



Niculina Daniela Hădăde (maiden name: Bogdan)

Address: 11 Arany Janos Street, 400028, Cluj-Napoca, Romania (Work)

WORK EXPERIENCE

 **BABEȘ-BOLYAI UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING – CLUJ-NAPOCA, ROMANIA**

PROFESSOR – 2024 – CURRENT

 **BABEȘ-BOLYAI UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING – CLUJ-NAPOCA, ROMANIA**

ASSOCIATE PROFESSOR – 2014 – 2024

 **BABEȘ-BOLYAI UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING – CLUJ-NAPOCA, ROMANIA**

RESEARCHER (CSIII) – 2013 – 2014

 **BABEȘ-BOLYAI UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING – CLUJ-NAPOCA, ROMANIA**

RESEARCHER (TEAM LEADER- PROJECT TE314/2010) – 2010 – 2013

 **BABEȘ-BOLYAI UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING – CLUJ-NAPOCA, ROMANIA**

POST DOCTORATE – 2006 – 2010

 **BABEȘ-BOLYAI UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING – CLUJ-NAPOCA, ROMANIA**

TUTOR/TEACHING ASSISTANT – 1999 – 2002

 **EUROPEAN DRINKS S.R.L. – RIENI, ROMANIA**

– 1999

EDUCATION AND TRAINING

2022 France

HABILITATION IN CHEMISTRY University Clermont-Auvergne

2002 – 2006 Rouen, France

DOCTOR OF PHILOSOPHY (PHD IN CHEMISTRY) joint between Babeș-Bolyai University (BBU, Romania) and University of Rouen (France)

1997 – 1998 Cluj-Napoca, Romania

MASTER IN CHEMISTRY Faculty of Chemistry and Chemical Engineering, Babeș-Bolyai University

1993 – 1997 Cluj-Napoca, Romania

BACHELOR OF CHEMISTRY Faculty of Chemistry and Chemical Engineering, Babeș-Bolyai University

TEACHING EXPERIENCE

2014 – 2024

Organic Compounds in Biological Systems - course and seminar, MSc

2023 – CURRENT

Stereochemistry of organic compounds - course and seminar, MSc

2017 – CURRENT

The structure-biological activity relationship - course and seminar, MSc

2017 – 2023

Organometallic compounds in organic synthesis - course and seminar, BSc

2014 – 2016

Organic Chemistry - laboratory and seminar, BSc

2014 – 2020

Organic Chemistry - Functional Groups - laboratory and seminar, BSc

2018 – 2020

Advanced Organic Chemistry - laboratory, MSc

● **MANAGERIAL EXPERIENCE**

2015 – 2017

Project Leader

Project PN-II-RU-TE-2014-4-0727 [Program: Research projects to stimulate the formation of young independent research teams (TE)], awarded by *National Council of Scientific Research (CNCS)*, Romania;

Title: *Dynamic synthesis of shape-persistent 3D-organic cages with large internal cavities*, **funded amount:** ~ 125.000 €.

2010 – 2013

Project Leader

Project TE314/2010 [Program: Research projects to stimulate the formation of young independent research teams (TE)], (2010-2013) awarded by *National Council of Scientific Research (CNCS)*, Romania;

Title: *Dynamic Constitutional Chemistry: Hydrogen Bonding and/or π -Stacking Directed Synthesis and Amplification of New Synthetic Receptors for Biologically Active Compounds*, **funded amount:** ~ 200.000 €.

2004 – 2005

Project Leader

Project TD14/2004 –Program: Research projects for PhD Students (TD)](2004-2005) awarded by *National Council of Scientific Research (CNCSIS)*, Romania;

Title: *Synthesis, structure and reactivity of new saturated six-membered heterocycles and macrocycles*, **funded amount:** ~ 2000 €.

● **PUBLICATIONS**

1. Synthesis of dynamic N-acylhydrazone-based macrocycles N. Sandu, A. Hanganu, C. Popescu, A. M Demeter, A. G Mirea, A. Kuncser, C. Tăbălet, N. D Hădade, M. Florea, D. P Funeriu, M. Matache, J. Mat. Chem. A, 2025, 13, 10232-10242.

