

## PERSONAL INFORMATION

**Simona Nica (married Ion Simona), Ph.D.**


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🌐 Websites: <https://icoscdn.ro/index.php/en/research/metalla-supramolecular-assemblies-and-crystal-engineering>; ORCID: 0000-0001-5666-9043, Brainmap: U-1700-039V-0555, Researcher ID: B-4965-2012

Sex female | Date of birth 19/12/1976 | Nationality Romanian

**Employment**

2022-present: Scientific secretary and group leader of the “Metalla-supramolecular assemblies and crystal engineering” research laboratory

(<https://icoscdn.ro/index.php/en/research/metalla-supramolecular-assemblies-and-crystal-engineering>), “C. D. Nenitzescu” Institute of Organic and Supramolecular Chemistry, Romanian Academy

2018 - 2022: Senior researcher II, “C. D. Nenitzescu” Institute of Organic Chemistry, Romanian Academy

2006 - 2018: Senior researcher III, “C. D. Nenitzescu” Institute of Organic Chemistry Romanian Academy

2010 - 2013: PostDoc fellowship POSDRU, Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania, Topic: “Dendritic compounds with heterocycle-core and  $\pi$ -conjugated azulenyl termini”

2005 - 2006: Scientific researcher, Institute for Inorganic and Analytical Chemistry of the Friedrich Schiller University Jena, Germany

2001 - 2005: Ph. D. student, Siegen University and Friedrich-Schiller University Jena, Germany

2000 - 2001: Chemist at Research and Development Department, Biofarm S.A (pharma company)

**Education/Diplomas**

12/2001-09/2005 – *Dr. rer. nat.*, Ph. D in chemistry, Siegen University and Friedrich-Schiller University Jena, Germany; Topic of Thesis: *Bioinspired Model Complexes for Vanadium Haloperoxidases* (Professor Winfried Plass)

## Curriculum Vitae

1999-2001 - Master of Science in organic chemistry, University of Bucharest, Faculty of Chemistry; Thesis: *Synthesis and biochemical properties of new N-benzoyl-N'-aryl thioureas* (Professor Ovidiu Maior)

1995-1999 – Bachelor of Science - University of Bucharest, Faculty of Chemistry, chemistry; Thesis: *Synthesis and biochemical properties of 4-hydroxycoumarin and its derivatives* (Professor Ovidiu Maior)

### Research interests

organic synthesis: synthesis and physico-chemical characterization of  $\pi$ -conjugated azulene-systems, molecular photoswitches

crystal engineering: supramolecular organic synthesis of porous materials, self-assembling of electroactive organic building blocks; synthesis of organic cage and covalent organic frameworks

organic synthesis of fluorescent anion/cation recognition organic sensors

### Scientific achievements

- over 45 peer-reviewed articles, four of which were featured on the cover of prestigious journals—three in *CrystEngComm* (Royal Society of Chemistry) and one in *Crystal Growth & Design* (American Chemical Society)
- over 25 communications to international conferences (one plenary/keynote/ invited/oral presentations/posters)
- referee to high rank journals (peer review at <https://orcid.org/0000-0001-5666-9043>)
- member of the Romanian Chemical Society and secretary of the Bucharest, B3 branch
- member of seven research grants, two as partner director (PED and POC type projects) and one as project responsible (PNRR); beneficiary of a NATO reintegration grant; postdoc fellowship POSDRU

### Additional information

#### Awards

2018 - Merit diploma from the Romanian Chemical Society for contributions to the promotion of chemistry

2025 – “Gheorghe Spacu” Prize of the Romanian Academy

