

1. Personal information

Tijana Veličković

Date of birth: 23. 01. 1991.

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2. Academic career/Work experience

Research Associate

Faculty of Science, University of Kragujevac, Kragujevac, Serbia [July 2024 – Present]

Teaching Assistant

Faculty of Science, University of Kragujevac, Kragujevac, Serbia [September 2020 – Present]

Research Assistant

Faculty of Science, University of Kragujevac, Kragujevac, Serbia [January 2019 – January 2023]

Junior Research Assistant

Faculty of Science, University of Kragujevac, Kragujevac, Serbia [February 2016 – January 2019]

Volunteer

Aquarium – Centre for Conservation of Biodiversity and Fishing in inland waters, Faculty of Science, University of Kragujevac, Kragujevac, Serbia [September 2013 – Present]

3. Education and training

PhD in Biology

Faculty of Science, University of Kragujevac, Kragujevac, Serbia [2023]

Thesis: "The conception of the model for sustainable use of the brown trout species complex (*Salmo* spp.) populations on the territory of Serbia"

Supervisors: Dr. Vladica Simić, Dr. Saša Marić

M.Sc. in Biology

Faculty of Science, University of Kragujevac, Kragujevac, Serbia [2015]

Thesis: "The application of cryopreservation as a method for conservation of endangered fish species in the case of huchen (*Hucho hucho*)"

Supervisor: Dr. Vladica Simić

B.Sc. in Biology

Faculty of Science, University of Kragujevac, Kragujevac, Serbia [2013]

Training at Zoology Laboratory, National Museum, Prague, Czech Republic. During this period, as part of my doctoral research on brown trout populations, I completed a stay at the Zoology Laboratory of the National Museum in Prague. There, I gained proficiency in DNA isolation techniques, polymerase chain reaction (PCR), electrophoresis, and DNA purification methods. In subsequent years, I returned for several shorter study stays to further my expertise in these areas [January 2017 – March 2017].

5th AQUAGAMETE Training school "Molecular basis of fish gamete quality: genomic tools", *Institut National de la Recherche Agronomique (INRA)*, Rennes (France) supported by *COST Action FA1205: AQUAGAMETE* [June 2016]

4th Aquagamete Training school "Optical microscopy and image analysis training course", *University of Ceske-Budejovice, Faculty of Fisheries and Quality of Water*, Vodňany (Czech Republic) supported by *COST Action FA1205: AQUAGAMETE* [March 2015]

3rd Aquagamete Training school "Techniques in reproductive biology and cryobanking", *University of Algarve, Campus Gambelas*, Faro (Portugal) supported by *COST Action FA1205: AQUAGAMETE* [January 2015]

4. Personal skills

Language skills

Mother language: Serbian

Other language(s) *:

English: Listening: C1, Reading: C1, Spoken production: C1, Spoken interaction: C1, Writing: C1.

French: Listening: A1, Reading: A1, Spoken production: A1, Spoken interaction: A1, Writing: A1.

*Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

By Common European Framework of Reference for Languages

5. Teaching Experience

Teaching practical courses at the Department of Biology and Ecology, Faculty of Science, University of Kragujevac, Serbia [2016 – Present]:

Undergraduate academic studies in Biology:

- Basics of Hydrobiology,
- Field lessons,
- Animal Ecology.

Undergraduate academic studies in Ecology:

- Hydroecology,
- Practical work and field researches in ecology,
- Synecology,
- Animal Ecology and Geography.

Graduate academic studies in Ecology:

- Conservation biology,
- Behavioral ecology,
- Endangered species management.

6. Research Project

CZ TAF - Synthesys + Call 4 Project: "Conservation efforts for *Salmo letnica* based on DNA markers analysis of potential back up population from Lisina Lake in Serbia". Department of Zoology, National Museum of the Czech Republic, Prague, Czech Republic [February 2023].

"Анализ и проучвания на видовете и природните местообитания в България, предмет на докладване съгласно чл. 17 от Директивата за местообитанията и чл. 12 от Директивата за птиците" ("Analyzes and studies of species and natural habitats subject to reporting under Art. 17 of the Habitats Directive and Art. 12 of the Birds Directive"). Project No. BG16M1OP002-3.003-0001. Executive Environmental Agency, Sofia, Bulgaria, Institute for Biological Research "Siniša Stanković" National Institute of the Republic of Serbia [February 2019 – May 2022].

"Biosensing Technologies and Global System for Long-Term Research and Integrated Management of Ecosystems". Project No. III43002. Ministry of Education, Science and Technological Development of the Republic of Serbia [April 2018 – December 2019].

7. Grants

Short-term Scientific Mission, Szent István University, Department of Aquaculture, Gödöllő, Hungary supported by COST Action FA1205: AQUAGAMETE [July 2015].

"Cryopreservation in fisheries and conservation of salmonid fish species in Serbia". Royal Norwegian Embassy, Grant Letter for SRB-15/0009, Faculty of Science Kragujevac [April 2015 – May 2016].

8. Scientific Publications

I have published 11 journal articles, two peer-reviewed non-ISI journal articles, three book chapters, and one university textbook while focusing on ecological, phylogeographic, and population genetic analyses of freshwater fish. I participated in 15 international scientific conferences, presenting 11 papers and eight abstracts.