2. Cyclic peptides: a powerful instrument for advancing biomedical nanotechnologies and drug development, P. C. Martian, M. Tertis, D. Leonte, N. Hadade, C. Cristea, O. Crisan, J. Pharm. Biomed. Anal., 2025, 252, ,116488.

3. Polymer coating by oxidative polymerization of a new dopamine analogue with two amino groups, A. Petran, C. Lar, D. Bogdan, A. Caspari, N. D. Hadade, A. Vulcu, A. Popa, F. Simon, Z.r Cordelia, J. Liebscher, Polymer, 2024, 312, 2 127630

4. Suzuki-Miyaura, sonogashira cross-coupling and cuaac reactions suite for the access to a large macrocycle with m, m'-terphenyl motif, E. Lakatos, N. D. Hădade, E. Bogdan, A. Terec, I. Grosu, Rev. Roum. Chim, 2024, 69, 255-262.

5. Pillar [n] arenes– adaptive artificial water/ion/proton channels in membranes S. Daakour, N. D. Hădade, M. Barboiu Tetrahedron Lett., 2024, 145, 155178.

6. Active-metal template clipping synthesis of novel [2] rotaxanes C. C. Anghel, T. A. Cucuiet, N. D. Hădăde,* Ion Grosu* Beilstein J. Org. Chem. 2023, 19, 1776–1784.

7. Planar Chiral p,p'-Terphenyl-Based Cyclophanes with Remarkable Enantiomer Stability: Synthesis, Theoretical Investigations, and Complexation Studies I. Stroia, M. E. Moisă, A. Pop, B. Legrand, A. Hanganu, N. D. Hădăde,* Ion Grosu* J. Org. Chem. 2023, 88, 15647–15657.

8. Efficient chemical synthesis of new thermoplastic fluorinated aromatic polyester A. Nan, T. Radu, X. Filip, I. Kacsó, N. D. Hădăde, F. Nekvapil, M. Miclăuș Polymer, 2023, 283, 126261.

9. Removal and degradation of sodium diclofenac via radical-based mechanisms using S. sclerotiorum laccase C. Coman, N. D. Hădăde, S. Pesek, R. Silaghi-Dumitrescu, A. C. Moț, J. Inorg. Biochem. 2023, 112400.

10. Synthetic approaches of epoxysuccinate chemical probes I. Nicolau, N. D. Hădăde, M. Matache, D. P. Funeriu ChemBioChem, 2023 e202300157.

11. Shifting emission of oxadiazoles via inter- or intramolecular hydrogen bonding C. C. Anghel, A. G. Mirea, C. C. Popescu, A. M. Mădălan, A. Hanganu, A. Bende, N. D. Hădăde*, M. Matache*, M. Andruh* Dyes and Pigments, 2023, 210, 111023.

12. A complex of cobalamin with an organic peroxide, M. Lehene, C. Zăgrean-Tuza, N. Hădăde, A. Aghion, R. Șeptelean, S. D. Iancu, A. M. V. Brânzanic, R. Silaghi-Dumitrescu New J. Chem., 2023, 47, 18178-18185.

13. Solid-Phase Peptide Synthesis – Evaluation of Resin Loading and Preparation of an Amide C-Terminal Dipeptide I. Nicolau, A. Paun, C. C. Popescu, N. D. Hădăde, M. Matache J. Chem. Educ. 2023, 100, 6, 2430–2434.

14. Novel Macrocycles Embedding p,p'-Terphenyl Units: Synthesis, Characterization, Single Crystal Xray Molecular Structures and Theoretical Investigations, I. Stroia, A. Pop, M. I. Nan, E. Bogdan, A. Terec, N. D. Hădăde,* I. Grosu,* Rev. Roum. Chim. 2022, 67, 233–239.

15. Macrocyclic Compounds Formed in the Reaction of 3,7-Bis(ortho-, meta- or para-formylphenyl)phenothiazines with meta-Bis(aminomethyl)benzene: Experimental and Theoretical Investigations I. Stroia, M. I. Nan, E. Bogdan, A. Terec, N. D. Hădăde,* Ion Grosu* Rev. Roum. Chim 2022, 67, 141-149.

