

## CURRICULUM VITAE

### 1. Personal information

**Name, surname:** HĂDADE, Niculina Daniela (former name: BOGDAN)

**Date and place of birth:** 16 of December 1974, Buciumi, Sălaj

**Current position:** Associate Professor, Department of Chemistry, Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University of Cluj-Napoca.

**Address:** Faculty of Chemistry and Chemical Engineering, Supramolecular Organic and Organometallic Chemistry Centre, Babeş-Bolyai University of Cluj-Napoca, 11 Arany Janos Street, 400028-Cluj-Napoca, Romania.

**Phone, E-mail:** +40 (0) 264 593 833; int. 5661, [nbogdan@chem.ubbcluj.ro](mailto:nbogdan@chem.ubbcluj.ro).

### 2. Education

**2006–2010:** Post Doctorate, Marie Curie Excellence Team, Technical University of Munich, Germany.

**2002–2006:** Ph.D – joint between Babeş-Bolyai University (UBB) of Cluj-Napoca, Romania and University of Rouen, France.

**1997–1998:** MSc in Chemistry; Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University of Cluj-Napoca.

**1993–1997:** BSc in Chemistry - Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University of Cluj-Napoca.

### 3. Professional experience

**2014 –present:** Associate Professor at Babeş-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering. Main research activities in the area of organic supramolecular chemistry and dynamic combinatorial chemistry as well as synthesis and characterization of new redox-active organic compounds for energy storage devices.

**2013–2014:** Researcher (CSIII) at Babeş-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering. Research activities in the field of organic and supramolecular chemistry – synthesis and characterization of host molecules, self-assembly of organic ligands.

**2010–2013:** Researcher (Team Leader - project TE314/2010) at Babeş-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering. Research activities in the field of organic supramolecular chemistry – dynamic synthesis of selective receptors for various ions and neutral molecules.

**2006–2010:** Post Doctorate, Marie Curie Excellence Team, Technical University of Munich, Germany. Research activities in the field of bioorganic and supramolecular chemistry – design and synthesis of activity -based probes for various enzyme families, peptide synthesis, metal-ion induced self-assembly of organic ligands.

**2004–2006:** AUF scholarship, awarded by Agence Universitaire de la Francophonie. Research activities in the field of organic supramolecular chemistry –Synthesis and characterization of macrocycle derivatives and molecular devices.

**2003–2004:** MILC (Mobilite Internationale Liee aux Cooperations) scholarship, awarded by région Haute Normandie. Research activities in the field of organic supramolecular chemistry – synthesis and characterization of new cyclophanes.

**1999–2002:** Tutor/Professor assistant, Faculty of Medicine and Pharmacy, University of Oradea.

**1999 (5 months):** Chemist, European Drinks S.R.L., Rieni, Bihor county, Romania.

#### **4. Ten selected publications**

1. *Naphthalenediimide – A Unique Motif in Macrocyclic and Interlocked Supramolecular Structures* A. Diac, M. Matache, I. Grosu, N. D. Hădăde, *Adv. Synth. Catal.* **2018**, 360, 817–845. DOI: 10.1002/adsc.201701362. IF: 5.451.
2. *Occurrence of charge-assisted hydrogen bonding in bis-amidine complexes generating macrocycles* L. Pop, N. D. Hădăde, A. van der Lee, M. Barboiu, I. Grosu, Y.-M. Legrand *Cryst. Growth Des.* **2016**, 16, 3271–3278. DOI: 10.1021/acs.cgd.6b00246. IF: 4.153.
3. *Exclusive Hydrophobic Self-Assembly of Adaptive Solid-State Networks of Octasubstituted 9, 9'-Spirobifluorenes* L. Pop, F. Dumitru, N. D. Hădăde, Y.-M. Legrand, A. van der Lee, M. Barboiu, I. Grosu, *Org. Lett.* **2015**, 17, 3494–3497. DOI: 10.1021/acs.orglett.5b01576. IF: 6.555.
4. *Selective Host Molecules Obtained by Dynamic Adaptive Chemistry* M. Matache, E. Bogdan, N. D. Hădăde,\* *Chem. Eur. J.* **2014**, 20, 2106–2131, DOI: 10.1002/chem.201303504. IF: 5.160.
5. *Structure of Polydopamine: A Never-Ending Story?* J. Liebscher, R. Mrówczyński, H. A. Scheidt, C. Filip, N. D. Hădăde, R. Turcu, A. Bende, S. Beck *Langmuir* **2013**, 29, 10539–10548. DOI: 10.1021/la4020288. IF: 3.683.
6. *Luminogenic "clickable" lanthanide complexes for protein labeling* N. Candelon, N. D. Hădăde,\* M. Matache, J.-L. Canet, F. Cisnetti, D. P. Funeriu,\* L. Nauton, A. Gautier\* *Chem. Commun.* **2013**, 49, 9206–9208. DOI: 10.1039/c3cc44391d. IF: 6.164.
7. *Unexpected Formation of N-(1-(2-Aryl-hydrazono)isoindolin-2-yl)benzamides and Their Conversion into 1,2-(Bis-1,3,4-oxadiazol-2-yl)benzenes* C. C. Paraschivescu, M. Matache,\* C. Dobrotă, A. Nicolescu, C. Maxim, C. Deleanu, I. C. Fărcășanu, N. D. Hădăde\* *J. Org. Chem.* **2013**, 78, 2670–2679. DOI: 10.1021/jo400023z. IF: 4.805.
8. *A general solid phase method for the synthesis of sequence independent peptidyl-fluoromethyl ketones* G.-D. Roiban, M. Matache, N. D. Hădăde,\* D. P. Funeriu\* *Org. Biomol. Chem.* **2012**, 10, 4516–4523. DOI: 10.1039/c2ob25096a. IF: 3.564.
9. *Metal Ion Mediated Self-Assembly Directed Formation of Protein Arrays*. N. D. Bogdan, M. Matache, G.-D. Roiban, C. Dobrotă, V. M. Meier D. P. Funeriu *Biomacromolecules* **2011**, 12, 3400–3405. DOI: 10.1021/bm200833k. IF: 5.667.
10. *Protein-inorganic Arrays Construction: Design and Synthesis of the Building Blocks*. N. D. Bogdan, M. Matache, V. M. Meier, C. Dobrotă, I. Dumitru, G. D. Roiban, D. P. Funeriu *Chem. Eur. J.* **2010**, 16, 2170–2180. DOI: 10.1002/chem.200902649. IF: 5.160.

#### **5. Awards**

- Ad Astra Romanian Researchers Association Award for Excellence in Research, Physical and Chemical Sciences, 2014.
- "Costin D. Nenitescu" prize of the Romanian Academy for 2014.

#### **6. Other Academic Responsibilities**

- Member in the Organizing Committee of 2 scientific conferences: *Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCCE I)*, Cluj-Napoca, May 12 - 14, 2016, *Chemia Napocensis -100 "100 Years from the Founding of the School of Chemistry taught in Romanian in Cluj"* Cluj-Napoca, October 9-12, 2019.
- Member of the Romanian Chemical Society.
- Member of National Council of Scientific Research (CNCS) - consultative organism of the Ministry of Education and Research chemistry section - January 2011 - February 2012.
- Scientific reviewer for: *Organic Letters*, *Chirality*, *Chemistry*, *Current Organic Chemistry*, *Letters in Organic Chemistry*, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, *Mini-reviews in medicinal chemistry*, *Studia Univ. Babeş-Bolyai Chemia*, *Revue Roumaine de Chimie*, *Arabian Journal of Chemistry*.

Cluj-Napoca, March 2020

Dr. Niculina Daniela HADADE