

Dr. Ivan Damljanović

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ivandamljanovic@yahoo.com



Personal

Born on 05.08.1979 in Kragujevac, Serbia

-married, one child-daughter (16)

Research interest

My current research centers on [3+2] dipolar cycloadditions of azomethine species and synthesis of new ferrocene bioactive compounds along with examination of their properties.

Research experience

As a member of Professor Dr. Rastko Vukićević's group I was involved in three national research projects:

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|-------------------|--|
| 01/2005 – 12/2005 | Development of New Electrochemical and Chemical Methods of the Organic Synthesis |
| 01/2006 – 12/2010 | New Electrochemical and Chemical Methods in the Synthesis of Organic Molecules |
| 01/2011 – 01/2019 | New Electrochemical and Chemical Methods in Synthesis of Molecules Interesting for Medicine and Materials Chemistry. (In 2015, after retirement of Prof. R. Vukićević I became a project leader) |

Also as a member of the Serbian team I took place in international SCOPES project:

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|-------------------|---|
| 11/2009 – 02/2013 | Chiral Cations and Ligands with Tunable Properties for Asymmetric Synthesis and Catalysis |
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granted by Swiss National Science Foundation (Swiss coordinator Prof. Jerome Lacour, Department of Organic Chemistry, University of Genève; the leader of Serbian team Prof. R. Vukićević)

Techniques learned and utilized include general synthetic operations (microwave synthesis, Schlenk line operations, preparative chromatography), NMR spectroscopy, IR spectroscopy, cyclic voltammetry, preparative electrolysis, potentiostatic coulometry

Career

- 2005 – 2008 Junior Researcher, *Organic Chemistry*, University of Kragujevac, Serbia
- 2008 – 2013 Senior Researcher and Teaching Assistant, *Organic Chemistry*, University of Kragujevac, Serbia
- 2013 – 2019 Assistant Research Professor, *Organic Chemistry*, University of Kragujevac, Serbia
- 2019 – Assistant Professor, *Organic Chemistry and Chemistry Teaching*, University of Kragujevac, Serbia

Teaching experience

- 2019 – Teach *Organic chemistry 3* and *Modern Methods in Chemical Education*
- 2005 – Present **Teaching Assistant Faculty of Science, University of Kragujevac, Serbia**
 - Led several courses for graduates and undergraduates in the Chemistry and Pharmacy Department
 - Demonstrated and supervised experiments for students
 - Supervised several master thesis

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Education

10/2013 – 03/2014 Postdoctoral fellow at the Institute of Organic Chemistry, Faculty of Chemistry and Pharmacy, University of Regensburg, Germany (supervisor - Professor Dr. Burkhard König)

11/2012* **Phd in Organic Chemistry** University of Kragujevac, Serbia Supervised by Professor Rastko Vukićević

Thesis Title: Electrochemical Bromination of Estrogens and Protected Glycols

1998 – 2004 Dipl. Chemist for research and progress, University of Kragujevac, Serbia

*(During my PhD several programs of studies were introduced and I have to comply with the changes what delayed my defending of PhD thesis for almost four years)

Other skills

Language	English – fluent German – basic
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Representative Publications:

- 1 I. Damljanović, M. D. Vukićević, N. S. Radulović, R. M. Palić, E. Ellmerer, Z. R. Ratković, M. D. Joksović, R. D. Vukićević, *Bioorg. Med. Chem. Lett.*, 19 (2009) 1093.
- 2 I. Damljanović, M. Čolović, M. D. Vukićević, D. D. Manojlović, N. S. Radulović, K. Wurst, G. Laus, Z. R. Ratković, M. D. Joksović, R. D. Vukićević, *J. Organomet. Chem.*, 694 (2009) 1575.
- 3 I. Damljanović, M. D. Vukićević, D. D. Manojlović, N. Sojic, O. Buriez, R. D. Vukićević, *Electrochim. Acta*, 55 (2010) 965.
- 4 D. Ilić, I. Damljanović, M. Vukićević, V. Kahlenberg, G. Laus, N. S. Radulović, R. D. Vukićević, *Tetrahedron Lett.*, 53 (2012) 6018.
- 5 A. Pejović, M. Denić, D. Stevanović, I. Damljanović, M. Vukićević, K. Kostova, M. Tavlinova-Kirilova, P. Randjelović, N. Stojanović, G. A. Bogdanović, P. Blagojević, M. D'hooghe, N. Radulović, R. D. Vukićević, *Eur. J. Med. Chem.*, 83 (2014) 57.
- 6 I. Damljanović, D. Stevanović, A. Pejović, D. Ilić, M. Živković, J. Jovanović, M. Vukićević, G. A. Bogdanović, N. Radulović, R. D. Vukićević, *RSC Advances*, 4 (2014) 43792.
- 7 J. Jovanović, G. A. Bogdanović, I. Damljanović, *Synlett*, 28 (2017) 664.
- 8 J. P. Bugarinović, M. S. Pešić, A. Minić, J. Katanić, D. Ilić-Komatina, A. Pejović, V. Mihailović, D. Stevanović, B. Nastasijević, I. Damljanović, *J. Inorg. Biochem.*, 189 (2018) 134.
- 9 M. S. Pešić, J. P. Bugarinović, A. Minić, S. B. Novaković, G. A. Bogdanović, A. Todosijević, D. Stevanović, I. Damljanović, *Bioelectrochemistry* 132 (2020) 107412.
- 10 Damljanović Ivan, and Stevanović Dragana, Three-Membered Rings With Two Heteroatoms Including Phosphorus to Bismuth. In: Black, David StC, Cossy, Janine and Stevens, Christian V. Eds., **Comprehensive Heterocyclic Chemistry IV**; Vol. [1], Elsevier, 2022; pp. 660-682.