16. Exploring Arylazo-3,5-Bis(trifluoromethyl)pyrazole Switches B. C. Enache, A. Hanganu, C. Tablet, C. C. Anghel, C. C. Popescu, A. Paun, N. D. Hădăde, A. M. Mădălan, M. Matache ACS Omega 2022, 7, 39122–39135.

17. Sonogashira Synthesis of New Porous Aromatic Framework-Entrapped Palladium Nanoparticles as Heterogeneous Catalysts for Suzuki–Miyaura Cross-Coupling L. Căta, N. Terenti, C. Cociug, N. D. Hădăde*, I. Grosu*, C. Bucur, B. Cojocar, V. I. Parvulescu*, M. Mazur, and J. Čejka* ACS Appl. Mater. Interfaces 2022, 14, 10428–10437.

18. Exploring the Optoelectronic Properties of D-A and A-D-A 2,2'-bi[3,2-b]thienothiophene Derivatives L. Gabrian, G.-I. Giurgi, I. Stroia, E. Bogdan, A. P. Crișan, N. D. Hădăde, I. Grosu, A. Terec Molecules 2022, 27, 8463.

19. Two are better than one - Synthesis of novel blue and green emissive hydroxy-oxadiazoles C. C. Anghel, C. Bădescu, A. G. Mirea, A. Păun, N. D. Hădăde, A. M. Mădălan, M. Matache, C. C. Popescu *Dyes and Pigments*, 2022, 109927.

20. Effect of the mode of fixation of the thienyl rings on the electronic properties of electron acceptors based on indacenodithiophene (IDT). N. Terenti, A. P. Crisan, S. Jungsuttiwong, N. D. Hădăde, A. Pop, I. Grosu, J. Roncali, *Dyes Pigments* 2021, 109116.

21. An attempt to synthesize a terthienyl-based analog of indacenedithiophene (IDT): unexpected synthesis of a naphtho[2,3-b]thiophene derivative. C. C. Anghel, I. Stroia, A. Pop, A. Bende, I. Grosu, N. D. Hădăde,* J. Roncali,* *RSC Adv.* 2021, 11, 9894–9900.

22. Halogen-Bonded Organic Frameworks of Perfluoroiodo- and Perfluorodiodobenzene with 2,2', 7,7'-Tetrapyridyl-9,9'-spirobifluorene. L. Pop, I. G. Grosu, M. Miclăuș, N. D. Hădăde, A. Pop, A. Bende, A. Terec, M. Bărboiu, I. Grosu, *Cryst. Growth Des.* 2021, 21, 1045–1054.

23. Halogen Bonds (N---I) at Work: Supramolecular Catemeric Architectures of 2,7-Dipyridylfluorene with ortho-, meta- or para-Diodotetrafluorobenzene Isomers. I. G. Grosu, L. Pop, M. Miclăuș, N. D. Hădăde, A. Terec, A. Bende, C. Socaci, M. Barboiu, I. Grosu, *Cryst. Growth Des.* 2020, 20, 3429–3441.

24. Yellow" laccase from *Sclerotinia sclerotiorum* is a blue laccase that enhances its substrate affinity by forming a reversible tyrosyl-product adduct. A. C. Mot, C. Coman, N. Hădăde, G. Damian, R. Silaghi-Dumitrescu, H. Heering, *PloS one* 2020, 15, e0225530.

25. Synthesis, Structure and Supramolecular Properties of a Novel C3 Cryptand with Pyridine Units in the Bridges C. V. Crișan, A. Soran, A. Bende, N. D. Hădăde, A. Terec, I. Grosu *Molecules* 2020, 25, 3789.

26. Excess Ascorbate is a Chemical Stress Agent against Proteins and Cells M. Lehene, E. Fischer-Fodor, F. Scurtu, N. D. Hădăde, E. Gal, A. C. Mot, A. Matei, R. Silaghi-Dumitrescu *Molecules* 2020, 27, 8463.

27. New Insights into Catechol Oxidation - Application of Ammonium Peroxydisulfate in the Presence of Arylhydrazines A. Petran, A. Popa, N. D. Hădăde, J. Liebscher *ChemistrySelect* 2020, 5, 9523.

