija. SANU, Odeljenje hemijskih i bioloških nauka, knjiga 23, str 55-64

Nikolic, V. (2022). Miksosporidi pred akademikima: pristupna beseda. Obeležavanje 150 godina od rođenja akademika Živojina Đorđevića, u organizaciji Srpske akademije nauka i umetnosti, Biološkog fakulteta i Fakulteta veterinarske medicine Univerziteta u Beogradu, 16. 06. 2022, Beograd, Srbija. SANU, Odeljenje hemijskih i bioloških nauka, knjiga 23, str. 81-87.

Osnovne nastavne aktivnosti

Objavljen praktikum	14	2	28
Mentorstvo- odbranjen diplomski rad	4/2	2	8
Mentorstvo odbranjenog master rada	4/2	1	2
Učešće u komisijama za odbranu doktorske disertacije	4	6	24
Učešće u komisijama za odbranu master rada	1	2	2
Držanje nastave na kursu za koji je kandidat u potpunosti pripremio program	6	2	12
Držanje nastave na kursu za koji je kandidat pripremio dopunu programa	4	2	8
Držanje nastave na kursu za koji je kandidat preuzeo nastavni program	2	1	2
Ukupno osnovne nastavne aktivnosti			86

Osnovne naučne aktivnosti

M21	Rad u vodećem međunarodnom časopisu	8	1	8
M22	Rad u istaknutom međunarodnom časopisu	8	3	24
M23	Rad u međunarodnom časopisu	3	4	12
M24	Rad u časopisu verifikovanog posebnom odlukom (bez IF)	2	7	14
M34	Saopštenje s međunarodnog skupa štampano u izvodu	0.5	14	7
M44	Poglavlje u ediciji posvećenoj određenoj naučnoj oblasti	2	1	2
M52	Rad u časopisu nacionalnog značaja	1.5	3	4.5
M61	Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	2	1.5	3
Ukupno za osnovne naučne aktivnosti				76.5

Osim navedenog, bila sam gostujući editor u dva časopisa kategorije M20, recenzent više od 20 radova u časopisima kategorije M20, kao i predsednik i član desetak komisija za izbore u nastavna i naučna zvanja. U toku su takođe i pripreme dokumentacije za učešće na jednom INTERREG i jednom HORIZON projektu u kojima aktivno učestvujem. U poslednjih pet godina sam bila učesnik više aplikativnih projekata i

izrade stručnih elaborata vezanih za Programe upravljanja ribarskim područjima, kao i procene statusa površinskih voda.

Ukoliko ima nekih nejasnoća ili pitanja, stojim na raspolaganju.

S poštovanjem,

A handwritten signature in blue ink, appearing to be 'Vera Nikolić', written in a cursive style.

Vera Nikolić