

VLADIMIR SAVIC

Employment Information:

- 2012 Professor, Department of Organic Chemistry, Faculty of Pharmacy, University of Belgrade, Serbia.
- 2007-2012 Associate Professor, Department of Organic Chemistry, Faculty of Pharmacy, University of Belgrade, Serbia.
- 2005-2007 Assistant Professor, Department of Organic Chemistry, Faculty of Pharmacy, University of Belgrade, Serbia.
- 2000-2005 Team Leader/Principal Scientist, BioFocus plc, Saffron Walden, England.

Education:

- 1991-1994 Ph.D. Chemistry (Organic chemistry), School of Chemistry, Leeds University, Leeds, England, Thesis title: *Chiral Catalysts and Cycloaddition Reactions of Azomethine Ylides*, Supervisor: Professor Ronald Grigg.
- 1987-1990 M.Sc. Chemistry (Organic chemistry), Faculty of Chemistry, University of Belgrade, Yugoslavia, Thesis title: *Cycloaddition Reactions of Azomethine Ylides*, Supervisor: Professor Ivan Juranic and Dr Suren Husinec.
- 1982-1986 B.Sc. Chemistry, 1st class (Organic chemistry), Faculty of Chemistry, University of Belgrade, Yugoslavia.

Training:

- 2007 (June-August) Royal Society funded researcher at Leeds University
- 1999-2000 Research Fellow, MIDAS Centre, School of Chemistry, Leeds University, Leeds, England.
- 1998 (June-September) Research Fellow, MIDAS Centre, School of Chemistry, Leeds University, Leeds, England.
- 1996-1997 Research Fellow, Molecular Innovation, Diversity and Automated Synthesis (MIDAS) Centre, School of Chemistry, Leeds University, Leeds, England.

Academic awards and distinctions:

- 2008 *Tetrahedron Asymmetry*: Most cited paper 2005-2008 award
- 2007 Royal Society funded study visit to Leeds University
- 1994 *J.B.Cohen Prize*, (for the best organic PhD thesis of the year) School of Chemistry, Leeds University, England.
- 1993 *E.Saxton Prize*, School of Chemistry, Leeds University, England
- 1991-1994 *Tetley and Lupton Scholarship*, Leeds University, England.

1991-1994 ORS Scholarship, England.

1986-1989 Scholarship of Serbian Science Foundation, Yugoslavia.

Teaching activities:

Organic Chemistry 2, Drug design and synthesis, Selected topics in organic chemistry (PhD)

Textbooks:

Stereohemija organskih jedinjenja Vladimir Savić, 2017, ISBN 978-86-6273-041-1
Publisher: University of Belgrade, Faculty of Pharmacy.

Praktikum iz organske hemije, Vladimir Savić, Milena Simić, Miloš Petković, Gordana Tasić, Predrag Jovanović, Zorana Tokić-Vujošević, Sanda Dilber; 4th supplemented edition, Belgrade 2017. ISBN 978-86-6273-042-8
Publisher: University of Belgrade, Faculty of Pharmacy.

Hemija heterocikličnih jedinjenja, Vladimir Savić, 2011, ISBN 978-86-80263-78-6
Publisher: University of Belgrade, Faculty of Pharmacy.

Activities within the Faculty:

2007-2009 Vicedean

2006 Head of Department of Organic Chemistry

Activities within wider Academic Community:

Member of Serbian Chemical Society and American Chemical Society. Reviewer for Journal of Organic Chemistry, Organic Letters, Chemical Communication, Tetrahedron journals, Journal of Serbian Chemical Society, Chemistry Select, ACS Omega

Projects:

- Computational Design, Synthesis and Biological Evaluation of New Heterocyclic Compounds as Selective Inhibitors of Tumorigenesis (2010-2019)
- Design and synthesis of Hsp90 PROTAC degraders as potential anticancer agents (St Jude Children Research Hospital)
- Next generation DNA encoded libraries platform (Totient)

Selected publications:

M. Simic, P.Jovanovic, M. Petkovic, G.Tasic, M. Jovanovic, V. Savic, Towards the Synthesis of Incargranine B and Seneciobipyrrolidine. Synthesis of octahydro-dipyrroloquinoline skeleton via dipolar cycloaddition/amination sequence; *Journal of Heterocyclic Chemistry*, **2021**, *58*, 1665-1674.

M. D: Jovanovic, M.R. Petkovic, V.M. Savic; Polycyclic Compounds from Allenes via Palladium –Mediated Intramolecular Carbopalladation/Nucleophilic Substitution Cascade; *Synthesis* 2021; *53*(06): 1035-1045

M. Jovanovic; M.Petkovic; P. Jovanovic; M. Simic; G. Tasic; S. Eric; Vl. Savic Proline derived bicyclic derivatives via metal catalysed cyclisations of allenens. Synthesis of longamide B, stylisine D and their derivatives, *Eur. J. Org. Chem.* **2020**, 295-305

P. Jovanovic; M.Petkovic; M. Simic; M. Jovanovic G. Tasic; M. Djordjic-Crnogorac, Z. Zizak; V. Savic, Stereocontrolled Synthesis of Highly Substituted trans alpha,beta-Unsaturated Ketones with Potent Anticancer Properties from Glycals *Eur. J. Org. Chem.* **2019**, 4701-4709

G. Tasic, M. Simic, S. Popovic, S. Husinec, V. Maslak, V. Savic Indirect N-vinylation of indoles via isomerisation of N-allyl derivatives. Synthesis of (±)-debromoarborescidine B *Tetrahedron Lett.* 2013, **54**, 4536-4539.

V. Savic Abyssomicins – Isolation, Properties and Synthesis *Stud. Nat. Prod. Chem.* 2013, **40**, 133-172.

J. Randjelovic, S. Eric, V. Savic Computational study and peptide inhibitors design 5 for the CDK9 – cyclin T1complex *J. Mol. Model.* 2013, **19**, 1711-1725

S. Husinec, M. Petkovic, V. Savic, M. Simic Synthesis of Allyl Acetates via Palladium Catalysed Functionalisation of Allenes and 1,3-Dienes *Synthesis*, 2012, 399-408.

S.Husinec, V.Savic, M.Simic, V.Tesevic, D.Vidovic Annulations of isoquinoline and carboline ring systems: synthesis of 8-oxoprotoberberine derivatives *Tetrahedron Lett.* 2011, **52**, 2733

S.Husinec, R.Markovic, M.Petkovic, V.Nasufovic, V.Savic A base promoted cyclisation of N-propargyl aminopyridines. Synthesis of imidazo[1,2-a]pyridine derivatives. *Org.Lett.* 2011, **13**, 2286.