

RNDr. Iveta Tichá, Ph.D.

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Work Experiences and Traineeship

- 2019 – now
Regional Technological Institute, Metallographic Laboratory, University of West Bohemia, Pilsen, Czech Republic, position: **Senior Researcher**
✓ electron microscopy, EDS and EBSD analysis, in-situ tensile testing
- 2015 – 2019
Faculty of Science, Department of Organic Chemistry, Charles University, Prague, Czech Republic, position: **Ph.D. student - Researcher**
✓ synthesis of new chemical compounds for catalysis, NMR and MS analysis
- August 2017 – October 2017
CycloLab Research and Development Laboratory, Budapest, Hungary, position: **Erasmus internship trainee in organic laboratory**
✓ synthesis of new chemical compounds, separation techniques

Education and courses

- 2019 Institute of Scientific Instruments, Czech Academy of Science
Course in **electron microscopy**
- 2019 Faculty of Science, Charles University, Prague
RNDr degree in Natural Science
- 2014 – 2019 Faculty of Science, Charles University, Prague
PhD degree in Organic Chemistry
- 2012 – 2014 Faculty of Science, Charles University, Prague
Master degree in Organic Chemistry
- 2009 – 2012 Faculty of Science, University of South Bohemia in České Budějovice
Bachelor degree in Chemistry
- 2005 – 2009
Grammar School, Rokycany

Projects

- 2015 – 2018 **GAUK-277015**: Synthesis of organocatalysts based on cyclodextrins, Grant Agency of Charles University, **principal researcher**
- 2017 – 2019 **GJ17-22834Y**: Synthesis and screening of selective contrast compounds for tomography magnetic resonance, **researcher**
- 2015 – 2020 **LO1502**: Development of the Regional Technological Institute, Ministry of the Education of the Czech Republic, **researcher**
- 2019 – 2022 **ITI CZ.02.1.01/0.0/0.0/18_069/0010040**: Research of additive technologies for future application in mechanical engineering practice – RTI plus, Ministry of the Education of the Czech Republic, **key researcher**
- 2020 – 2022 **TJ04000265**: Optimization of properties of maraging steel with reverse austenite and TRIP effect, Technology Agency of the Czech Republic, **principal researcher**

Publications

1. Putaj, P.; Tichá, I.; Císařová, I.; Veselý, J. One-Pot Preparation of Chiral Carbacycles from Morita–Baylis–Hillman Carbonates by an Asymmetric Allylic Alkylation/Olefin Metathesis Sequence. *Eur. J. Org. Chem.* **2014**, *30*, 6615-6620.
2. Tichá, I.; Benkovics, G; Malanga, M.; Jindřich, J. Enhanced single-isomer separation and pseudoenantiomer resolution of new primary rim heterobifunctionalized α -cyclodextrin derivatives. *Beilstein J. Org. Chem.* **2018**, *14*, 2829-2837.
3. Tichá, I. C.; Hybelbauerová, S.; Jindřich, J. New α - and β -cyclodextrin derivatives with Cinchona alkaloids used in asymmetric organocatalytic reactions. *Beilstein J. Org. Chem.* **2019**, *15*, 830-839.