



Mušković Martina

WORK EXPERIENCE

04/2019-ongoing

Assistant

Department of Biotechnology, Division of Medicinal Chemistry
University of Rijeka
Radmile Matejčić 2, 51000 Rijeka (Croatia)
Courses: Organic chemistry and Analytical chemistry

09/2018-04/2019

Science teacher

Elementary school Turnić, Franje Čandeka 20, 51000 Rijeka (Croatia)

01/2019- 03/2019

Chemistry and biology teacher

Elementary school Turnić, Franje Čandeka 20, 51000 Rijeka (Croatia)

11/2018-12/2018

Science and biology teacher

Elementary school Pećine, Šetalište 13. Divizije 25, 51000 Rijeka (Croatia)

12/2018

Laboratory practice demonstrator (Organic chemistry)

University of Rijeka, Department of biotechnology
Radmile Matejčić 2, 51000 Rijeka (Croatia)

12/2017

Laboratory practice demonstrator (Organic chemistry)

University of Rijeka, Department of biotechnology
Radmile Matječić 2, 51000 Rijeka (Croata)

06/2015

Laboratory practice in industry
Jadran Galenski laboratorij (JGL)
Svilno 20, 51 000 Rijeka (Croatia)

PUBLICATIONS

02/2018

M.Jelovica, P.Grbčić, **M.Mušković**, M. Sedić, S. Kraljević-Pavelić, M. Lončarić, N. Malatesti: In Vitro Photodynamic Activity of N-Methylated and N-Oxidised Tripyridyl Porphyrins with Long Alkyl Chains and Their Inhibitory Activity in Sphingolipid Metabolism, *ChemMedChem*

CONFERENCES AND SYMPOSIA

09/2019

EFMC-International Symposium on Advances in Synthetic and Medicinal chemistry (EFMC-ASMC), Athens, Greece
Organization: European Federation for Medicinal Chemistry
Passive participant (Martina Mušković)

09/2019

6th *EFMC-Young Medicinal Chemists Symposium (EFMC-YMCS)* in Athens, Greece
Organization: European Federation for Medicinal Chemistry
Poster presentation: "Photodynamic activity of free-base and Zn(II) complexes of N-methylated tetra- and tripyridylporphyrins"
Authors: Martina Mušković, Ivana Ratkaj, Nela Malatesti

04/2019

26th *Croatian meeting of Chemists and Chemical engineers (26th HSKIKI)* and 4th *Vladimir Prelog Symposium*, Šibenik (Solaris), Croatia
Organization: Croatian Chemical Society and Croatian Society of Chemist and Chemical Engineers
Poster presentation: „Photophysical and photochemical characteristics of free-base and Zn(II) complexes of N-methylated tetra- and tripyridylporphyrins"
Authors: Martina Mušković and Nela Malatesti, PhD

11/2018

2nd *Mini symposium of Young Medicinal Chemists in Croatia*, Zagreb, Fidelta, Croatia
Organization: Croatian Chemical Society

Oral presentation *“The singlet oxygen production and lipophilicity of N-methylated and N-oxidised pyridylporphyrins for photodynamic therapy”*

Authors: Martina Mušković, Andrija Lesar, Ivana Gobin, Martin Lončarić and Nela Malatesti

09/2018

2nd PhD Day (Doctoral programme Medicinal Chemistry), Rijeka, Department of Biotechnology

Organization: PhD Committee of Doctoral programme “Medicinal Chemistry”

Oral presentation *“The effect of singlet oxygen production and lipophilicity of the photosensitiser in photodynamic activity of N-methylated and N-oxidised pyridylporphyrins”*

09/2018

Authors: Martina Mušković and Nela Malatesti

5th EFMC-Young Medicinal Chemists Symposium (EFMC-YMCS) in Ljubljana, Slovenia

Organization: European Federation for Medicinal Chemistry

- winner of young medicinal chemists in Croatia

Oral presentation: *“The effect of singlet oxygen production and lipophilicity of the photosensitiser in photodynamic activity of N-methylated and N-oxidised pyridylporphyrins”*

Authors: Martina Mušković, Andrija Lesar, Ivana Gobin, Martin Lončarić and Nela Malatesti

Honours and awards

- **Erasmus scholarship** for Intership at University of Hull, England (2017.)
- **Scholarship from Croatian Chemical Society** for oral presentation on 5th EFMC-YMCS (European Federation of Medicinal Chemistry- Young Medicinal Chemists Symposium) (2018.)
- **IUPAC Scholarship** for participation on. 26th Croatian meeting of Chemists and Chemical engineers and 4th Vladimir Prelog Symposium, Šibenik, Solaris (Croatia) April 2019 (2019.)
- **Scholarship from Croatian Chemical Society** for participation on EFMC-ASMC (European Federation for Medicinal Chemistry- International Symposium on Advances in Synthetic and Medicinal Chemistry) and 6th EFMC-YMCS (EFMC- Young Medicinal Chemists Symposium)

ADDITIONAL INFORMATION

Mother tongue Croatian (Hrvatski)

Foreign languages

	Speaking	Writing	Understanding
English	B2	B2	B2
Italian	A1	A1	A2

Digital skills

Everyday use of MS Office- PowerPoint, Word, Excell, Forms
Basic use of molecular modelling programmes: AVOGADRO, MacMolPlt, GAMESS, Marvin, Kintek explorer, Torch, Spark etc.

Summer school(s)

06/2017-07/2017

Patofiziology and Public Health
collaboration with students from University of Saint Cloud, Minnessota
Supervisor: Dr Marina Četković Cvrlje

Popularization of science

01/2017-

DVD with chemistry experiments for final exam in Chemistry

- author and project leader
- collaboration with publishing house "Školska knjiga"

Vidematerials published in books:

Turčinović, D.; „Pokusi iz kemije za državnu maturu“ koje je Školska knjiga, d. d. iz Zagreba objavila u veljači 2018.

Lukić, S., Marić Zerdun, I., Trenčevska, N., Varga, M.: „Kemija 7“, udžbenik kemije za 7. razred osnovne škole

Luetić, M., Preočanin, T., Petrović Peroković, V., Rupčić Petelinc, S., Turčinović, D.: „Kemija 1“, udžbenik kemije za 1. razred gimnazije

04/2014-

Biotechnology for Rijeka

- cooperation in organisation of student competition "Tetragon" and organisation of „Otvorena vrata Odjela za biotehnologiju“ (Open days of Department of Biotechnology) University of Rijeka, Department of Biotechnology, Rijeka (Croatia)

