

CURRICULUM VITAE

PERSONAL INFORMATION

First name / Surname: Božidar Rašković

Title: Prof. Dr.
Position: Full Professor

Address / Work: Nemanjina 6, Zemun
11080 Belgrade
Serbia

Telephone: / Work: +381 11 441 32 89
E-mail: raskovic@agrif.bg.ac.rs
Nationality: Serbian
Date of birth: 29 May 1979
Gender: Male
Orcid ID: <http://orcid.org/0000-0001-7190-5833>
ResearchGate: https://www.researchgate.net/profile/Bozidar_Raskovic

RESEARCH INTEREST AND EXPERTISE

Fish histology and histopathology
Fish ecotoxicology and toxicology
Light and electron microscopy
Aquaculture

EDUCATION

2013 (June 7th) • PhD degree in Biology of cells and tissues, University of Belgrade / Faculty of Biology, Serbia; Thesis title: "Liver, intestine, gills, and kidney histology of common carp (*Cyprinus carpio* L., 1758) reared in semi-intensive system: effects of different supplemental feeds"

2007-2013 • PhD studies in Biology of cells and tissues / University of Belgrade / Faculty of Biology, Serbia. Average grade: 10.00/10.00

1998-2005 • Graduated Biologist (5 years undergraduate studies – equivalent of MSc degree), Faculty of Biology / University of Belgrade, Serbia. Average grade: 9.06/10.00; Thesis title: "Gills histology of Common carp (*Cyprinus carpio* L., 1758) at the fish farm 'Vrsacki ritovi': indicator of water quality"

1994-1998 • High School Education: Sixth Belgrade Grammar School, Belgrade, Serbia

EMPLOYMENT HISTORY

Institute of Animal Science | Faculty of Agriculture | University of Belgrade | Belgrade | Serbia

2023-present • Full Professor
2018-2021, 2022-2023 • Associate Professor
2014-2018 • Assistant Professor
2010-2014 • Teaching Assistant
2008-2010 • Teaching Contributor

Laboratory of Histology and Embryology | Department of Microscopy | Institute of Biomedical Sciences Abel Salazar | University of Porto | Porto | Portugal

2021-2022 • Researcher

COURSES TAUGHT

Faculty of Agriculture | University of Belgrade

2016-present • PhD Studies

Molecular genetics and histology of domestic and reared animals, Ecology of domesticated and farmed animals, Embryology of fish, Monitoring of systems in aquaculture and protection of recipients

2016-present • Applied Studies

Reproduction of fish, Farming of invertebrates

2014-present • Master Studies

Animal histology, Reproduction of fish and other aquatic animals, Ecological farming of invertebrates, Biology and farming of invertebrates, Animal ecology and environmental protection

2008-present • Bachelor studies

Zoology, Environmental protection (water ecosystems), Earthworm and snail farming

RESEARCH PROJECTS

International projects

2023-2026 • Solving bottlenecks in eel reproduction to support sustainable aquaculture - EELSUPPORT (COST Action CA22163) - *Management Committee member*

2021-2022 • Warming Impacts on Estrogenic and Progestagenic Endocrine Disruptors Effects in Fish Liver - A Proof of Concept Study Using Single- and Novel Multi-Cell 3D Cultures of the European Native Brown Trout - SPHEROTOX (Horizon 2020; Marie Skłodowska-Curie Actions | Individual Fellowships 101038087) - *Leading Scientist*

2019-2020 • Effects of pesticides on fish and biofilter bacteria in aquaponics - PESTAPONICS (Horizon 2020; AquaExcel2020 Transnational Access project) - *Leading Scientist*

2016-2018 • Swimming of Fish and Implications for Migration and Aquaculture - FITFISH (Food and Agriculture COST Action FA1304) - *Management Committee member*

2013-2016 • Advancing research in agricultural and food sciences at Faculty of Agriculture, University of Belgrade - AREA (EU FP7-REGPOT-2012-2013-1) - *Participant*

2013-2014 • Bilateral project between Institute of Biomedical Sciences Abel Salazar (Porto, Portugal) and University of Belgrade, Faculty of Agriculture: “Applying cutting-edge stereological methods for evaluating the histology and histopathology of the liver of carp fed vegetable oils of different origin” - *Participant*

