

## Zorka Dulić

Full Professor,

Department of Animal Sciences, Faculty of Agriculture, University of Belgrade

Nemanjina 6, Zemun - Belgrade, Serbia

Email: [zorkad@agrif.bg.ac.rs](mailto:zorkad@agrif.bg.ac.rs)

Professional Profiles: [Scopus](#) | [Google Scholar](#) | [ORCID](#)

## PROFESSIONAL APPOINTMENTS

---

2018 –	Full Professor <i>University of Belgrade Faculty of Agriculture</i>
2014 – 2018	Associate Professor, <i>University of Belgrade Faculty of Agriculture</i>
2009 – 2014	Assistant Professor <i>University of Belgrade Faculty of Agriculture</i>
2001 – 2005	Teaching Assistant <i>University of Belgrade Faculty of Agriculture</i>
1998 – 2001	Junior Teaching Assistant <i>University of Belgrade Faculty of Agriculture</i>
1995 – 1998	Project participant <i>University of Belgrade Faculty of Agriculture</i>

## EDUCATION

---

2007	Doctor of Philosophy, Biotechnological Sciences, <i>University of Belgrade, Faculty of Agriculture</i>
2000	Master's of Science, Biology <i>University of Belgrade, Faculty of Biology</i>
1994	Bachelor's of Science. Major: Biology <i>University of Belgrade, Faculty of Biology</i>

## PUBLICATIONS

---

She has published more than 130 articles in national and international Journals and Symposium and Congress Proceedings. H-index 9

### *Selected Publications*

- Ford E., **Dulić Z.**, Arnott S., Sassenhagen I., Isanta-Navarro J., Rodriguez J. L., Urrutia Cordero P., Langenheder S. 2024. Impact of salinization rate on zooplankton community diversity at two lakes in Sweden. ASLO 2024 Meeting 2–7 June 2024, *Adapting to a Changing World*, Madison, Wisconsin, USA.
- Rodriguez J. L., **Dulić Z.**, Ford E., Gao G., Guttormson A., Isanta-Navarro J., Langenheder S., Mullins M., Rodrigo J., Sassenhagen I., Singh A., Urrutia Cordero P., Zhjeqi A., Arnott S. 2024. Site-specific differences, but not exposure profiles drive the responses of primary-producers to freshwater salinization in a multi-site mesocosm experiment. ASLO