28. Examination of Structure-Activity Relationship of New N-Acylhydrazones A. G. Coman, A. Paun, C. C. Popescu, N. D. Hădăde, A. Hanganu, A. M. Mădălan, M. Matache *Rev. Roum. Chim.* 2020, 65, 109-114.

29. A Straightforward Synthesis of Novel 1,3,5-Triazine-Based Macrocyclic Scaffolds *STUDIA UBB* C. V. Crișan, N. D. Hădăde, I. Grosu, A. P. Crișan, A. Terec, *Studia UBB Chemia*, 2020, LXV171-179.

30. Inverted versus Direct Structure Bulk Heterojunction Organic Solar Cells Involving a Triphenylamine-based Small Molecular Donor G.-I. Giurgi, L. Szolga, I. Kovacs, E. Bogdan, N. D. Hădăde, A. Terec, I. Grosu, J. Roncali, *Studia UBB Chemia*, 2020, LXV, 95-106.

31. A polycarboxylic chelating ligand for efficient resin purification of His-tagged proteins expressed in mammalian systems. C. C. Popescu, M. C. Stoian, L.-M. Cucos, A. G. Coman, A. Radoi, A. Paun, N. D. Hădăde, A. Gautier, C.-I. Popescu, M. Matache, *RSC Adv.* 2020, 10, 23931-23935.

32. Click Synthesis and Complexation Properties of a New Unsymmetrical Macrocyclic Bearing 1,4-Dioxabenzene and Triazole Units. T. A. Cucuiet, C. C. Anghel, E. Bogdan, A. Crişan, M. Matache, L. Pop, A. Terec, N. D. Hădade,* *Rev. Roum. Chim.*, 2020, 65, 567-572.

33. Selective Hydration of Electron-Rich Aryl-Alkynes by a Schrock-Type Molybdenum Alkylidene Catalyst. A. Crişan, A. Pop, E. Bogdan, M. Matache, L. Pop, A. Terec, I. Grosu,* N. Hădade,* *Rev. Roum. Chim.* 2020, 65, 699–705.

34. Structural diversity ranging from oligonuclear complexes to 1-D and 2-D coordination polymers generated by tetrasubstituted adamantane and spirobifluorene derivatives. T. Mocanu, L. Pop, N.D. Hădade, S. Shova, L. Sorace, I. Grosu, M. Andruh, *Eur. J. Inorg. Chem.* 2019, 5025–5038.

35. Spirobifluorene-based Porous Organic Polymers as Efficient Porous Supports for Pd and Pt for Selective Hydrogenation. M. M. Trandafir, L. Pop, N. D. Hădade, I. Hristea, C. M. Teodorescu, F. Krumeich J. A. Van Bokhoven, I. Grosu, V. I. Parvulescu, *ChemCatChem* 2019, 11, 538–549.

36. A novel adaptive fluorescent probe for cell labelling. A. G. Coman, A. Paun, C. C. Popescu, N. D. Hădade, A. Hanganu, G. Chiritoiu, I. C. Farcasanu, M. Matache, *Bioorg. Chem.* 2019, 92, 103295.

37. A novel profluorescent paramagnetic diaza-crown ether: synthesis, characterization and alkaline metal-ion complexation. A.G. Coman Coman, C. Stavarache, A. Păun, C.C. Popescu, N. D. Hădade, P. Ionita, M. Matache, *RSC Adv.* 2019, 9, 6078–6083.

38. Geländer macrocycles: Synthesis, chirality and racemisation barriers. C. Lar, M. E. Moisa, E. Bogdan, A. Terec, N. D. Hădade, I. Grosu, L. David, C. Paisz, I. G. Grosu *Tetrahedron Lett.* 2019, 60, 335–340.

39. Poly [3, 4-dihydroxybenzhydrazide]: A Polydopamine Analogue? A. Petran, N. D. Hădade, C. Filip, X. Filip, A. Bende, A. Popa, J. Liebscher, *Macromolec. Chem. Phys.* 2018, 219, 1700564.

40. A three-armed cryptand with triazine and pyridine units: synthesis, structure and complexation with polycyclic aromatic compounds. C. Lar, A. Woiczehowski-Pop, A. Bende, I. G. Grosu, N. Miklášová, E. Bogdan, N. D. Hădade, A. Terec, I. Grosu, *Beilstein J. Org. Chem.* 2018, 14, 1370–1377.