2008-2011 • Reinforcement of Sustainable Aquaculture (EU FP7-REGPOT-2007-3) - *Participant*

2007 • Water resources strategies and drought alleviations in Western Balkan agriculture (EU FP6 INCO-WB programme) - *Participant*

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 Aquaforsk, Institute of Aquaculture Research, As, Norway - *Participant*

National projects

2011-present • Improvement of production capacities of common carp (*Cyprinus carpio* L.) with nutrition and selection programs (TR 31075) - *Participant*

2008-2010 • Improvement of semi-intensive production of common carp (*Cyprinus carpio*) in sustainable aquaculture (TR 20047) - *Participant*

2007-2008 • Improvement of feeding technology of common carp (*Cyprinus caprio* L.) and rainbow trout (*Oncorhynchus mykiss* Wal.) in sustainable aquaculture (TR 006903) - *Participant*

OTHER PROJECTS

International projects

2017-2018 • Further capacity building in the area of plant protection products and pesticide residues (EU TWINNING SR-13-IB-AG-02) - *Participant*

2013-2016 • Building capacity of Serbian agricultural education to link with society - CaSa (EU TEMPUS-544072-2013) - *Participant*

PERSONAL TRAININGS

2021 (01/06 - 01/08) • University of Heidelberg, Centre for Organismal Studies (Heidelberg, Germany). Long-term exposure of zebrafish (*Danio rerio*) to environmentally relevant concentrations of flame retardant tetrabromobisphenol a and effects on histology of thyroid follicles and eyes. Supervisors: Prof. Dr. Thomas Braunbeck, Dr. Lisa Annie Baumann.

2018 (19/02 - 19/03) • University of Porto, Interdisciplinary Centre of Marine and Environmental Research (CIIMAR) (Porto, Portugal). Is swimming linked to oxidative stress in fish? Supervisor: Dr. Leonardo Julián Magnoni.

2017 (14/09 - 08/10) • University of South Bohemia in Ceske Budejovice, Faculty of Fisheries and Protection of Waters, Institute of Aquaculture and Protection of Waters (České Budějovice, Czech Republic). Effects of pesticides to biofilter bacteria and the level of ammonia in aquaponics systems. Supervisor: Dr. Hab. Jan Mráz.

2016 (07/09 - 14/10) • University of Antwerp, Department of Biology (Antwerp, Belgium). Physiology of common carp (*Cyprinus carpio* L.) swimming in low environmental concentration of ammonia. Supervisor: Prof. Dr. Gudrun De Boeck.

2014 (13/07 - 06/08 and 11/11 - 18/11) • University of Porto, Institute of Biomedical Sciences Abel Salazar (Porto, Portugal). Training in fish liver stereology. Supervisor: Prof. Dr. Eduardo Rocha.

2014 (10/03 - 31/05) • Friedrich-Schiller University, Institute of Physical Chemistry (Jena, Germany). Use of Raman spectroscopy in muscles in various fish species. Supervisor: Dr. Petra Rösch.

2010 (01/04 - 01/05) • Masaryk University, RECETOX Institute (Brno, Czech Republic). Advance use of toxicological assays in different model organisms. Supervisor: Prof. Dr. Luděk Bláha.

2009 (20/01 - 14/04) • University of Life Sciences, NOFIMA Institute (Ås, Norway). Use of light microscopy, immunohistochemistry and microarray to study dietary effects in Atlantic salmon. Supervisors: Prof. Dr. Mette Sørensen, Dr. Aleksey Krasnov and Dr. Jacob Torgersen.

2007 (08/11 - 21/11) • University of Life Sciences, AKVAFORSK Institute (Ås, Norway). Short intensive course in fish breeding and fish nutrition. Course leaders: Dr. Trygve Gjerdem, Prof. Dr. Mette Sørensen and Dr. Kari Kolstad.

2007 (01/12 - 31/12) • University of Innsbruck, Faculty of Biology (Innsbruck, Austria). Basics of cell culture: gills epithelial cells of rainbow trout. Supervisor: Prof. Dr. Rudolf Hofer.