2024 Meeting 2–7 June 2024, *Adapting to a Changing World*, Madison, Wisconsin, USA.

- Figary S., Meyer M., Pilla R., Currie W., Aborigo A. A., Adrian R., Alcocer J., Belén Alfonso M., Andrews C., Anneville O., Antão-Geraldes A. M., Arnott S., Galir Balkić A., Ban S., Banerjee A., Barth L., Beaver J., Berger S., Bernát G., Beyer J., Bhattacharya R., Blank K., Bowen K., Brönmark C., Brousil M., Bruel R., Burnet S., Butts T., Carey C., Carey M., Caroni R., Chakrabarty M., Chandra S., Chen H., Chiapella A., Christoffersen S. K., Urrutia Cordero P., Cortés A., Crispim M. C., De Eyto E., De Souza Cardoso L., Deemer B., DeGasperi C., DeMattei B., Deng J., Descy J-P., Dimante-Deimantoviča I., Diovisalvi N., Dondajewska-Pielka R., Doubek J., Dražina T., **Dulić Z.**, et al. 2024. Global-scale compilation of freshwater zooplankton: tiny sentinels of environmental changes ASLO 2024 Meeting 2–7 June 2024, *Adapting to a Changing World*, Madison, Wisconsin, USA.
- Gjoni V., Bruel R., Ersoy Z., Calderó-Pascual M., Barth E. L., Anton-Pardo M., Baludo M. Y., Bartrons M., Brucet S., Beyer J.E., Bernard A., Blackburn-Desbiens P., Carey C.C., Chaguaceda F., Chen H., Christoffersen S. K., Doubek P. J., **Dulić Z.** et al. 2023. Worldwide body size distributions of freshwater crustacean communities - are global mechanisms overriding local ones? *SEB centenary conference*, 4 – 7 July, Edinburgh, UK, Book of Abstracts, p. 68.
- Bruel, R., Ersoy Z., Calderó-Pascual M., Barth L., Stockwell J., Ivanick L., Figari S., Meyer M., Currie W., Anton-Pardo M., Baludo M., Bartrons M., Beyer J., Chaguaceda F., Christoffersen K., **Dulić Z.** et al. 2022. ZooSize: Crustacean zooplankton community size distributions across a worldwide set of freshwater lakes. *GLEON 2022 (Global Lake Ecological Observatory Network)*, Oct 30 – Nov 4, at Lake George, NY, USA. Book of Abstracts, p. 16-17.
- Adámek, Z., **Dulić, Z.**, Hlaváč, D. Anton-Pardo, M. 2021. Insect attractants and plant biomass as natural food complements in pond culture of stock chub (*Squalius cephalus*). *Aquaculture International* 29, pp.1161–1179.
- Poleksić V., Antić S. Pešikan A., **Dulić Z.**, Davidović V., Relić R., Stanković M. and Topisirović G. 2022. Students' perception of professional decision-making in the context of an animal science course: Case study. *Innovations in education and teaching international*, 60:3, 315-324.
- Dulić, Z.**, Živić, I., Pergal, M., Živić, M., Stanković, M., Manojlović, D., Marković, Z. 2018. Accumulation and seasonal variation of toxic and trace elements in tissues of *Cyprinus carpio* from semi-intensive aquaculture ponds. *Annales de Limnologie - International Journal of Limnology*, 54, (4), p. 1-10.
- Stojanović, K., Živić, M., **Dulić, Z.**, Marković, Z., Krizmanić, J., Milošević, Dj, Miljanović, B., Jovanović, J., Vidaković, D. Živić, I. 2017. Comparative study of the effects of a small-scale trout farm on the macrozoobenthos, potamoplankton, and epilithic diatom communities. *Environmental Monitoring and Assessment* 189(8) p. 403.
- Trbović, D., Ivana, Ž., Marko, S., Miroslav, Ž., **Dulić Z.**, Petronijević, R., Marković, Z. 2017. Dependence of the common carp (*Cyprinus carpio* L.) fatty acid profile on diet composition in a semi-intensive farming system: tissue and time variability. *Aquaculture Research* 48, p. 3121–3133.
- Dulić Z.**, Marković Z., Živić M., Ćirić M., Stanković M., Subakov-Simić G., Živić I. 2014. The response of phytoplankton, zooplankton and macrozoobenthos communities to change in

- the water supply from surface to groundwater in aquaculture ponds. *Annales de Limnologie - International Journal of Limnology*, 50, p. 131-141.
- Ćirić, M., Subakov-Simić G., **Dulić Z.**, Bjelanović, K., Čičovački, S., Marković, Z. 2013. Effect of supplemental feed type on water quality, plankton and benthos availability and carp (*Cyprinus carpio* L.) growth in semi-intensive monoculture ponds. *Aquaculture Research*, 46, p. 777–788.

### **Books, Text books**

- Dulić, Z.**, Rašković, B., Marić, S. and Østbye, TK., K. 2019. Application of Molecular Methods in Aquaculture and Fishery. In: Vucelić Radović, B., Lazić, D. and Nikšić, M. (eds.) *Application of Molecular Methods and Raman Microscopy/Spectroscopy in Agricultural Sciences and Food Technology*, Pp. 119–139. London: Ubiquity Press. DOI: <https://doi.org/10.5334/bbj.h>. License: CC-BY 4.0
- Dulić Z.**, Adámek Z., Hlaváč D., Anton-Pardo M. (2018): Zooplankton Ecology in Common Carp Ponds, pp 103-143 In: Rahman M.M., Balcome, S.R. (Eds.) *Cyprinus carpio: Biological Features, Ecology and Diseases and Control Measures*, 298. Nova Science Publishers, Inc. ISBN 978-1-53614-024-8
- Dulić Z.** and Rašković B. 2018 Protection and biomonitoring of aquatic ecosystems. Faculty of Agriculture, University of Belgrade, Belgrade 168 p. ISBN 978-86-7834-299-8 (*in Serbian*)
- Poleksić V., Bogojević J., Marković Z., **Dulić Stojanović Z.** 2003. Zoology for the students of the Department of Animal Husbandry, Faculty of Agriculture, University of Belgrade 432 p. ISBN 86-80733-41-5 (*in Serbian*)