41. Conformational-induced light emission switching of N-acylhydrazone systems. A. G. Coman, A. Păun, C. C. Popescu, N. D. Hădade, C. C. Anghel, A. M. Mădălan, P. Ioniță, M. Matache, *New J. Chem.* 2018, 42, 14111–14119.

42. Naphthalenediimide – A Unique Motif in Macrocyclic and Interlocked Supramolecular Structures. A. Diac, M. Matache, I. Grosu. N. D. Hădade,* *Adv. Synth. Catal.* 2018, 360, 817–845.

43. “Click” access to multilayer functionalized Au surface: A terpyridine patterning example. F. A. Martin, D. Marconi, S. Neamtu, T. Radu, M. Florescu, R. Turcu, C. Lar, N. D. Hădade, I. Grosu, I. Turcu, *Mater. Sci. Eng. C Mater Biol Appl.* 2017, 75, 1343–1350.

44. Modulating short tryptophan-and arginine-rich peptides activity by substitution with histidine. M. Bacalum, L. Janosi, F. Zorila, A.-M. Tepeş, C. Ionescu, E. Bogdan, N. D. Hădade, L. Craciun, I. Grosu, I. Turcu, M. Radu, *Biochim. Biophys. Acta General Subjects* 2017, 1861, 1844–1854.

45. Synthesis of novel profluorescent nitroxides as dual luminescent-paramagnetic active probes. A. G Coman, C. C Paraschivescu, A. Paun, A. Diac, N. D Hădade, L. Jouffret, A. Gautier, M. Matache, P. Ionita, New J. Chem. 2017, 41, 7472–7480.

46. Poly (benzofuran-co-arylacetic acid)–a new type of highly functionalized polymers. A. Nan, A. Bunge, M. Cîrcu, A. Petran, N. D. Hădade, X. Filip, Polym. Chem. 2017, 8, 3504–3514.

47. Coordination polymers constructed from tetrahedral-shaped adamantane tectons. T. Mocanu, L. Pop, N. D. Hădade, S. Shova, I. Grosu, M. Andruh, CrystEngComm 2017, 19, 27–31.

48. Synthesis and ESI(+)-MS complexation studies of new 24- and 36-membered cyclic peptides. M. C. Pașcanu, E. Bogdan, A. Terec, I. Grosu, N. D. Hădade,* Rev. Roum. Chim. 2017, 62, 349–355.

49. 1, 3, 4-Oxadiazoles as luminescent materials for organic light emitting diodes via cross-coupling reactions. A. Paun, N. D. Hădade, C. C. Paraschivescu, M. Matache, J. Mat. Chem. C 2016, 4, 8596–8610.

50. An adamantane-based COF: stability, adsorption capability, and behaviour as a catalyst and support for Pd and Au for the hydrogenation of nitrostyrene. M. M. Trandafir, L. Pop, N. D. Hădade, M. Florea, F. Neațu, C. M. Teodorescu, B. Duraki, J. A van Bokhoven, I. Grosu, V. I. Pârvulescu, H. Garcia, Catal. Sci. Technol. 2016, 6, 8344–8354.

51. New Acyloxymethyl Ketones: Useful Probes for Cysteine Protease Profiling. A. G Coman, C. C Paraschivescu, N. D. Hădade, A. Juncu, O. Vlaicu, C. -I. Popescu, M. Matache, Synthesis 2016, 48, 3917–3923.

52. The 1, 3-dioxane motif—a useful tool in monitoring molecular and supramolecular architectures. E. Bogdan, N. D. Hădade, A. Terec, I. Grosu, Tetrahedron Lett. 2016, 57, 2683–2691.

53. Occurrence of charge-assisted hydrogen bonding in bis-amidine complexes generating macrocycles. L. Pop, N. D. Hădade, A. van der Lee, M. Barboiu, I. Grosu, Y.-M. Legrand, Cryst. Growth Des. 2016, 16, 3271–3278.

54. Supramolecular anion recognition by β -HCH. M. I Rednic, R. A. Varga, A. Bende, I. G. Grosu, M. Miclăuș, N. D. Hădade, A. Terec, E. Bogdan, I. Grosu, Chem. Commun. 2016, 52, 12322–12325.

