

Curriculum Vitae

PERSONAL INFORMATION

Maja Stipković Babić



date of birth: 23.03.1984.

place of birth: Rijeka, Croatia

e-mail: mstipkov@fkit.hr

phone no.: +385 1 4597 297 (257)

WORK EXPERIENCE

2009.–today

Scientific Novice/ Junior Assistant, Department of Organic Chemistry, Faculty of Chemical Engineering and Technology, University of Zagreb

EDUCATION

2008.–today

PhD study in Natural Sciences, Faculty of Chemical Engineering and Technology, University of Zagreb

2002.–2008.

MSc in Applied Chemistry, Faculty of Chemical Engineering and Technology, University of Zagreb

1998.–2002.

High School „First Croatian Gymnasium in Rijeka, Sušak“

ADDITIONAL INFORMATION

Awards

2003. - best 1st year student of 2002/03. (Faculty of Chemical Engineering and Technology Association, University of Zagreb).

2004. - best 2nd year student of 2003/04. (Faculty of Chemical Engineering and Technology Association, University of Zagreb).

2005. - Rector award for scientific work "*Synthesis of new acyclic and epoxide nucleoside analogues*", supervisor: prof. dr.sc. Mladen Mintas (University of Zagreb).

2005. - best 3rd year student of 2004/05. (Faculty of Chemical Engineering and Technology Association, University of Zagreb).

2006. - best 4th year student of 2005/06. (Faculty of Chemical Engineering and Technology Association, University of Zagreb).

Projects

2009.-2013. – collaborator on project „*Development of new antitumoral and antiviral prodrugs and drugs*” (no. 125-0982464-2922), financed by Ministry of Science, Education and Sport of the Republic of Croatia (project leader: prof. dr. sc. Mladen Mintas).

2013.-2014. - collaborator on project "*Development of new tracer molecules for positron emission tomography (PET)*" (no. 125-0982464-2925), financed by Ministry of Science, Education and Sport of the Republic of Croatia (project leader: prof. dr. sc. Silvana Raić-Malić).

2014.-today - collaborator on project „*Synthesis and cytostatic evaluations of novel nitrogen heterocycles library*” Croatia Science Foundation (project leader: prof. dr. sc. Silvana Raić-Malić).

Scientific papers

1.Wittine, K.; Stipković Babić, M.; Makuc, D.; Plavec, J.; Kraljević Pavelić, S.; Sedić, M.; Pavelić, K.; Leyssene, P.; Neytse, J.; Balzarini, J.; Mintas, M. Novel 1, 2, 4-Triazole and Imidazole Derivatives of L-Ascorbic and Imino-Ascorbic Acid: Synthesis, Anti-HCV and Antitumor Activity Evaluations.

	<p><i>Bioorg. Med. C.</i>; 20 (2012) 3675-3685.</p> <p>2. Wittine, K.; Stipković Babić, M.; Košutić, M.; Cetina, M.; Rissanen, K.; Kraljević Pavelić, S.; Tomljenović Paravić, A.; Sedić, M.; Pavelić, K.; Mintas, M.; The new 5- or 6-azapyrimidine and cyanuric acid derivatives of L-ascorbic acid bearing the free C-5 hydroxy or C-4 amino group at the ethylenic spacer: CD-spectral absolute configuration determination and biological activity evaluations. <i>E. J. Med. Chem.</i> 46 (2011) 2770-2785.</p>
National and international conferences (poster presentations)	<p>1. Stipković Babić, M.; Dud, M.; Mintas, M. Synthesis of halogenated derivatives of 3-deazapurine and L-ascorbic acid. <i>IX. Croatian Meeting of Young chemical engineers: New technologies & knowledge transfer</i> Zagreb, 2012 170-170.</p> <p>2. Stipković Babić, M.; Mintas, M.. Synthesis of halogenated 3-deazapurine and L-ascorbic acid derivatives. <i>ISMC 2012, XXIIInd International Symposium on Medicinal Chemistry</i> (Berlin) 2012 378-378.</p> <p>3. Wittine, K.; Stipković Babić, M.; Košutić, M.; Cetina, M.; Rissanen, K.; Kraljević Pavelić, S.; Tomljenović Paravić, A.; Sedić, M.; Pavelić, K.; Mintas, M. The new 5- or 6-azapyrimidine and cyanuric acid derivatives of L-ascorbic acid bearing the free C-5 hydroxy or C-4 amino group at the ethylenic spacer: CD-spectral absolute configuration determination and biological activity evaluations. <i>Abstracts of the International Symposium on Advances in Synthetic and Medicinal Chemistry</i> (St. Petersburg), 2011 262-262.</p> <p>4. Wittine, K.; Stipković Babić, M.; Košutić, M.; Mintas, M. Sinteza novih pirimidinskih derivata L-askorbinske kiseline radi ispitivanja citostatskih djelovanja. <i>XXII. Croatian meeting of chemists and chemical engineers</i> (Zagreb): HDKI/Kemija u industriji, 2011 217-217.</p> <p>5. Wittine, K.; Stipković Babić, M.; Kraljević Pavelić S.; Pavelić K.; Mintas M. Sinteza i ispitivanje citostatskih djelovanja pirimidinskih i purinskih derivata L-askorbinske kiseline // <i>Drugs of the Future</i> (Barcelona) Thomson Reuters, 2010 PC. 320.</p>
Professional training/ workshops	<p>„10th Slovenian-Croatian Waters Users' Meeting“, Bohinjska Bistrica 2013.</p> <p>„Macrocycles: synthesis, medicinal chemistry, and biological activity“, Fidelta, Zagreb 2014.</p> <p>„Molecular modeling Institute Ruđer Bošković, Zagreb 2014.</p>
Teaching	<p>Laboratory practices of courses:</p> <p>2009/10. – Organic chemistry 1, Organic chemistry 2.</p> <p>2010/11. - Organic chemistry 1, Organic chemistry 2, Chemical-Technology practice.</p> <p>2011/12. - Organic chemistry 1, Organic chemistry 2, Organic chemistry, Chemical-Technology practice, Organic chemistry in drug development.</p> <p>2012/13. – Organic chemistry, Organic chemistry in drug development, Environmental chemistry.</p> <p>2013/14. – Organic chemistry 1, Organic chemistry 2, Organic chemistry, Chemical-Technology practice, Chemistry of natural and synthetic polymers.</p> <p>Assistant supervisor of 3 Bachelor's degree works and 1 Final master work.</p>
Work on popularization of science	<p>Appearance on television show „Provjereno“ (show subject: <i>Hair dye</i>) on Croatian National Television (HRT).</p> <p>One of the leaders of workshops for public: “<i>Rainbow on the chemistry table</i>” and “<i>Fun and educational chemistry experiments</i>” in <i>Festival of science</i>, Zagreb 2014.</p>
Important skills and competences	<p>Field of work: organic and medicinal chemistry.</p> <p>Instrumentation experience: LC-MS/MS, HPLC, Flash chromatography, UV/Vis absorption spectrophotometer, CD spectrophotometer, microwave reactor for organic synthesis.</p> <p>Fluent in English.</p> <p>Familiar with Italian.</p> <p>Proficient in MS Office, ChemDraw, and OriginPro.</p>