

Curriculum vitae

Dr. Gheorghe ROMAN

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Education

PhD (Organic Chemistry), Gheorghe Asachi Technical University, Iași, Romania, supervisor Prof. Eugenia Comaniță, 2001;

Postdoctoral training (Chemical Biology), Biotechnology Research Institute, Montreal Canada (Dr. Y. Konishi), 2002–2005;

Postdoctoral training (Medicinal Chemistry), Queen's University, Kingston, Canada (Prof. W. A. Szarek), 2005–2009.

Academic work experience

Assistant Professor (Organic Chemistry, Biochemistry, Chemical Technology, General Chemistry), Department of Chemistry, Transilvania University, Brașov, Romania, 1997–2001;

Lecturer (Organic Chemistry), Department of Chemistry, Transilvania University, Brașov, Romania, 2001–2006;

Research Associate, Department of Inorganic Polymers, Petru Poni Institute of Macromolecular Chemistry, Iași, Romania, 2011–present.

Research interests

- chemistry and applications of Mannich bases;
- chalcone analogs: chemistry and structure–biological activity relationship;
- coordination polymers;
- silicon-containing compounds;
- fluorophores for photoactive polymers.

Skills

Organic synthesis, NMR spectroscopy, structure–biological activity relationship.

Achievements

Over 60 publications in peer-reviewed journals (h-index 14).

Selected publications

1. G. Roman, Mannich bases in medicinal chemistry and drug design, *Eur. J. Med. Chem.* **89**, 743–816 (2014);

2. G. Roman, J.G. Riley, J.Z. Vlahakis, R.T. Kinobe, J.F. Brien, K Nakatsu, W.A. Szarek, Heme oxygenase inhibition by 2-oxy-substituted 1-(1*H*-imidazol-1-yl)-4-phenylbutanes: Effect of halogen substitution in the phenyl ring, *Bioorg. Med. Chem.* **15**, 3225–3234 (2007);
3. G. Roman, Selected Michael additions to thiophene-containing analogues of chalcone, *Rev. Roum. Chim.* **60**, 751–760 (2015);
4. I.-A. Dascălu, S. Shova, D.G. Dumitrescu, G. Roman, B.-I. Bratanovici, R. Ardeleanu, V. Lozan, Coordination polymers of Cu(II), Co(II) and Cd(II) based on a tetramethyl-substituted terphenyldicarboxylic acid, *Polyhedron*, **170**, 463–470 (2019);
5. A.L. Chibac, G. Roman, C. Cojocaru, S. Shova, G. Săcărescu, M. Simionescu, L. Săcărescu, Bichromophoric pyrazoline derivative with solvent-selective photoluminescence quenching, *J. Mol. Liq.* **278**, 156–163 (2019).