OBTAINED GRANTS

2021 • SPHEROTOX, Leading scientist, Horizon 2020 | Marie Skłodowska-Curie Actions | Individual Fellowships

2021 • German Academic Exchange Service (DAAD) | Research Stays for University Academics and Scientists

2018 • PESTAPONICS, Leading scientist | AquaExcel2020 Transnational Access project

2018 • Short term scientific mission (STSM) | COST Action FA1304, FITFISH project

2017 • Short term scientific mission (STSM) | COST Action FA1305, The EU Aquaponics Hub project

2016 • Short term scientific mission (STSM) | COST Action FA1304, FITFISH project

2010 • Erasmus Mundus grant | JoinEUSee Project, Staff Mobility

2007-2008 • Ph.D. Scholarship provided by Serbian Ministry of Science

2007 • World University Service (WUS) grant | One-Month Visits to Austrian universities

ORGANISATION OF INTERNATIONAL CONFERENCES

2022 • SOFAS 2022 – International Symposium on Fisheries and Aquatic Sciences, 25-27 October, Trabzon, Turkey: member of Scientific Committee

2018 • Water & Fish Conference, 13-15 June, Belgrade, Serbia: Conference Secretary and member of Scientific Committee

2016 • HydroMediT - 2nd International Congress of Applied Ichthyology and Aquatic Environment, 10-12 November, Messolonghi, Greece: member of Scientific Committee

2016 • International Symposium on Animal Science, 24-25 November, Belgrade, Serbia: Conference Secretary

2015 • Water & Fish Conference, 10-12 June, Belgrade, Serbia: Conference Secretary

2013 • Water & Fish Conference, 12-14 June, Belgrade, Serbia: Conference Secretary

- 2011** • Aquaculture & Fishery Conference, 01-03 June, Belgrade, Serbia: Conference Secretary
2009 • Fishery Conference, 27-29 May, Belgrade, Serbia: member of Organising Committee
2007 • Fishery Conference, 01-03 February, Belgrade, Serbia: member of Organising Committee

SUPERVISING STUDENTS

PhD thesis

- Marinović, Z. (15/09/2021): Cyanobacterial blooming, presence of cyanotoxins and their effects on fish of several select freshwater ecosystems of Serbia and Hungary. PhD thesis, University of Novi Sad, Faculty of Sciences - *Member of the supervising committee*
- Nikolić, D.Z. (03/07/2020): Ecotoxicology and histopathology of European perch (*Perca fluviatilis*) from reservoirs in Serbia - *Member of the supervising committee*
- Jovičić, K.M. (06/12/2019): Distribution of different pollutants in tissues of five commercial fish species from the Danube River near Belgrade - *Member of the supervising committee*
- Stevanović, M.D. (19/07/2018): Effects of clomazone active substance and its formulated products on aquatic organisms. PhD thesis, University of Belgrade - Faculty of Agriculture - *Member of the supervising committee*
- Kostić-Vuković, J.M. (12/07/2018): Assessment of surface water quality based on microbiological parameters and ecogenotoxicological and histopathological analysis of common bream *Abramis brama* (L., 1758), white bream *Blicca bjoerkna* (L., 1758) and white-eye bream *Ballerus sapa* (P., 1814) tissues. PhD thesis, University of Belgrade - Faculty of Biology - *Member of the supervising committee*
- Ljubobratović, U.R. (29/12/2017): The effect of broodstock origin, stocking density and weaning strategies on the success of artificial reproduction, larviculture and juvenile on-grow of pikeperch (*Sander lucioperca* L., 1758). PhD thesis, University of Belgrade - Faculty of Agriculture - *Member of the supervising committee*
- Morina, A. (30/12/2016): Common barbel (*Barbus barbus*) as a bioindicator of river sediment pollution with metals. PhD thesis, University of Belgrade - Faculty of Biology - *Member of the supervising committee*

MSc thesis

- Curović T. (29/09/2023): The influence of pond, cage and RAS systems of brown bullhead culture on production results. University of Belgrade - Faculty of Agriculture - *Member of the supervising committee*
- Karne, M. (30/09/2021): Glyphosate residuals and their detection in surface and underground waters. University of Belgrade - Faculty of Agriculture - *Member of the supervising committee*
- Kuljanin, D. (09/09/2019): Ecotoxicological effects of herbicide terbuthylazine on common carp (*Cyprinus carpio* L.). University of Belgrade - Faculty of Agriculture - *Member of the supervising committee*
- Marjanović S. (01/09/2019): Use of diets with various protein levels in the common carp (*Cyprinus carpio* L., 1758) reared in semi-intensive system. University of Belgrade - Faculty of Agriculture - *Member of the supervising committee*
- Gačić, L. (14/12/2018): Application of *Artemia salina* ARC test for toxic effects of various substances. University of Belgrade - Faculty of Agriculture - *Member of the supervising committee*