55. Cryptands with 2, 4, 6-tris (p-phenylene)-1, 3, 5-triazine central units and oligoethylene-oxide bridges: synthesis, structure and complexation abilities. C. V. Crișan, A. Terec, N. D. Hădade, I. Grosu, Tetrahedron 2015, 71, 6888–6893.

56. CuAAC Synthesis of Tetragonal Building Blocks Decorated with Nucleobases. L. Pop, M. L. Golban, N. D. Hădade, C. Socaci, I. Grosu, Synthesis 2015, 47, 2799–2804.

57. Exclusive Hydrophobic Self-Assembly of Adaptive Solid-State Networks of Octasubstituted 9, 9'-Spirobifluorenes. L. Pop, F. Dumitru, N. D. Hădade, Y.-M. Legrand, A. van der Lee, M. Barboiu, I. Grosu, Org. Lett. 2015, 17, 3494–3497.

58. Podands with 3, 7, 10-trisubstituted phenothiazine units: synthesis and structural analysis. M. I. Rednic, S. Szima, E. Bogdan, N. D. Hădade, A. Terec, I. Grosu, Rev. Roum. Chim. 2015, 60, 637–642.

59. Symmetrical and non-symmetrical 2, 5-diaryl-1, 3, 4-oxadiazoles: synthesis and photophysical properties. C. C. Paraschivescu, N. D. Hădăde, A. G. Coman, A. Gautier, F. Cisnetti, M. Matache, *Tetrahedron Lett.* 2015, 56, 3961–3964.

60. Macrocycles embedding phenothiazine or similar nitrogen and/or sulphur containing heterocycles. M. I. Rednic, N. D. Hădăde, E. Bogdan, I. Grosu, J. Incl. Phenom. Macrocycl. Chem. 2015, 81, 263–293.

61. Novel Nucleobase-Decorated Tripodands: Synthesis and Supramolecular Properties. M. Golban, V. Pașcanu, N. D. Hădăde, L. Pop, C. Socaci, I. Grosu, *Synthesis* 2014, 46, 1229–1235.

62. Selective Host Molecules Obtained by Dynamic Adaptive Chemistry. M. Matache, E. Bogdan, N. D. Hădăde,* *Chem. Eur. J.* 2014, 20, 2106–2131.

63. Luminogenic "clickable" lanthanide complexes for protein labelling. N. Cadelon, N. D. Hădăde,* M. Matache, J.-L. Canet, F. Cisnetti, D. P. Funeriu,* L. Nauton, A. Gautier,* *Chem. Commun.* 2013, 49, 9206–9208.

64. Cryptands with 1,3,5-Tris(1',3'-dioxan-2'-yl)-benzene Units: Synthesis and Structural Investigations. M. Cîrcu, A. Soran, N. D. Hădăde, M. Rednic, A. Terec, I. Grosu, *J. Org. Chem.* 2013, 78, 8722–8729.

65. 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.

66. 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.

67. Macrocycles with a phenothiazine core: synthesis, structural analysis, and electronic properties. I. Medruț, R. Turdean, R. Gropeanu, F. Pop, L. Toupet, N. D. Hădăde, E. Bogdan, I. Grosu, *Tetrahedron Lett.* 2013, 54, 1107–1111.

68. 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.

69. Synthesis and structural analysis of some new arylbromide decorated azobenzene derivatives. I. Kocsis, N. Hădăde, I. Grosu, *Studia Univ. Babeș-Bolyai Chemia* 2012, LVII, 101–107.

70. Glycine fluoromethylketones as SENP specific activity based probes. C. Dobrotă, D. Fasci, N. D. Hădăde, G.-D. Roiban, C. Pop, V. M. Meier, I. Dumitru, M. Matache, G. S. Salvesen, D. P. Funeriu, *ChemBioChem* 2012, 13, 80–84.

71. 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.

72. Recent Developments in the Reactivity of the Biginelli Compounds. M. Matache, C. Dobrota, N. D. Bogdan,* D. P. Funeriu,* *Curr. Org. Synth.* 2011, 8, 356–373.

73. 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.

