

Andrea Czompa Dr, PhD

Personal Information:

Date and place of birth: 7 May, 1970; Szatmárnémeti

Citizenship: Hungarian

Languages: Hungarian, English, French, Italian

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Education:

- Chemistry-physics teacher and chemist-chemistry profession, Babes-Bolyai University, 1988-1993
- Ph.D. degree, Organic Chemistry, University of Debrecen, 2000.

Professional Experiences:

- 1996-2001 Research scientist, University of Debrecen, Department of Organic Chemistry
- 2001-2003, Scientific assistant, University of Debrecen, Department of Food Processing and Quality Testing
- 2003-2004, Assistant lecturer, University of Debrecen, Department of Organic Chemistry
- 2004- Assistant professor, Semmelweis University, Department of Organic Chemistry
 - teaching: practice and seminar (hungarian and english course)
 - scientific research-work: synthetic organic chemistry, structure-activity correlation
 - co-worker in Szentágothai Tudásközpont (NKTH), TÁMOP- and many other projects.

Teaching experience:

- University of Debrecen: 10 years experiences in teaching General and Organic Chemistry for students with different interests (pharmacist and chemist)
- Semmelweis Univeristy: 20 years experiences in teaching Organic chemistry for pharmacy students (MSc) and participation in post gradual education (language: hungarian and english).

Membership:

- Member of the Hungarian Chemical Society
- Committee of Organic and Biomolecular Chemistry
- Hungarian Academy of Sciences

Research Interests:

- Chemistry of 1,4-benzodioxane- and chromane-derivatives
- Studies of *Sylibin* and flavanolignans SAR
- *N*- and *S*-containing sugar mimics
- *Lipase* catalyzed kinetic resolution
- Synthetic chemistry of *O*-, *N*-, *S*-containing heterocycles
- Pyridazinone ethers *via* Mitsunobu reaction
- Glycine transporter-1 inhibitors: NFPS analogues
- Optical imaging and BAPTA-derivatives
- Antiarrhythmic compounds
- SSAO/VAP-1 inhibitors
- TRPA1 and V1 receptor antagonists
- SzV-1287 and metabolites
- Heterocyclic compounds *via* Suzuki reaction
- Studies on azo-coupling
- *N*-alkylation with propylene-carbonate
- Azo-coupling
- Sandmeyer reaction
- Sonogashira reaction

Publications:

- many original papers and presentations at National and International Scientific Meetings
- supervisor of hungarian (Budapest, Marosvásárhely) and italian students (from Cagliari, Catania, Milano, Palermo) diploma-work
- co-worker of university book and more posters.

Awards:

- Memorial leaf of Semmelweis University, Faculty of Pharmacy, on Semi-centennial conference – *Pharmacy: Smart Molecules for Therapy*, Hungarian Academy of Sciences, Budapest, 2005.
- Who is Who in Hungary, 8th Edition, page 348, 2010.
- Portrait film in Hungary Video Portrait Hall:
https://videoportre.hu/?field_nev_value=czompa+andrea

Budapest, 2025.09.01.