



## Simona Đuretanović

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### ABOUT ME

The scientist with many years of experience in the field of hydrobiology and biodiversity conservation of freshwater ecosystems.

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### EDUCATION

#### Ph.D. in Biological Sciences

*University of Kragujevac, Faculty of Science, May 2020.*

*Republic of Serbia*

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### PROFESSIONAL EXPERIENCE

[2020–Current] **Research associate**

*Faculty of Science, University of Kragujevac*

[2013–2020] **Research assistant**

*Faculty of Science, University of Kragujevac*

[2010–2013] **Junior research assistant**

*Faculty of Science, University of Kragujevac*

[2009–2010] **Junior teaching assistant**

*Faculty of Science, University of Kragujevac*

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### MEMBERSHIPS

#### Serbian biological society "Stevan Jakovljević" Kragujevac.

Member of the executive board of Serbian biological society "Stevan Jakovljević".

Member of the scientific board of the First conference of Serbian biological society "Stevan Jakovljević".

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## ADMINISTRATIVE AND SOCIAL ACTIVITIES

[2023–Curr.] **The Ministry of Science, Technological Development and Innovation, Belgrade, Serbia**

Member of the working group tasked with making proposals to address the status of researchers at faculties.

[2020–2025] **Subcommittee of the Science Union of Serbia**

Commissioner of the subcommittee of the Science Union of Serbia at the Faculty of Science, University of Kragujevac.

[2019–2022] **Council of the Department of biology and ecology, Faculty of Science, University of Kragujevac**

Representative of researchers in the Council of the Department of Biology and Ecology, Faculty of Science.

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## PROJECTS

[2019–2023] **CA18239 Conservation of freshwater mussels: a pan-European approach (CONFREMU)**

[2011–2019] **TR31011 The influence of the quality of components in the diet of cyprinids on the quality of meat, losses & economy of production**

Ministry of Education, Science and Technological Development

[2017–2018] **Stone Crayfish *Austropotamobius torrentium* (Schrank, 1803) in Serbia: Distribution, population density, genetic diversity and conservation**

The Rufford Foundation, RSG Reference 21189-1

[2011–2012] **Assessment of the level of biocontamination of large rivers in Croatia and Serbia**

Bilateral project of the Republic of Serbia and the Republic of Croatia. No. 451-03-615/2011-14/0224 400-1070/11-B

[2011–2012] **Research and promotion of the biodiversity of the reservoir Šumarice with the aim of its preservation and sustainable development**

Environmental Protection Fund, City of Kragujevac

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## PUBLICATIONS

### Book chapters

1. **Đuretanić S.**, Rajković M., Maguire I. (2023). Freshwater Crayfish of the Western Balkans: Is it Possible to Use them Sustainably or Do they Need Prompt Conservation Actions?. In: *Ecological Sustainability of Fish Resources of Inland Waters of the Western Balkans*; pp 341-374. Springer, Nature Switzerland AG. ISBN 978-3-031-36925-4.
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2. Milošković A., **Đuretanović S.**, Radenković M., Kojadinović N., Veličković T., Milošević Đ., Simić V. (2022). 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. ISBN 978-3-030-86477-4
3. Lucić A., Paunović M., Tomović J., **Kovačević S.**, Zorić K., Simić V., Atanacković A., Marković V., Kračun-Kolarević M., Hudina S., Lajtner J., Gottstein S., Milošević Đ., Anđus S., Žganec K., Jaklič M., Simčić T., Vilenica M. (2015). Aquatic Macroinvertebrates of the Sava River. In: *The Sava River*; pp 335-359. Springer-Verlag Berlin Heidelberg. ISBN 978-3-662-44033-9.

### Research articles

1. Jakovljević M., **Đuretanović S.**, Kojadinović N., Nikolić M., Petrović A., Simović P., Simić V. (2024). Assessing spiralin *Alburnoides bipunctatus* (Bloch, 1782) as an early indicator of climate change and anthropogenic stressors using ecological modeling and machine learning. *Science of The Total Environment*, 951, 175723-175723.
  2. Stanković D., Zorić K., **Đuretanović S.**, Stamenković G., Ilić M., Marković V., Marić S. (2024). A new perspective on the molecular dating of the stone crayfish with an extended phylogeographic information on the species. *Hydrobiologia*. <https://doi.org/10.1007/s10750-024-05613-3>
  3. Jakovljević M., Nikolić M., Kojadinović N., **Đuretanović S.**, Radenković M., Veličković T., Simić V. (2023). Population Characteristics of Spiralin *Alburnoides bipunctatus* (Bloch, 1782) in Serbia (Central Balkans): Implications for Conservation. *Diversity*. 15(5), 616. <https://doi.org/10.3390/d15050616>.
  4. Milošković A., Stojković–Piperac M., Kojadinović N., Radenković M., **Đuretanović S.**, Čerba D., Milošević Đ., Simić V. (2022). Potentially toxic elements in invasive fish species Prussian carp (*Carassius gibelio*) from different freshwater ecosystems and human exposure assessment. *Environmental Science and Pollution Research*, 29(19), 29152-29164.
  5. Gross R., Lovrenčić L., Jelić M., Grandjean F., **Đuretanović S.**, Simić V., Burimski O., Bonassin L., Groza M., Maguire, I. (2021). Genetic diversity and structure of the noble crayfish populations in the Balkan Peninsula revealed by mitochondrial and microsatellite DNA markers. *PeerJ*, 9, e11838.
  6. **Đuretanović S.**, Jaklič M., Milošković A., Radojković N., Radenković M., Simić V., Maguire I. (2017). Morphometric variations among *Astacus astacus* population from different regions of the Balkan peninsula. *Zoomorphology*, 136(1): 19-27.
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