

Name: Nikola Topolovčan
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Education:

- 2013 – present PhD candidate, Charles University, Prague, Faculty of Science, Department of Organic Chemistry, Group of Catalysis in Organic Chemistry (Supervisor: Prof. RNDr. Martin Katora, CSc.)
- Sep – Dec 2015 Internship at Okayama University, Japan, Graduate School of Natural Science and Technology, Department of Chemistry, Laboratory of Functional Organic Chemistry (Supervisor: Prof. Yasushi Nishihara)
- Feb – Oct 2012 Internship at University of Vienna, Austria, Institute of Organic Chemistry, Mulzer Research Group, Master's thesis project: "**Synthesis of enolizable α -chiral aldehydes and determination of their chemical and configurational stability**" (Supervisor: Ass.-Prof. Dipl.-Chem. Dr. Harry Martin)
- 2007–2013 University of Zagreb, Faculty of Science, Division of Biology, Master of Education in Chemistry and Biology

Scholarships and Grants:

- 2007 Scholarship of Ministry of Science, Education and Sports, Republic of Croatia
- 2011, 2012 Scholarship of Ministry of Social Policy and Youth, Republic of Croatia
- 2011 Scholarship for ERASMUS Exchange Programme at the University of Vienna
- 2012 Scholarship for ERASMUS Placement Programme at the University of Vienna
- 2013 STARS PhD Scholarship, Faculty of Science, Charles University, Prague
- 2015 Grant of Charles University Grant Agency for the project "Development of a new approach for sesquiterpenoids synthesis"
- 2015 Charles University Mobility Fond Scholarship for short term studies
- 2015 Japan Student Services Organization (JASSO) Scholarship for short term studies

Publications:

- 1) Topolovčan, N.; Panov, I.; Kotora, M. *Eur. J. Org. Chem.* **2015**, 2868–2878. **Reaction of Bicyclic Zirconacyclopentenes with Aldehydes and a Potential Pathway to the Condensed 5–7–6(Ar) Ring Systems.**
- 2) Topolovčan, N.; Panov, I.; Kotora, M. *Synlett* **2016**, 27, 432–436. **Bisallylation of Zirconacyclopentenes and Ring-Closing Metathesis: a Route to 8-Membered Ring Compounds.**
- 3) Iwasaki M.; Topolovčan N.; Hu, H.; Nishimura, Y.; Gagnot, G.; Na nakorn, R.; Yuvacharaskul, R.; Nakajima, K.; Nishihara, Y. *Org. Lett.* **2016**, 18, 1642–1645. **Palladium–Catalyzed Regio– and Stereoselective Carbothiolation of Terminal Alkynes with Azolyl Sulfides.**
- 4) Topolovčan, N.; Panov, I.; Kotora, M. *Org. Lett.* **2016**, 18, 3634–3637. **Synthesis of 1,2–Disubstituted Cyclopentadienes from Alkynes Using a Catalytic Haloallylation/Cross–Coupling/Metathesis Relay.**
- 5) Humpl, M.; Tauchman, J.; Topolovčan, N.; Kretschmer, J.; Hessler, F.; Císařová, I.; Kotora, M.; Veselý, J. *J. Org. Chem.* **2016**, 81, 7692–7699. **Stereoselective Synthesis of Ezetimibe via Cross–Metathesis of Homoallyl alcohols and alpha–Methylidene–beta–Lactams.**
- 6) Araki, Y.; Topolovčan, N.; Kotora, M. *Eur. J. Org. Chem.* **2017**, 1736–1739. **Ru–catalyzed Cross–Metathesis of Allyl Acetate and Styrenes: a Practical Approach to Synthesis of Tripolinolate A and Its Analogs.**

Attended Conferences: OP – oral presentation, PP – poster presentation

- 1) XV International Seminar of PhD Students on Organometallic and Coordination Chemistry, Świeradów–Zdrój, Poland, April 5–9, 2014 (OP)
- 2) 22nd Conference on Isoprenoids, Prague, Czech Republic, September 7–10, 2014 (OP)
- 3) 49th Conference on Advances in Organic, Bioorganic and Pharmaceutical Chemistry, Lázně Bělohrad, Czech Republic, November 7–9, 2014 (PP)
- 4) XV. Mezioborové setkání mladých biologů, biochemiků a chemiků, Hotel Devět Skal, Milovy, Czech Republic, May 12–15, 2015 (OP)
- 5) Diskuse nad trendy v syntéze a katalýze 2015, Liblice, Czech Republic, May 25–27, 2015 (OP)
- 6) 13th International Kyoto Conference on New Aspects of Organic Chemistry (IKCOC-13), Rihga Hotel, Kyoto, Japan, November 9–13, 2015 (PP)
- 7) 5th Portuguese Young Chemists Meeting (5th PYCheM) and 1st European Young Chemists Meeting (1st EYCheM), Guimarães, Portugal, April 26–29, 2016 (OP)
- 8) Balticum Organicum Syntheticum (BOS), Riga, Latvia, July 3–6, 2016 (PP)
- 9) 48th Symposium on Catalysis, Prague, Czech Republic, November 7–9, 2016 (OP)
- 10) 15th Ferrocene Colloquium, Mainz, Germany, February 19–21, 2017 (OP)

- 11) 19th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis, OMCOS19, Jeju, South Korea, June 25–29, 2017 (PP)
- 12) 52nd Conference on Advances in Organic, Bioorganic and Pharmaceutical Chemistry, Lázně Bělohrad, Czech Republic, November 3–5, 2017 (PP)

Membership:

Member of Croatian Chemical Society