## **PROJECTS**

---

### **International Research Projects**

- |           |  |
|-----------|--|
| 2024 -    | Global measure of biodiversity by sampling environmental DNA from lakes (LeDNA). EXCELLENT SCIENCE - European Research Council (ERC), Grant agreement ID: 85262  |
| 2023 -    | Synthesizing patterns and drivers of changes in lake zooplankton community dynamics worldwide (FresH2O ZOOPS), John Wesley Powell Center for Analysis and Synthesis.                                   |
| 2023      | Plankton responsiveness to exposure of salinity under varying rates (PRESURE). Project was completed under the frame of TA AQUACOSM plus – H2020-INFRIA-Project No 731065.                             |
| 2021      | Zooplankton responses to warming across environmental gradients ( <i>project leader</i> ). Grant No. <a href="#">04f328ab-be53-4051-9b64-eb62e6652eb</a> TA AQUACOSM – H2020-INFRIA-Project No 731065. |
| 2021-2023 | Crustacean zooplankton community size distributions across a worldwide set of freshwater lakes (ZooSize), John Wesley Powell Center for Analysis and Synthesis   |
| 2020 -    | The Zooplankton as Indicators group (ZIG), John Wesley Powell Center for Analysis and Synthesis  |
| 2013–2016 | Advancing Research in Agricultural and Food Sciences at the Faculty of Agriculture, University of Belgrade, (AREA) 7th Framework   |

	Programme, (FP7-REGPOT-2012-2013-1)
2014	Culture of Rheophilic Fish Species Using Sustainable Supplemental Measures ( <i>project leader</i> ). TNA AQUAEXCEL, project code 0093/06/09/24c/B, Project AQUAEXCEL (FP7)
2008–2011	Reinforcement of Sustainable Aquaculture (ROSA), (No. 205135) FP7 (REGPOT – 2007 – 3)
2004–2007	Water Resources Strategies and Drought Alleviation in Western Balkan Agriculture (WATERWEB) FP6

### ***International Bilateral Projects***

2005 - 2007	Scientific cooperation between Serbia and Norway concerning planning and establishing a genetic improvement programme for carp in Serbia, and to transfer knowledge within genetics and selective breeding- project between Faculty of agriculture, University of Belgrade and AKVAFORSK, Institute of Aquaculture Research, Ås Norway.
2002 - 2005	Establishment of cooperation in the field of Aquaculture and Fisheries. Project between the Faculty of Agriculture University of Belgrade and the Institute for Aquaculture Research Akvaforsk, Ås, Norway

### ***Capacity Building for Higher Education Projects (International)***

2013 - 2016	Building capacity of Serbian agricultural education to link with society (CaSA), 544072-TEMPUS-1-2013-1-RS-TEMPUS-SMHES 2013-4604/001-001
2008-2010	Master Studies Development Program - MSDP in Serbia: Environmental Protection in Agriculture (EPA) University of Belgrade, Faculty of Agriculture. World University Service WUS Austria, Project No 004/2008

### ***National Research Projects***

2011 – 2018	Improvement of Production Capacities of Common Carp Through Feeding and Selective Breeding (Project No. 31075)
2008 – 2010	Semi-Intensive Carp Production in Sustainable Aquaculture (Project No. 20047)
2005 – 2007	Development of Feeding Technology for Carp and Trout (Project No. 6903)
2002 - 2004	Technology development and new products in non conventional animal production (Project No. 5. 05. 0541. B)

### ***Trainings and study visits***

2015	Training in molecular-based techniques in aquaculture, Nofima (Ås), Norway
2015	COST-TS-ECOST Training school Aquaponics FA 1305-260415-054883
2009	Study visit to BOKU University, (Vienna, Austria), WUS MSDP+ project
2009	WUS Individual mobility grant. Training in Zooplankton Ecology. University of Vienna, Faculty of Life Sciences, Department for Freshwater Ecology.