BSc thesis

- Đurev, M. (10/06/2024): Metal accumulation and histopathological alterations in gills of the European chub from Ibar, Pek and Kruscica. University of Belgrade - Faculty of Agriculture - *Supervisor*
- Molerović, N. (12/09/2017): Genetic structure of the brown trout (*Salmo trutta*) from the fish farm "Braduljica". University of Belgrade - Faculty of Agriculture - *Supervisor*

EXTERNAL THESIS REVIEWER

- Furber, R.L. (2024): A study on the effects of Cadmium on the brain of *Oreochromis mossambicus*: A multifaceted approach. Master thesis, University of Johannesburg.
- Kowlaser, S. (2021): Hatching success, survival rate and growth of early life stages of the Mozambique tilapia (*Oreochromis mossambicus*) after chronic exposure (60 days) to the antiretroviral drug, efavirenz. Master thesis, University of Johannesburg.

Coetzee, H.J. (2018): The effect of organochlorine pesticides aldrin and methoxychlor on the health status of *Clarias gariepinus* by means of a histology-based approach. Master thesis, University of Johannesburg.

Nibamureke, M.C.U. (2015): Fish histopathology as a tool to assess the health status of freshwater fish species in the Albasini Dam, Limpopo Province, South Africa. Master thesis, University of Johannesburg.

Bester, B.M. (2014): An assessment of the health status and edibility of fish from three impoundments in the North West Province, South Africa. Master thesis, University of Johannesburg.

REVIEWING AND EDITORIAL EXPERIENCE

2023 - present • Associate Editor / Frontiers in Aquaculture

2021 • Co-Guest Editor / Applied Sciences / Special Issue on the Histopathology of Aquatic Animals

2018 - present • Section Editor / Turkish Journal of Fisheries and Aquatic Sciences

2012 - present • ad hoc reviewer / Chemosphere, Science of the Total Environment, Environmental Toxicology and Chemistry, Aquaculture, Marine Pollution Bulletin, Journal of Aquatic Animal Health, Environmental Toxicology and Pharmacology, Ecological Indicators, Environmental Science and Pollution Research, Animals, Micron, Ecotoxicology and Environmental Safety, Journal of Experimental Marine Biology and Ecology, Frontiers in Veterinary Sciences, Toxicological and Environmental Chemistry, Frontiers in Physiology, Aquaculture Research, Aquaculture International, Scientific Reports, African Journal of Aquatic Science, Plos One, Tissue and Cell, etc.

GENERAL PUBLIC EVENTS

2022 • Researcher's Night, 30 September, Braga, Portugal

2009 • Science Festival, 04-06 December, Belgrade, Serbia

2008 • Science Festival, 05-07 December, Belgrade, Serbia

INVITED LECTURES/TALKS

2022 • "Spheroids: in vitro 3D cell cultures of brown trout liver as a model for ecotoxicology research", 16th Multinational Congress on Microscopy, September 4th-9th, 2022, Brno, Czech Republic

2017 • School of Microscopy, 18-23 September, Petnica Science Center, Valjevo, Serbia

2015 • School of Microscopy, 21-26 September, Petnica Science Center, Valjevo, Serbia

2014 • School of Microscopy, 29 September-04 October, Petnica Science Center, Valjevo, Serbia

CITATIONS

Currently, my publications were cited 741 times, with h-index = 17 (according to Scopus/including self-citations/accessed on 05/12/2024) or 1536 times, with h-index = 21 (according to Google Scholar/including self-citations/accessed on 05/12/2024)

EXTERNAL CONTRACTS

2019-present • Serbian Ministry of Agriculture - external ecotoxicological assessor for risk assessment of plant protection products

OTHER

Career gaps 2006 • Mandatory army service - civil army (9 months)

Computer skills and competences

Excellent knowledge of Microsoft Office, Statistica, ImageJ, Adobe Photoshop and CorelDraw software. Experienced in HTML and web design.