Journal Articles

Veličković T, Snoj A, Bravničar J, Simić V, Šanda R, Vukić J, Barcutè D, Stanković D, Marić S. Population-genetics analysis of the brown trout broodstock in the "Panjica" hatchery (Serbia) and its conservation applications. *Knowledge and Management of Aquatic Ecosystems*. 2024; in press. DOI: 10.1051/kmae/2024014

Milošković A, Radenković M, Kojadinović N, **Veličković T**, Đuretanić S, Simić V. Potentially toxic elements in pikeperch (*Sander lucioperca* L.) from the Gruža Reservoir: Health risk assessment related to fish consumption by the general population and fishermen. *Journal of the Serbian Chemical Society*. 2024; 00: 1-44.

DOI:10.2298/JSC240110044M

Radenković M, Milošković A, Stojković Piperac M, **Veličković T**, Curtean-Bănăduc A, Bănăduc D, Simić V. Feeding patterns of fish in relation to the trophic status of reservoirs: a case study of *Rutilus rutilus* (Linnaeus, 1758) in five fishing waters in Serbia. *Fishes*. 2023; 9: 21. DOI: 10.3390/fishes9010021

Veličković T, Snoj A, Simić V, Šanda R, Vukić J, Barcytė D, Stanković D, Marić S. A new perspective on the molecular dating of the brown trout complex with an extended phylogeographic information on the species in Serbia. *Contributions to Zoology*. 2023; 92 (4): 362-389. DOI: 10.1163/18759866-bja10046

Jakovljević M, Nikolić M, Kojadinović N, Đuretanić S, Radenković M, **Veličković T**, Simić V. Population Characteristics of Spirlin *Alburnoides bipunctatus* (Bloch, 1782) in Serbia (Central Balkans): Implications for Conservation. *Diversity*. 2023; 15 (5): 616. DOI: 10.3390/d15050616

Simić V, Bănăduc D, Curtean-Bănăduc A, Petrović A, **Veličković T**, Stojković-Piperac M, Simić S. Assessment of the ecological sustainability of river basins based on the modified the ESHIPPOfish model on the example of the Velika Morava basin (Serbia, Central Balkans). *Frontiers in Environmental Science*. 2022; 10: 952692.

DOI: 10.3389/fenvs.2022.952692

Radenković M, Stojković Piperac M, Milošković A, Kojadinović N, Đuretanić S, **Veličković T**, Jakovljević M, Nikolić M, Simić V. Diet seasonality and food overlap of *Perca fluviatilis* (Actinopterygii: Perciformes: Percidae) and *Rutilus rutilus* (Actinopterygii: Cypriniformes: Cyprinidae) juveniles: A case study on Bovan Reservoir, Serbia. *Acta Ichthyologica et Piscatoria*. 2022; 52 (1): 77-90. DOI:10.3897/aiep.52.78215

Marić S, Bănăduc D, Gajić Đ, Šanda R, **Veličković T**. *Sabanejewia romanica* (Băcescu, 1943) (Actinopterygii: Cobitidae), a new species for the ichthyofauna of Serbia. *Acta Zoologica Bulgarica*. 2022; 74 (3): 369-377.

Veličković T, Simić V, Šanda R, Radenković M, Milošković A, Radojković N, Marić S. New Record of a Population of *Telestes souffia* (Risso, 1827) (Actinopterygii: Cyprinidae) in Serbia. *Acta Zoologica Bulgarica*. 2020; 72 (1):13-20.

Kojadinović N, Marinović Z, **Veličković T**, Milošković A, Jakovljević M, Horváth Á, Simić V. Cryopreservation of Danube barbel *Barbus balcanicus* sperm and its effects on sperm subpopulation structure. *Archives of Biological Sciences*. 2020; 72(4): 525-534. DOI: 10.2298/ABS200831046K

Milošković A, Milošević Đ, Radojković N, Radenković M, Đuretanić S, **Veličković T**, Simić V. Potentially toxic elements in freshwater (*Alburnus* spp.) and marine (*Sardina pilchardus*) sardines from the Western Balkan Peninsula: An assessment of human health risk and management. *Science of the Total Environment*. 2018; 644: 899-906.

DOI: 10.1016/j.scitotenv.2018.07.041

Book Chapters

Simić V, Miljanović B, Petrović A, Radenković M, Stojković Piperac M, **Veličković T**, Jakovljević M, Simić S. Inland fisheries in Serbia: historical aspect, fish resources, management, and conservation. In *Ecological Sustainability of Fish Resources of Inland Waters of the Western Balkans* (pp. 113-200). Springer, Cham; 2024.

ISSN: 2542-890X. DOI: 10.1007/978-3-031-36926-1_4

Simić V, Simić S, Petrović A, **Veličković T**, Simović P, Stojković Piperac M, Milošević Đ. A brief overview of the development of the ES–HIPPO model for assessing the sustainability and conservation priorities of fish, fish resources, and inland water habitats. In *Ecological Sustainability of Fish Resources of Inland Waters of the Western Balkans* (pp. 549-571). Springer, Cham; 2024.

ISSN: 2542-890X. DOI: 10.1007/978-3-031-36926-1_14

Milošković A, Đuretanić S, Radenković M, Kojadinović N, **Veličković T**, Milošević Đ, Simić V. Pollution of small lakes and ponds of the Western Balkans—assessment of levels of potentially toxic elements. In *Small Water Bodies of the Western Balkans* (pp. 419-435). Springer, Cham; 2022.

ISSN: 2364-6934. DOI: 10.1007/978-3-030-86478-1_19