



Marina G. Dimitrijević

Contact: +381605210897

E-mail: marina.dimitrijevic@pmf.kg.ac.rs

About Me

Organic chemist and PhD student with 4 years of experience, specializing in organic synthesis, bioorganic and medicinal chemistry. Research focuses on the design and synthesis of heterocyclic compounds and their application as potential therapeutic agents.

Work Experience

2022 - 2024 Junior research assistant

University of Kragujevac, Faculty of Science, Department of Chemistry

2024- present Research assistant

University of Kragujevac, Faculty of Science, Department of Chemistry

- Scientific work - synthesis of heterocyclic compounds with a particular emphasis on developing small molecules as potential inhibitors of the enzyme dihydroorotate dehydrogenase (hDHODH).
- Involved in teaching Organic chemistry courses.
- Mentor in Regional Center for Talented Children Kragujevac

Education

Bachelor of Chemistry; Department for Research and Development

Faculty of Science; University of Kragujevac (Serbia)
2016-2020.

Master of Chemistry; Department for Research and Development

Faculty of Science; University of Kragujevac (Serbia)
2020-2021.

PhD Studies, Chemistry

Faculty of Sciences, University of Kragujevac (Serbia), Organic chemistry
2021- present

Publication

Research work has been published in two SCI-listed journals.

1. M.G. Dimitrijević, G.A. Bogdanović, S. Trifunović, M.D. Joksović, Rapid access to pyrrolo[3,4-c]quinoline-1,3-diones: An improved synthetic protocol using a precursor prepared by Pfitzinger reaction, Tetrahedron 132 (2023) 133236
2. M.G. Dimitrijević, C. Roschger, K. Lang, A. Zierer, M.G. Paunović, A. D. Obradović, M. M. Matic, M. Pocrnici, N. Galic, A. Cirić, M.D. Joksović, Discovery of a new class of potent pyrrolo[3,4-c]quinoline-1,3-diones based inhibitors of human dihydroorotate dehydrogenase: Synthesis, pharmacological and toxicological evaluation, Bioorganic chemistry 147 (2024) 107359

Skills

- Synthesis
- Spectroscopy
- Chromatography
- Pharmacological properties of compounds

Language

- English
- German

References

E-mail: m.joksovic@kg.ac.rs

Full professor Faculty of Science, University of Kragujevac

Milan Joksovic