Driving licence B

Marital status Married, one child

PUBLICATIONS

Peer-reviewed journal papers with impact factor (updated on 05/12/2024)

Total number of papers: 44

First author: 13

Last author: 6

Corresponding author: 11

LIST OF PUBLICATIONS

Selected publications in peer-reviewed journal papers with impact factor

2025

Ljubobratović, U., **Rašković, B.**, Horváth, Á., Fazekas, G., Markelić, M., Ristović, T., Nagy, Z., Stanivuk, J., Rocha, E., Bürgés, J., Milla, S. (2025): Effect of sex isolation on the reproduction of pikeperch (*Sander lucioperca* L.) submitted to the cycle shift from outdoor to fully controlled conditions. *Aquaculture*, 596: 741903.

2024

Rašković, B., Stanković, M., Markelić, M., Poleksić, V., Božić, G., Janković, S., Marković, Z. (2024): Growth, feed utilization, and quantitative histological assessment of the distal intestine and liver of common carp (*Cyprinus carpio* L.) fed formulated diets containing grains of different soybean cultivars. *Aquaculture International* 32: 6903-6921.

Nikolić D, Kostić J, Đorđević Aleksić J, Sunjog K, **Rašković B**, Poleksić V, Pavlović S, Borković-Mitić S, Dimitrijević M, Stanković M, Radotić K (2024) Effects of mining activities and municipal wastewaters on element accumulation and integrated biomarker responses of the European chub (*Squalius cephalus*). *Chemosphere* 365: 143385.

Radosavljević, V., Radanović, O., Glišić, D., Zdravković, N., Maksimović-Zorić, J., Nešić, K., Savić, B., **Rašković, B.** (2024): First case of ichthyophonosis in farmed rainbow trout *Oncorhynchus mykiss* in Serbia. *Diseases of Aquatic Organisms* 159: 91-97.

2023

Rašković, B., Poleksić, V., Vuković, G., Špirović Trifunović, B., Božić, G., Čupić Miladinović, D., Marković, Z., Brkić, D. (2023): Acute and Subchronic Exposure of the Common Carp (*Cyprinus carpio*) to Herbicide S-Metolachlor. *Water* 15: 4182.

Rašković, B., Poleksić, V., Jarić, I., Skorić, S., Topisirović, G., Stojnić, B. (2023): Accumulation of metal trace elements in different body parts of terrestrial Roman snail *Helix pomatia* L., 1758 on three polluted sites in Serbia. *Environmental Science and Pollution Research* 30: 21853-21862.

Kostić-Vuković, J., Kolarević, S., Sunjog, K., Subotić, S., Višnjić-Jeftić, Ž., **Rašković, B.**, Poleksić, V., Vuković-Gačić, B., Lenhardt, M. (2023): Combined use of biomarkers to assess the impact of untreated wastewater from the Danube River, Serbia. *Ecotoxicology* 32: 583-597.

Nikolić, D., Poleksić, V., Tasić, A., Smederevac-Lalić, M., Djikanović, V., **Rašković, B.** (2023): Two Age Groups of Adult Pikeperch (*Sander lucioperca*) as Bioindicators of Aquatic Pollution. *Sustainability* 15: 11321.

2022

Rašković, B., Gebauer, R., Folorunso, E.A., Božić, G., Velíšek, J., Dvořák, P., Bořík, A., Grabic, R., Mráz, J. (2022): Botanical and microbial insecticides application in aquaponics - is there a risk for biofilter bacteria and fish? *Frontiers in Marine Science*, 9: 1055560.

Nikolić, D., Poleksić, V., Skorić, S., Tasić, A., Stanojević, S., **Rašković, B.** (2022): The European Chub (*Squalius cephalus*) as an indicator of reservoirs pollution and human health risk assessment associated with its consumption. *Environmental Pollution*, 310: 119871.