74. Synthesis of fused dihydro-pyrimido[4,3-d]coumarins using Biginelli multicomponent reaction as key step. M. Matache, C. Dobrota, N. D. Bogdan, I. Dumitru, L. L. Ruta, C. C. Paraschivescu, I. C. Fărcăsanu, I. Baci, D. P. Funeriu, Tetrahedron 2009, 65, 5949–5957.

75. [4.n]Cyclophanes. N. Bogdan, I. Grosu, Curr. Org. Chem. 2009, 502–531.

76. New [4.4]Cyclophanes: Molecular Parallelograms, Triangles, Rhombus, Pentagon and Supramolecular Constructions. N. Bogdan* E. Condamine, L. Toupet, Y. Ramondenc, E. Bogdan, I. Grosu,* J. Org. Chem. 2008, 73, 5831–5838.

77. Temperature induced rotation in a [4.4]cyclophane. N. Bogdan,* E. Condamine, L. Toupet, Y. Ramondenc, I. Silaghi-Dumitrescu, I. Grosu*, Tetrahedron Lett. 2008, 49, 5204–5207.

78. Synthesis and stereochemistry of some new spiro and polyspiro-1,3-dithiane derivatives. Ș. A. Gâz, E. Condamine, N. Bogdan, A. Terec, E. Bogdan, Y. Ramondenc, I. Grosu, Tetrahedron 2008, 64, 7295–7300.

79. New [4.4]Cyclophane Diketals, Monoketones and Diketones: Design, Synthesis and Structural Analysis. N. Bogdan,* I. Grosu, E. Condamine, L. Toupet, Y. Ramondenc, I. Silaghi-Dumitrescu, G. Plé, E. Bogdan Eur. J. Org. Chem. 2007, 4674–4687.

80. Molecular Rotors: Design, Synthesis, Structural Analysis and Silver Complex of New [7.7]Cyclophanes. N. Bogdan, I. Grosu, G. Benoît, L. Toupet, Y. Ramondenc, E. Condamine, I. Silaghi-Dumitrescu, G. Plé, Org. Lett. 2006, 8, 2619–2622.

81. Synthesis and Structural Analysis of Some New Precursors of Macrocyclic Cyclophanes: 1,4-Bis(2-R-5-R1-1,3-Dioxan-2-yl)benzene Derivatives. N. Bogdan, A. S. Gâz, F. Pop, E. Bogdan, A. Terec, L. David, I. Grosu, Stud. Univ. Babeș-Bolyai Chimia 2006, 51, 3–12.

82. Synthesis and Structural Analysis of Some New Precursors of Macrocyclic Cyclophanes: 1,4-Bis(2-R-5,5-dimethyl-1,3-Dioxan-2-yl)benzene. N. Bogdan, F. Pop, A. S. Gâz, E. Bogdan, A. Terec, L. David, I. Grosu Studia Univ. Babeș-Bolyai Chimia 2006, 51, 13–20.

83. Synthesis and stereochemistry of some new 1,3-oxathianes obtained from 1,4-dimercaptothreitol. L. Muntean, I. Grosu, D. Demeter, N. Bogdan, S. Mager, Studia Univ. Babeș-Bolyai Chimia, 2004, 49, 121–124.

84. Synthesis and Stereochemistry of Some New 2,4-Disubstituted-1,3-Dioxanes. A. Terec, L. Muntean, S. Tötös, N. Bogdan, C. Florian, S. Mager, I. Grosu, Studia Univ. Babeș-Bolyai Chimia 2002, 47, 187–193.

● HONOURS AND AWARDS

2022

“Costin Nenițescu - Rudolf Criegee Lecture Award”, German Chemical Society in the Romanian Academy

2014

"Costin D. Nenitescu" prize of the Romanian Academy

2014

Ad Astra Romanian Researchers Association Award for Excellence in Research, Physical and Chemical Sciences

● **RESEARCH SCHOLARSHIPS**

2004 – 2006

AUF scholarship, awarded by Agence Universitaire de la Francophonie

2003 – 2004

MILC (Mobilité Internationale Liée aux Coopérations) scholarship, awarded by région Haute Normandie

2003 – 2005

BD scholarship, awarded by CNCSIS (CNCSIS BD217)

Updated to 14.07.2025