

## Curriculum Vitae

# Katarina G. Ćirković, junior researcher

Name and surname: Katarina G. Ćirković  
Date and place of birth: 13.06.1996., Kosovska Mitrovica, Serbia  
Adress: University of Kragujevac  
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### Education:

- **Elementary school:** „Raška“, Raška, Serbia, 2003. – 2011.
- **High school:** Gymnasium „Raška“, Raška, Serbia, 2011. – 2015.
- **BSc studies in Biology:** University of Kragujevac, Faculty of Science, Department of Biology and Ecology, 2015. – 2019.
- **MSc studies in Biology:** University of Kragujevac, Faculty of Science, Department of Biology and Ecology, 2019. – 2020. MSc thesis: “Oxidative stress induced by copper and the role of chelating agents as antioxidants”, defended 30.12.2020.
- **PhD studies in Biology:** University of Kragujevac, Faculty of Science, Department of Biology and Ecology, 2021. – Present
- **Languages:** English and Spanish

### Professional Career:

- **Junior Researcher:** University of Kragujevac, Faculty of Science, Department of Biology and Ecology, 27.04.2022. – Present

**Scientific field:** Microbiology

### Research Projects:

1. Project **BETAgro - New method of inactivation of sewage sludge using biocompatible 2,4-diketo esters and its potential use in agriculture** (Science Fund of the Republic of Serbia – Proof of Concept – Project leader: Dr Nenad Joksimović, Research associate, University of Kragujevac, Faculty of Science).
2. Project **INSECTECH - Production and application of chitosan from insect pests in biotechnology** (Centre for Scientific Research of Serbian Academy of Sciences and

Arts (SASA) and University of Kragujevac, Project Leader: Dr Filip Vukajlović, Assistant Professor, University of Kragujevac, Faculty of Science)

## References :

1. Radojević I., Jakovljević V., Grujić S., Ostojić A., **Ćirković K.** (2024). Biofilm formation by selected microbial strains isolated from wastewater and their consortia: mercury resistance and removal potential. *Research in Microbiology*, Mar-Apr; 175(3):104092. doi: 10.1016/j.resmic.2023.104092. (M22)
2. Radojević I.D., **Ćirković K.G.**, Grujović M.Ž., Mladenović K.G., Ostojić A.M. (2024). Characterization of bacterial isolates from tailings pond and their resistance to heavy metals and antibiotics. *Applied biochemistry and microbiology*, 60(2): 347-357. (M23)
3. **Ćirković K.G.**, Ostojić A.M., Đilas M., Radojević I.D. (2023). Assessing the impact of heavy metals and antibiotics on bacterial isolates from wastewater treatment plant. *Kragujevac Journal of Science*, 45: 207-218. doi: 10.5937/KgJSci2345207C. (M24)
4. Radojević I., Avdović E., Dimić D., Antonijević M., Vasić M., **Ćirković K.** (2024). Antimicrobial activity of hybrids of coumarin`s derivates with neurotransmitters. 2nd International symposium on biotechnology, 14-15 March 2024, Čačak, Republic of Serbia. (M33)
5. Radojević I.D., **Ćirković K.**, Grujović M.Ž., Mladenović K.G., Ostojić A. (2022). Characterization of bacterial isolates from tailings pond wastewater. FEMS Conference on Microbiology in association with Serbian Society of Microbiology, 30 June – 2 July 2022, Belgrade, Republic of Serbia (p. 529). (M34)
6. Radojević I., **Ćirković K.**, Ostojić A., Gavrilović G., Bogdanović I., Vasić M. (2024). Potencijal izabranih mikroorganizama u prečišćavanju otpadnih voda. 53. konferencija „Otpadne vode, komunalni čvrst otpad i opasan otpad“, 03-05. april 2024., Kragujevac, Republika Srbija. (M63)
7. Radojević I.D., Avdović E., Dimić D., Antonijević M., **Ćirković K.** (2023). Antimikrobna aktivnost hibrida kumarina sa neurotransmiterima. Prva konferencija Srpskog biološkog društva „Stevan Jakovljević“ Kragujevac, 20-22. septembar 2023, Kragujevac, Srbija (s. 86). (M64)
8. **Ćirković K.**, Ostojić A., Grujović M., Mladenović K., Đilas M., Radojević I.D. (2023). Izolacija, identifikacija i biohemijska karakterizacija mikroorganizama iz postrojenja za prečišćavanje komunalnih otpadnih voda. Prva konferencija Srpskog biološkog društva „Stevan Jakovljević“ Kragujevac, 20-22. septembar 2023, Kragujevac, Srbija (s. 87). (M64)

## Scholarships:

- Ministry of Education, Science and Technological Development of the Republic of Serbia 2016/17., 2017/18. and 2019/20. and the municipality of Raška 2018/19.

## Teaching subjects:

- Hygiene and Restoration and protection of aquatic ecosystems (MSc studies in Biology at the Faculty of Science in Kragujevac) – 2023.
- Biochemical and microbiological principles (BSc studies in Occupational safety at the Faculty of Mechanical and Civil Engineering in Kraljevo) – 2023 – Present.

## Participation in other activities:

- She was a member of the team that held free preparatory classes for elementary school students (April 2023)
- Promotion of Institute for Biology and Ecology at the Education and Scholarship Fair (October 5-6, 2023)
- She has participated in education of students and in preparation of master thesis, Faculty of Science, Kragujevac.