2021

- Özgür, M.E., Erdoğan, S., **Rašković, B.**, Fazekas, G., Ljubobratović, U. (2021): Mid-autumn spermiation in outdoor-cultured pikeperch (*Sander lucioperca*) using different gonadoliberin application strategies. *Aquaculture Reports*, 21: 100891.
- Nikolić, D., Skorić, S., Poleksić, V., **Rašković, B.** (2021): Sex-specific elemental accumulation and histopathology of pikeperch (*Sander lucioperca*) from Garaši reservoir (Serbia) with human health risk assessment. *Environmental Science and Pollution Research*, 28: 53700-53711.
- Pillet, M., Castaldo, G., Rodgers, E.M., Poleksić, V., **Rašković, B.**, Bervoets, L., Blust, R., De Boeck, G. (2021): Physiological performance of common carp (*Cyprinus carpio*, L., 1758) exposed to a sublethal copper/zinc/cadmium mixture. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, 242: 108954.
- Rodgers, E.M., Opinion, A.G.R., Gomez Isaza, D.F., **Rašković, B.**, Poleksić, V., De Boeck, G. (2021): Double whammy: Nitrate pollution heightens susceptibility to both hypoxia and heat in a freshwater salmonid. *Science of the Total Environment*, 765: 142777.
- Rašković, B.**, Dvořák, P., Mráz, J. (2021): Effects of Biodegradable Insecticides on Biofilter Bacteria: Implications for Aquaponics. *Turkish Journal of Fisheries Aquatic Sciences*, 21: 169-177.
- Božić, G., **Rašković, B.**, Stanković, M., Poleksić, V., Marković, Z. (2021): Effects of different feeds on growth performance parameters, histology of liver, distal intestine, and erythrocytes morphology of common carp (*Cyprinus carpio* L.). *Biologia*, 76: 3769-3779.
- Kostić-Vuković, J., Kolarević, S., Kračun-Kolarević, M., Višnjić-Jeftić, Ž., **Rašković, B.**, Poleksić, V., Gačić, Z., Lenhardt, M., Vuković-Gačić, B. (2021): Temporal variation of biomarkers in common bream *Abramis brama* (L., 1758) exposed to untreated municipal wastewater in the Danube River in Belgrade, Serbia. *Environmental Monitoring and Assessment*, 193: 1-8.

2020

- Imentai, A., **Rašković, B.**, Steinbach, C., Rahimnejad, S., Yanes-Roca, C., Policar, T. (2020): Effects of first feeding regime on growth performance, survival rate and development of digestive system in pikeperch (*Sander lucioperca*) larvae. *Aquaculture*, 529: 735636.
- Delahaut, V., **Rašković, B.**, Satorres Salvado, M., Bervoets, L., Blust, R., De Boeck, G. (2020): Toxicity and bioaccumulation of Cadmium, Copper and Zinc in a direct comparison at equitoxic concentrations in common carp (*Cyprinus carpio*) juveniles. *PLoS ONE*, 15: e0220485.
- Nikolić, D., Skorić, S., **Rašković, B.**, Lenhardt, M., Krpo-Četković, J. (2020): Impact of reservoir properties on elemental accumulation and histopathology of European perch (*Perca fluviatilis*). *Chemosphere*, 244: 125503.

2019

- Rašković, B.**, Cruzeiro, C., Poleksić, V., Rocha, E. (2019): Estimating volumes from common carp hepatocytes using design-based stereology and examining correlations with profile areas: Revisiting a nutritional assay and unveiling guidelines to microscopists. *Microscopy Research and Technique*, 82: 861-871.
- Ljubobratović, U., **Rašković, B.**, Balogh, E., Lengyel, S., Kovács, G., Janurik, E., Poleksić, V., Rónyai, A. (2019): Gill histopathological indicators in pikeperch *Sander lucioperca* larvae reared in a flowthrough system: effect of clay-turbid water. *Aquaculture International*, 27: 1079-1091.
- Simonović, J., Toljić, B., **Rašković, B.**, Jovanović, V., Lazarević, M., Milošević, M., Nikolić, N., Panajotović, R., Milašin, J. (2019): Raman microspectroscopy: toward a better distinction and profiling of different populations of dental stem cells. *Croatian Medical Journal*, 60: 78-86.

2018

- Rašković, B.**, Poleksić, V., Skorić, S., Jovičić, K., Spasić, S., Hegediš, A., Vasić, N., Lenhardt, M. (2018): Effects of mine tailing and mixed contamination on metals, trace elements accumulation and histopathology of the chub (*Squalius cephalus*) tissues: Evidence from three differently contaminated sites in Serbia. *Ecotoxicology and Environmental Safety*, 153: 238-247.