2004	Training in aquaculture/larviculture, Nofima (Sunndalsøra) Norway Norwegian Research Council grant.
2003	Course in "Improving pedagogical and research academic skills". Project of the Education Forum and Faculty of Agriculture (University of Belgrade), Belgrade, Serbia.
2002	Feed technology workshop "Aquaculture and fish nutrition". Norwegian University of Life Sciences (Ås) Norway. Department for Zoology and For Tek, Experimental center for feed technology.
2001	Workshop "Development of academic education and agriculture in Southeast Europe". Norwegian – Balkan Pilot Project. Faculty of Agriculture (Sarajevo), BiH

### ***Grants and Recognitions***

2021	Aquacosm TA Grant
2015	COST-TS-ECOST Grant
2014	Aquaexcel TNA Grant
2009	WUS Individual Mobility Grant
2004	Norwegian Research Council Grant

## **TEACHING**

---

She teaches a diverse range of biological disciplines across all academic levels (BSc, MSc, and PhD), including Zoology, Biology, Environmental Protection, and Aquatic Ecology and Monitoring.

She is an author of several online courses for Bachelor, Master and PhD students on the e-learning platform (Moodle) of the Faculty of Agriculture, University of Belgrade. (<https://imoodle.agrif.bg.ac.rs/>). Her pedagogical approach integrates active teaching and learning (ATL) methodologies, employing a blended learning model that combines traditional classroom instruction with online engagement through Moodle.

## **MENTORSHIP**

---

She has supervised multiple M.Sc. students in Aquatic ecology and monitoring

## **UNIVERSITY SERVICE**

---

2007– Member of the Admission Committee for students

2017 – 2021 Member of the Ethical Committee

Member of committee for promotion of academic stuff.

Member of the board of examiners for several PhD thesis defense.

Reviewer for student textbook by Bojan Stojnić 2019. Agricultural Zoology. University of Belgrade, Faculty of Agriculture, Belgrade, 319p. ISBN 978-86-7834-334-6 (*in Serbian*)

## ACADEMIC SERVICE

---

### ***Reviewer for journals***

Aquaculture, Aquaculture International, Annales des Limnologie – International Journal of Limnology, Croatian Journal of Fisheries, Hydrobiologia, Journal of Plankton Research, Water Science and Technology, Journal of Applied Ichthyology, Chinese Journal of Oceanology and Limnology, Aquaculture Research, Estuarine, Coastal and Shelf Science, Journal of Coastal Research, Folia Zoologica, Environmental Science and Pollution Research, Biological Trace Element Research (**16 journals**)

### ***Member of committees***

Member of organizing / scientific committees at 10 international Conferences

### ***Reviewer for Conference abstracts***

Reviewer for submitted abstracts/papers for multiple international Conferences

### ***Guest lecturer***

2009 – 2010 Guest lecturer for the subject Freshwater Invertebrate communities as bioindicators at the University of Belgrade, Faculty of Biology

### ***Membership in academic societies***

Member of ASLO Association for the Sciences of Limnology and Oceanography

## COMMUNITY SERVICE

---

2023 – 2024 Monitoring water quality of Sava Lake (Belgrade)

2011 Lecture for primary school children „Zooplankton – small invertebrates that live in ponds“ at the Experimental School Estate “Radmilovac”.

2009 – 2014 Lecturer for accredited professional development programs of the Institution for Improvement of Education and child Upbringing of the Republic of Serbia for biology teachers employed in schools in the field of hydrobiology.

2007 First Science Festival in Serbia (Belgrade), promoting freshwater food webs

2007 Lecture for fishfarmers „Zooplankton as live feed for farmed fish“ at the Experimental School Estate “Radmilovac.”