

**Team leader of P6 team: CS I Dr. Călin DELEANU**

**Positions:** **1990-present:** Principal scientist CSI, Head of Group of Biospectroscopy, “C.D. Nenitescu” Centre of Organic Chemistry (COC), Bucharest, Romania; **2009-2013:** Scientific Secretary, COC; **2000-2013:** Associate Professor (NMR spectroscopy), “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania; **2004-2005:** Senior Researcher (6 months “Poste Rouge” CNRS), Institut Européen des Membrane, Montpellier, France; **1990-2007:** Associate Professor (Organic Chemistry and Spectroscopy), “Politehnica” University Bucharest, Romania;

**Education:** **2001:** Ph.D. in Chemistry; **1988:** B.Sc., Dipl. Chem. Eng., “Politehnica” University Bucharest, Romania;

**Awards:** **2009:** “Costin D. Nenitescu” Medal and Honour Award of Romanian Chemical Society, “for exceptional merits in advancement of chemistry in Romania”.

**Expertise fields:** properties and structure elucidation of organic, organometallic and macromolecular compounds using NMR, IR and NIR techniques, organic synthesis, applications of NMR spectroscopy in medicine and food sciences;

**Research contracts:** **22 projects** as project director or coordinator (**19 national** and **3 international**)

**Scientific results** were published in 130+ (**110+ WoS**) scientific papers; **Hirsch factor** (WoS): **15**, **Number of citation\*** (WoS): **570+**; **8** books and chapters.

**International conferences:** **71** (**40** Invited Lectures; **31** Communications); **10 meeting abstracts WoS**

**Management expertise** as Scientific Secretary of the Centre of Organic Chemistry (2009-2013) and Director of the National NMR Laboratory (1997-2007); he organized six NMR laboratories (in the „Politehnica” University Bucharest, Centre of Organic Chemistry Bucharest and “Petru Poni” Institute of Macromolecular Chemistry Iasi).

**Scientific achievements** were centered on (i) structure elucidation of organic compounds by NMR spectroscopy (M. Kulcsar, **C. Deleanu** et. al, *Solid state structure and solution behaviour of organoselenium(II) compounds containing 2-{E(CH<sub>2</sub>CH<sub>2</sub>)(<sub>2</sub>)NCH<sub>2</sub>}C<sub>6</sub>H<sub>4</sub> groups (E = O, NMe), Dalton Trans. **2007**, 2187-2196 – **29** independent citations; C. Andronescu, **C. Deleanu** et. al., *Characterization and curing kinetics of new benzoxazine monomer based on aromatic diamines*, Thermochim. Acta **2012**, 530, 42-51 – **23** independent citations), (ii) organic synthesis (G.N. Zbancioc, **C. Deleanu** et. al, *Pyrrolidiazine derivatives as blue organic luminophores: synthesis and properties*, Tetrahedron **2010**, 66, 4298-4306 – **30** independent citations; R.A. Varga, C. Silvestru, **C. Deleanu**, *Synthesis, solution behaviour and X-ray structures of [2-(Me<sub>2</sub>NCH<sub>2</sub>)C<sub>6</sub>H<sub>4</sub>]SnCl<sub>3</sub> and [2-(Me<sub>2</sub>NCH<sub>2</sub>)C<sub>6</sub>H<sub>4</sub>]SnCl<sub>3</sub>-DMSO*, Appl. Organomet. Chem. **2005**, 19, 153-160 – **27** independent citations) and (iii) NMR metabolomics applied to life and food sciences (M. Musteata, A. Nicolescu, G. Solcan, **C. Deleanu**, *The <sup>1</sup>H NMR profile of healthy dog cerebrospinal fluid*, Plos One, **2013**, 3 (12), e81192 – **5** independent citations).*