Shrivastava, J., **Rašković, B.**, Blust, R., De Boeck, G. (2018): Exercise improves growth, alters physiological performance and gene expression in common carp (*Cyprinus carpio*). Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology, 226: 38-48.

2017

Kostić, J., Kolarević, S., Kračun-Kolarević, M., Aborgiba, M., Gačić, Z., Paunović, M., Višnjić-Jeftić, Ž., **Rašković, B.**, Poleksić, V., Lenhardt, M., Vuković-Gačić, B. (2017): The impact of multiple stressors on the biomarkers response in gills and liver of freshwater breams during different seasons. Science of the Total Environment, 601-602: 1670-1681.

2016

Rašković, B., Čičovački, S., Ćirić, M., Marković, Z., Poleksić, V. (2016): Integrative approach of histopathology and histomorphometry of common carp (*Cyprinus carpio* L.) organs as a marker of general fish health state in pond culture. Aquaculture Research, 47: 3455-3463.

Rašković, B., Heinke, R., Rösch, P., Popp, J. (2016): The potential of Raman spectroscopy for the classification of fish fillets. Food Analytical Methods, 9: 1301-1306.

Rašković, B., Ćirić, M., Koko, V., Stanković, M., Živić, I., Marković, Z., Poleksić, V. (2016): Effect of supplemental feeds on liver and intestine of common carp (*Cyprinus carpio*) in semi-intensive rearing system: histological implications. Biologia, 71: 212-219.

Matijašević, D., Pantić, M., **Rašković, B.**, Pavlović, V., Duvnjak, D., Sknepnek, A., Nikšić, M. (2016): The antibacterial activity and mechanisms of action of methanol extracts obtained from *Pleurotus ostreatus* and *Coriolus versicolor* mushrooms. Frontiers in Microbiology, 7: 1226.

Marković, Z., Stanković, M., **Rašković, B.**, Dulić, Z., Živić, I., Poleksić, V. (2016): Comparative analysis of using cereal grains and compound feed in semi-intensive common carp pond production. Aquaculture International, 24: 1699-1723.

2015

Rašković, B., Poleksić, V., Višnjić-Jeftić, Ž., Skorić, S., Gačić, Z., Djikanović, V., Jarić, I., Lenhardt, M. (2015): Use of histopathology and elemental accumulation in different organs of two benthophagous fish species as indicators of river pollution. Environmental Toxicology, 30: 1153-1161.

Brkić, D., Szakonyne-Pasics, I., Gašić, S., Teodorović, I., **Rašković, B.**, Brkić, N., Nešković, N. (2015): Subacute and subchronic toxicity of Avalon® mixture (bentazone+dicamba) to rats. Environmental Toxicology and Pharmacology, 39: 1057-1066.

Lujić, J., Matavulj, M., Poleksić, V., **Rašković, B.**, Marinović, Z., Kostić, D., Miljanović, B. (2015): Gill reaction to pollutants from the Tamiš River in three freshwater fish species, *Esox lucius* L. 1758, *Sander lucioperca* (L. 1758) and *Silurus glanis* L. 1758: a comparative study. Anatomia, Histologia, Embryologia, 44: 128-137.

Lenhardt, M., Poleksić, V., Vuković-Gačić, B., **Rašković, B.**, Sunjog, K., Kolarević, S., Jarić, I., Gačić, Z. (2015): Integrated use of different fish related parameters to assess the status of water bodies. Slovenian Veterinary Research, 52: 5-13.

2014

Poleksić, V., Stanković, M., Marković, Z., Relić, R., Lakić, N., Dulić, Z., **Rašković, B.** (2014): Morphological and physiological evaluation of common carp (*Cyprinus carpio* L., 1758) fed extruded compound feeds containing different fat levels. Aquaculture International, 22: 289-298.

Živić, I., Živić, M., Bjelanović, K., Spasić, M., **Rašković, B.**, Stanković, M., Marković, Z. (2014): Fatty acid profile in muscles of carp (*Cyprinus carpio* L.) raised in a semi-intensive production system fed with grains, pelleted and extruded feed. Archives of Biological Sciences, 66: 877-887.

2013

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2012

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