



KRISZTIÁN ALBITZ

EDUCATION

PhD. In Chemistry
2018 –

Eötvös Loránd University

**Pharmaceutical Engineer (MSc.)
„honors degree”**
2016 – 2018

Budapest University of
Technology and Economics

Chemist (BSc.)
2013 – 2016

Eötvös Loránd University

Chemical Industry Technician
2012 – 2013

Petrik Lajos Vocational High
School

EXPERIENCE

RCNS (now HUN-REN) Organocatalysis Research Group

Synthesis of strained Michael-acceptors.
Reactivity of strained dienophiles in inverse electron demand Diels-Alder reaction.
The synthesis of azetidine functionalized terpenoid derivatives.
Synthesis of polar prenyl isosteres with olefin cross-metathesis
Strained heterocycles as tools for terpenoid platform chemistry
Supervisor: Tibor Soós

ABOUT ME

A highly-motivated Ph.D. student specializing in synthetic organic chemistry from the academic field. I have more than 5 years of research experience in organic chemistry and organometallic chemistry fields. I am interested in methodology development, strained reactive molecules, and natural product synthesis.

HIGH SCHOOL COMPETITIONS

- 2012: **National Competition in Chemical Technologies** (Országos Műszaki Tanulmányi Verseny) (Szekszárd, Hungary)
National finals: **IV. place**
- 2011: **Capital Complex Vocational Study Competition** (Fővárosi Komplex Szakmai Tanulmányi Verseny) (Budapest, Hungary)
I. place; Best Practice Special Award; Best Projectwork Special Award
- 2011: **II. Petrik TISZK Student Conference** (Budapest, Hungary)
I. place; Audience Special Award
- 2010: **Irinyi János Chemistry Competition** (Miskolc, Hungary)
National finals: **II. place**

CONTACT

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PUBLICATIONS

- **K. Albitz**; D. Csókás; Z. Dobi; I. Pápai; T. Soós. Late-Stage Formal Double C-H Oxidation of Prenylated Molecules to Alkylidene Oxetanes and Azetidines by Strain-Enabled Cross-Metathesis. *Angew. Chem. Int. Ed.* **2023**, *62*, e202216879. IF: 16.823 (doi: 10.1002/anie.202216879)
- Oxetane as a modular Diversification Platform for the Synthesis of Trisubstituted Olefins (manuscript under preparation)

ORAL LECTURES / POSTERS

- **4TH Alpine Winter Conference on Medicinal and Synthetic Chemistry**, St. Anton, Austria, 2024. (Poster, English)
- **Working committee meeting in Heterocyclic and Organometallic Chemistry**, Budapest, Hungary, 2023. (Oral presentation, Hungarian) **Patonay Award**
- **Organic and Medicinal Chemistry Day**, Budapest, Hungary, 2023. (Oral presentation, Hungarian) **Audience Special Award**
- **17th Belgian Organic Synthesis Symposium**, Namur, Belgium, 2022. (Poster, English)
- **National Symposium on Heterocyclic and Organometallic Chemistry**, Balatonszemes, 2022. (Oral presentation, Hungarian)
- **National Symposium on Alkaloid and Flavonoid Chemistry**, Mátrafüred, Hungary, 2022. (Oral presentation, Hungarian)
- **Interdisciplinary Doctoral Conference**, Pécs, Hungary, 2021. (Poster, English)
- **Institutional Chemistry Symposium, Institute of Organic Chemistry**, Telki, 2020. (Oral presentation, Hungarian)
- **18th Blue Danube Symposium on Heterocyclic Chemistry**, Ljubljana, Slovenia, 2019. (Poster, English)
- **Young Researchers' International Conference on Chemistry and Chemical Engineering**, Budapest, Hungary, 2018. (Oral presentation, English)
- **National Symposium on Heterocyclic and Organometallic Chemistry**, Balatonszemes, 2018. (Oral presentation, Hungarian)

EDUCATIONAL EXPERIENCE

- 2018/2019: Environmental Technology Laboratory Practice
- 2019: Organic Chemistry Laboratory Practice supervision.
- Supervision of two BA and an MA dissertation works

SCIENCE PROMOTION

- Participation in the *Our life is Chemistry* video series as a core member (<https://www.youtube.com/watch?v=LZtV9kGPsp0&t=1s>)
- Participation in the organization of the *Researcher's Night* program (2014, 2015, 2019, 2021)

AWARDS

- Richter Gedeon Talentum Ph.D. Scholarship 2021
- Patonay Tamás Award 2023
- Audience Special Award on Organic and Medicinal Chemistry Day 2023

LANGUAGES

English (B2, complex)
Spanish (B1, complex)

SKILLS

- User level computer skills (Windows, MS Office, Adobe)
- Use of editing and analysis software (ChemBioDraw, MestReNova, Origin)
- User level management of instruments (Varian 500 and 300 MHz NMR; Shimadzu HPLC, HPLC-MS and GC-MS; SRS Optimelt automatic melting point measuring device; ISCO flash chromatograph; Anton Paar microwave reactor)
- Maintenance skills on Shimadzu GC-MS
- Category B driving license