

Dr Bojan Bondžić



Adresa: IHTM, Centar za hemiju, Studentski trg 12-16, 11000 Beograd

Laboratorija 531

Telefon: 011/3336-740

Elektronska pošta: bbondzic@chem.bg.ac.rs

Obrazovanje: 2000-2005 Diplomirani hemičar, Hemijski fakultet, Univerzitet u Beogradu.

2005-2008 Dr hemijskih nauka, Univerzitet u Dortmundu, Nemačka

2009-2011 Postdoktorske studije, Tokyo University of Science, Japan

2012-2013 Postdoktorski boravak, Univerzitet u Heidelbergu, Nemačka

2014 Max-Planck Institut fur Kohlenforschung, Milhajm, Nemačka

Zvanja: 2012- 20.. Naučni saradnik

Članstva u društvima: Srpsko hemijsko društvo

Profesionalno iskustvo: 2011– IHTM – Centar za hemiju,

Oblasti interesovanja: Organska hemija, kataliza, organokataliza, organometalna hemija, razvoj i metodologija novih hemijskih reakcija

Znanje jezika: Srpski (maternji), Engleski, Nemački

Najznačajniji projekti: Međunarodni: 2016- 2019, COST Action: CM15106 C-H activation in Organic synthesis (CHAOS)

Osnovna istraživanja: 2012-20.. Projekat 172020 Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije: *Eksperimentalna i teorijska proučavanja reaktivnosti i biološka aktivnost stereodefinisanih tiazolidina i sintetičkih analoga.*

Izabrane publikacije:

1. Bondžić, B. P. "Rh catalyzed multicomponent tandem and one-pot reactions under hydroformylation conditions" J. Mol. Cat. A: Chemical **2015**, 408, 310–334.
2. Stojanović, M., Džambaski, Z., Bondžić, B., Aleksić, J., Baranac-Stojanović M. "4-Oxothiazolidines with Exocyclic C=C Double Bond(s): Synthesis, Structure, Reactions and Biological Activity" *Curr. Org. Chem.* **2014**, 18, 1108-1148.
3. Džambaski, Z., Toljić, Đ., Bondžić, B., Marković, R., Baranac-Stojanović M. "Unusual mode of

reactivity of 2-alkylidene-4-oxothiazolidine S-oxides under the pummerer reaction conditions“ *Tetrahedron*, **2013**, 69, 9819-9825.

4. Bondžić, A. M., Lazarević-Pašti, T. D. Bondžić, B. P., Čolović, M. B., Jadranin, M. B. Vasić V. M. “Investigation of reaction between Quercetin and Au(III) in acidic media : Mechanism and indentification of reaction products“ *New J. Chem.*, **2013**, 37, 901-908.
5. Bondžić, B. P., Dzambaski, Z., Bondžić, A., Marković, R. “ π - annulation reactions of 4-thiazolidinone enamines in the synthesis of fused bi- and tri-cyclic compounds“ *Tetrahedron* **2012**, 68, 9556-9565.
6. Ishikawa, H., Bondžić, B. P., Hayashi, Y., " Synthesis of (–)-Oseltamivir by Using a Microreactor in the Curtius Rearrangement", *Eur. J. Org. Chem.* **2011**, 30, 6020-6031.
7. Krausova, Z.; Sehnal, P.; Bondžić, B. P.; Chercheja, S.; Eilbracht, P.; Stara, I. G.; Saman, D.; Sary, I.. "Helicene-Based Phosphite Ligands in Asymmetric Transition-Metal Catalysis: Exploring Rh-Catalyzed Hydroformylation and Ir-Catalyzed Allylic Amination", *Eur. J. Org. Chem.* **2011**, 20-21, 3849-3857.
8. Bondžić, B. P. Urushima, T., Ishikawa, H., Hayashi, Y., "Assymetric Epoxidation of α -Substituted Enals Using Diphenyl Prolinol catalyst", *Org. Lett.*, **2010**, 12, 5434-5437.
9. Bondžić, B. P., Eilbracht, P., "A Novel Access to Tetrahydro β -Carbolines via One-Pot Hydroformylation / Fischer Indole Synthesis: Rearrangement of 3,3- Spiroindoleninium Cations", *Org. Lett.*, **2008**, 10, 3433–3436.
10. Bondžić B. P., Farwick, A., Liebich, J., Eilbracht, P., "Application of Iridium Catalized Allylic Substitution Reactions in the Synthesis of Branched Triptamines and Homologues via Tandem Hydroformylation/Fischer Indole Synthesis", *Org. Biomol. Chem.* **2008**, 20, 3723-3731.

Highlighted in Synfacts, **2008**, 12, 1301.

11. Bondžić, B. P., Eilbracht, P., "Syntheses of Tetrahydro- β -Carbolines via Tandem Hydformylation / Pictet-Spengler Reaction, Scope and limitations", *Org. Biomol. Chem.* **2008**, 21, 4059-4063.