PERSONAL INFORMATION

Name and surname	Jovana Matić
Date and place of birth	27.05.1998. Kraljevo
Scientific title	Junior Research Assistant
E-mail	jovana.todorovic@pmf.kg.ac.rs
Educational-scientific / educational-artistic field	Natural sciences
University, Faculty, Organizational unit	University of Kragujevac, Institute for Information Technologies Kragujevac, Department of Natural and Mathematical Sciences
Research field and areas	Biology-Mycology

EDUCATION

BACHELOR

Year	2017-2021
Place	Kragujevac
Institution	University of Kragujevac, Faculty of Science, Institute of Biology and Ecology

MASTER STUDIES

Year	2021-2022
Place	Kragujevac
Institution	University of Kragujevac, Faculty of Science, Institute of Biology and Ecology

DOCTORAL DISSERTATION

Year	2022-
Place	Kragujevac

Institution	University of Kragujevac, Faculty of Science, Institute of Biology and Ecology
Title of doctoral dissertation	
Scientific title	Junior Research Assistant
Research area	Biology (Mycology)

PROFESSIONAL BIOGRAPHY – ELECTION IN RESEARCH OR SCIENTIFIC TITLE

Date	Institution	Scientific title
27.02.2023.	University of Kragujevac, Institute for Information Technologies	Junior Research Assistant

PROFESSIONAL BIOGRAPHY - TRAINING

Year	Institution	Duration

ENGAGEMENT IN THE FORMATION OF SCIENTIFIC PERSONNEL

PARTICIPATION IN NATIONAL PROJECTS FINANCED BY MINISTRY OF EDUCATION/MINISTRY OF SCIENCE AND TECHNOLOGICAL DEVELOPMENT/SCIENCE FUND OF THE REPUBLIC OF SERBIA:

PARTICIPATION IN INTERNATIONAL PROJECTS

MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL ASSOCIATIONS

ORGANIZATION OF NATIONAL/INTERNATIONAL SCIENTIFIC MEETINGS (CONFERENCES, CONGRESSES...)

LIST OF SCIENTIFIC PAPERS:

Monographs, Monographic studies, Thematic anthologies	**Sum**
Papers published in scientific journals of international scientific importance	**Sum 1**
1. **Todorović J,** Petrović N, Kosanić M (2023) Selected mushrooms as potential sources of antimicrobials and antioxidants. Kragujevac Journal of Science. 45:245-256; UDC 582.284:615.33:678.048(497.11); ISSN: 1450-9636. M24. doi: 10.5937/KgJSci2345245T	
Proceedings of international scientific conferences	**Sum 2**
1. **Todorović J**, Vesić A, Petrović N, Kosanić M (2023) Edible mushrooms as promising antioxidants. 2nd International Conference on Chemo and Bioinformatics ICCBIKG 2023, September 28-29, Kragujevac, Serbia, Book of Proceedings, pp 300-303. ISBN-978-86-82172-02-4. M33. doi: 10.46793/ICCBI23.300T 2. **Todorović J**, Vesić A, Petrović N, Kosanić M (2023) Antimicrobial potential of mushrooms *Macrolepiota procera* and *Chlorophyllum rhacodes*. 2nd International Conference on Chemo and Bioinformatics ICCBIKG 2023, September 28-29, Kragujevac, Serbia, Book of Proceedings, pp 304-307. ISBN-978-86-82172-02-4. M33. doi: 10.46793/ICCBI23.304T	
Proceedings of national scientific conferences	**Sum 2**
1. **Todorović J,** Petrović N, Simić Z, Kosanić M (2023) Sadržaj metala i bioaktivni potencijal autohtone makrogljive *Chroogomphus helveticus*. Prva	

konferencija srpskog biološkog društva “Stevan Jakovljević”, September 20-22, Kragujevac, Srbija, ISBN 978-86-905643-4-7. M64 2. Kosanić M, Petrović N, **Todorović J** (2023) Bioaktivnost acetonskog ekstrakta bazidiokarpa *Suillus granulatus*. Prva konferencija srpskog biološkog društva “Stevan Jakovljević”, September 20-22, Kragujevac, Srbija, ISBN 978-86-905643-4-7. M64

Monographs of national importance	**Sum**
Scientific papers in national journals	**Sum**
Technical solutions	**Sum**
Patents	**Sum**

CITATION OF SCIENTIFIC PAPERS

BRIEF DESCRIPTION OF RESEARCH IN THE PREVIOUS PERIOD

In the previous period, the focus of work in the Microbiology laboratory was on understanding the fundamental techniques used in fungi cell culture laboratory, as well as being familiar with the sterile working conditions in the laboratory. The research was based on treatments with mushroom extracts. Also, the antimicrobial and antioxidant activity of mushrooms were performed. As part of research in the previous period, she deals with the identification, content and quality of heavy metals in mushrooms.

BRIEF DESCRIPTION OF PLANNED RESEARCH IN THE NEXT PERIOD

In the following period, field trips are planned to collect new and interesting species of fungi and lichens for further investigation of their various biological activities. In the context of laboratory research, a detailed examination of the effects of fungi and lichens on plant, animal, and human pathogenic bacteria and fungi is planned, as well as their impact on various human malignant cell lines. Additionally, their anti-hyperglycemic, antioxidant, and anti-neurodegenerative effects will be tested. Screening for antimicrobial, antioxidant, cytotoxic, anti-neurodegenerative, and anti-hyperglycemic activities will provide insight into the potential use of fungi and lichens in the control and prevention of various diseases.