



## Predrag Simović

**Work** : Faculty of Science, University of Kragujevac, 34000, Kragujevac, Serbia

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**Website**: <https://www.researchgate.net/profile/Predrag-Simovic>

**Gender**: Male **Date of birth**: 25/10/1995 **Nationality**: Serbian

### WORK EXPERIENCE

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[ 2022 – Current ]

#### Research assistant

*Department of Biology and Ecology, Faculty of Science, University of Kragujevac*

**City**: Kragujevac | **Country**: Serbia

[ 2019 – 2022 ]

#### Young Research associate

*Department of Biology and Ecology, Faculty of Science, University of Kragujevac*

**City**: Kragujevac | **Country**: Serbia

### EDUCATION AND TRAINING

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[ 2018 – 2019 ]

#### MSc of Ecology

*Department of Biology and Ecology, Faculty of Science, University of Kragujevac* <https://www.pmf.kg.ac.rs/>

**City**: Kragujevac | **Country**: Serbia |

[ 2014 – 2018 ]

#### Bachelor of Ecology

*Department of Biology and Ecology, Faculty of Science, University of Kragujevac* <https://www.pmf.kg.ac.rs/>

**City**: Kragujevac | **Country**: Serbia |

### LANGUAGE SKILLS

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**Mother tongue(s)**: Serbian

**Other language(s)**:

**English**

**LISTENING** B2 **READING** B2 **WRITING** B2

**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

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

### DIGITAL SKILLS

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#### My Digital Skills

Microsoft Office, Internet Research, Social Media, Presentation Software

## PROJECTS

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- [ 2019 – Current ] **Project of the Ministry of Science, Technological Development and Innovation of the Republic of Serbia, Grant: No. 451-03-66/2024-03/ 200122.**
- [ 2019 – 2019 ] **Biosensing technologies and a global system for continuous research and integrated management of ecosystems. No. 43002.**
- [ 2022 – Current ] **Application of deep learning in bioassessment of aquatic ecosystems: toward the construction of automatic identifier of aquatic macroinvertebrates, No. 7751676**
- This project combines morphology-, DNA-, and deep learning-based approaches to analyze aquatic macroinvertebrate samples, with the goal of developing a new application for AI-based species identification. This project was supported by the Science Fund of the Republic of Serbia.
- [ 2022 – Current ] **Project of The Center for the Promotion of Science (CPN)**
- Educational outreach; Environmental awareness promotion; Training young people in field research

## PUBLICATIONS

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- [ 2024 ] **Simović P., Milosavljević A., Stojanović K., Radenković M., Predić B., Božanić M., Petrović A., Milošević Dj. (2024): Automated identification of aquatic insects: a case study using deep learning and computer vision techniques. *Science of the Total Environment* 935: 172877. DOI: 10.1016/j.scitotenv.2024.172877**
- [ 2024 ] **Simović P., Milošević Dj., Simić V., Stojanović K., Atanacković A., Jakovljević M., Petrović A. (2024): Benthic macroinvertebrates in a tufa-depositing environment: a case study of highly vulnerable karst lotic habitats in Southeast Europe. *Hydrobiologia* DOI: 10.1007/s10750-024-05629-9**
- [ 2024 ] **Jakovljević M., Đuretanić 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 DOI:10.1016/j.scitotenv.2024.175723**
- [ 2023 ] **Simović P., Simić V., Milošević Dj., Petrović A. (2023). New Records of Species *Taeniopteryx hubaulti* Aubert, 1946 and *Taeniopteryx schoenemundi* (Mertense, 1923) (Plecoptera: Taeniopterygidae) in Serbia. *Journal of the Entomological Research Society* 25(1):155-166 DOI: 10.51963/jers.v25i1.2274**
- [ 2023 ] **Simić S., Rakonjac A., Čabrić K., Đorđević N., Simović P., Petrović A., Simić V. (2023): Water quality of the Lepenica River: Overview and status in 2021. *Kragujevac Journal of Science* 45: 355-376. DOI: 10.5937/KgJSci2345355S**
- [ 2023 ] **Simić V., Simić S. B., Petrović A., Veličković T., Simović P., Stojković Piperac M., Milošević Dj. (2023): 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 book: *Ecological Sustainability of Fish Resources of Inland Waters of the Western Balkans*. DOI: 10.1007/978-3-031-36926-1\_14**
- [ 2022 ] **Simović P., Simić V., Petrović A. (2022): The first record of *Dixella aestivalis* (Meigen, 1818) (Diptera: Dixidae) in Serbia. *Kragujevac Journal of Science* (44):207-214. DOI: 10.5937/KgJSci2244207S**

## VOLUNTEERING

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[ 2017 – 2019 ]

**Center for Fisheries and Inland Water Biodiversity Conservation AQUARIUM - Faculty of Science, University of Kragujevac**

Collaboration with schools; Children's environmental education, Workshops on environmental protection.

Writing environmental protection studies; Fisheries management studies; Hydrobiological studies on protected areas

[ 2018 – Current ]

**Member of student parliament of the Faculty of Science**

## HONOURS AND AWARDS

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[ 2021 ]

**Highest-rated associate in the student survey for the 2020/2021 academic year Awarding institution:** Faculty of Science, University of Kragujevac, Serbia

[ 2018 ]

**Award for outstanding performance in undergraduate biology studies Awarding institution:** Faculty of Science, University of Kragujevac, Serbia

## CONFERENCES AND SEMINARS

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[ 2024 ]

**Simović P., Jakovljević M., Simić V., Milošević Dj., Petrović A. (2024): A preliminary assessment of Chironomidae diversity in tufa-depositing environments in Serbia, Central Balkans, 22nd International Symposium on Chironomidae - ISC22**  
Niš, Serbia

[ 2024 ]

**Simović P. et al. (2024): The macroinvertebrate community composition in some water ecosystem in Stara Planina Mountains (Southeast Serbia), 3rd International Conference on Advances in Science and Technology, COAST 2024**  
Herceg Novi, Montenegro

[ 07/08/2024 – 15/08/2024 ]

**Erasmus + KA152 Youth Exchange** Malaga, Spain

## NETWORKS AND MEMBERSHIPS

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[ 2018 – Current ]

**Ekološko udruženje fanova kampova - Eko fun kamp** Kragujevac

[ 2019 – Current ]

**Ecological association EKOMAR** Kragujevac

## DRIVING LICENCE

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**Cars:** B