

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.

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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

