

EUROPEAN
CURRICULUM VITAE
FORMAT



INFORMATII PERSONALE

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Data nasterii

EXPERIENTA PROFESIONALA

- Date (de la – la) Septembrie 2014 - în prezent
- Angajatorul (Instituția) Academia Română
- Funcția sau postul ocupat Membru Corespondent
- Principalele activități și responsabilități Cercetare și educație
- Date (de la – la) 1997 – în prezent
- Angajatorul (Instituția) Universitatea Babeș-Bolyai
- Funcția sau postul ocupat Profesor
- Principalele activități și responsabilități Cercetare și educație
- Date (de la – la) 01 Septembrie-31 Octombrie 2012
- Angajatorul (Instituția) Universitatea din Montpellier
- Funcția sau postul ocupat Profesor Invitat
- Principalele activități și responsabilități Cercetare și educație
- Date (de la – la) 01 Iulie 2009 – 15 Iulie 2009;
- Angajatorul (Instituția) Universitatea din Angers
- Funcția sau postul ocupat Profesor Invitat
- Principalele activități și responsabilități Cercetare și educație
- Date (de la – la) 01 Iulie 2008 – 15 Iulie 2008;
- Angajatorul (Instituția) Universitatea Humboldt din Berlin
- Funcția sau postul ocupat Profesor Invitat
- Principalele activități și responsabilități Cercetare și educație
- Date (de la – la) 01 August – 30 Septembrie 2006; 01 Septembrie-31 Octombrie 2001,
01 Septembrie-30 Noiembrie 1997
- Angajatorul (Instituția) Universitatea din Wuerzburg (burse DAAD)
- Funcția sau postul ocupat Cercetător invitat
- Principalele activități și responsabilități Cercetare
- Date (de la – la) Aprilie 2005 – August 2005; Aprilie 2004 – August 2004
- Angajatorul (Instituția) Universitatea din Rouen
- Funcția sau postul ocupat Profesor Invitat (post PAST; de două ori 4 luni)

- Principalele activități și responsabilități
 - Date (de la – la) Cercetare și educație
 - Angajatorul (Instituția) Februarie 2003 – August 2003; Ianuarie 2002 – Iulie 2002
- Funcția sau postul ocupat Universitatea din Rouen
- Principalele activități și responsabilități Profesor Invitat (de două ori 6 luni)
- Date (de la – la) Cercetare și educație
- Angajatorul (Instituția) Octombrie 1999 – Februarie 2000 (4 luni)
- Funcția sau postul ocupat Universitatea din Rouen
- Principalele activități și responsabilități Cercetător invitat
- Date (de la – la) Cercetare
- Angajatorul (Instituția) 1995 – 1997
- Funcția sau postul ocupat Universitatea Babeș-Bolyai
- Principalele activități și responsabilități Conferențiar
- Date (de la – la) Cercetare și educație
- Angajatorul (Instituția) Noiembrie 1994 – August 1995 (10 luni)
- Funcția sau postul ocupat Universidad Nacional Autonoma de Mexico, Mexico DF
- Principalele activități și responsabilități Cercetător invitat
- Date (de la – la) Cercetare
- Angajatorul (Instituția) 1990 – 1995
- Funcția sau postul ocupat Universitatea Babeș-Bolyai
- Principalele activități și responsabilități Lector
- Date (de la – la) Cercetare și educație
- Angajatorul (Instituția) 1980 – 1990
- Funcția sau postul ocupat Liceul de Informatică, Cluj
- Principalele activități și responsabilități Profesor de Chimie
- Educație

EDUCATION AND TRAINING

- Date (de la – la) 1990-1993
- Numele și tipul de organizație și nivelul de învățământ Universitatea Babeș-Bolyai
- Principalele subiecte Doctorat
- Diplomă sau calificare obținută Heterocicluri saturate
- Date (de la – la) Doctor în Chimie
- Numele și tipul de organizație și nivelul de învățământ 1979-1980
- Principalele subiecte Universitatea Babeș-Bolyai
- Diplomă sau calificare obținută Master
- Date (de la – la) Heterocicluri saturate
- Numele și tipul de organizație și nivelul de învățământ Master în Chimie Organică
- Principalele subiecte 1975-1979
- Diplomă sau calificare obținută Universitatea Babeș-Bolyai
- Date (de la – la) Licență
- Numele și tipul de organizație și nivelul de învățământ Chimie
- Principalele subiecte Licențiat în chimie
- Diplomă sau calificare obținută 1970-1974
- Numele și tipul de organizație și nivelul de învățământ Liceul Gh. Baritiu
- Principalele subiecte Liceu
- Diplomă sau calificare obținută Educație generală
- Bacalaureat

**APTITUDINI ȘI
COMPETENȚE.**

LIMBA MATERNĂ

ROMÂNĂ

ALTE LIMBI

	ÎNȚELEGERE		VORBIRE		SCRIERE
	ASCULTARE	CITIRE	CONVERSAȚIE	DISCURS	
Engleză	B2	B2	B2	B1	B1
Franceză	C1	C1	C1	C1	C1
Spaniolă	A1	A1	A1	A1	A1

ABILITĂȚI ORGAZATORICE
ȘI ALTE COMPETENȚE

DIRECTOR DE CENTRU DE CERCETARE DIN 2004, DIRECTOR LA NENUMARATE GRANTURI DE CERCETARE
NATIONALE SI INTERNATIONALE, CONDUCATOR DE DOCTORAT DIN 1999 (30 DE TEZE FINALIZATE SI
SUSTINUTE)

APTITUDINI TEHNICE

COMPUTER, OPERARE PE ECHIPAMENTE RMN SI MS

Permis de conducere

Categoria B

Factor Hirsch: 15; 124 publicații ISI, 741 de citări, Researcher ID: B-8088-2011

Premii: Premiul C. D. Nenițescu al Academiei Române pentru ciclul de lucrări
“Conformational Analysis of Saturated Heterocycles” (1994)

Codirector (cu prof. Cristian Silvestru) al Centrului de Chimie Supramoleculară Organică și
Organometalică (CCSOOM) și leader al Grupului de Chimie Organică și Supramoleculară,
parte a CCSOOM.

24 Ianuarie 2016,

Prof. Dr. Ion Grosu

Prof. Dr. ION GROSU

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Lista lucrărilor științifice publicate (2016-1979)

- 151.** Pop, L.; Hadade, N. D.; van der Lee, A.; Barboiu, M.; Grosu, I.; Legrand, Y.-M.
Occurrence of Charge-Assisted Hydrogen Bonding in Bis-amidine 2 Complexes Generating Macrocycles
Cryst. Growth Des., Article ASAP; **DOI:** 10.1021/acs.cgd.6b00246
- 150.** Kocsis, I., Rotaru, A., Legrand, Y.-M., Grosu, I., Barboiu, M
Supramolecular rulers enabling selective detection of pure short ssDNA via chiral self-assembly
Chem. Commun., **2016**, 52, 386-389
- 149.** Rednic, M.I., Szima, S., Bogdan, E., Hădade, N.D., Terec, A., Grosu, I.
Podands with 3,7,10-trisubstituted phenothiazine units: synthesis and structural analysis
Rev. Roum. Chim. **2015**, 60, 637-642
- 148.** Pop, L., Dumitru, F., Hădade, N.D., Legrand, Y.-M., Van der Lee, A., Barboiu, M.*, Grosu, I.*
Exclusive Hydrophobic Self-Assembly of Adaptive Solid-State Networks of Octasubstituted 9,9'-Spirobifluorenes
Org. Lett., **2015**, 17, 3494-3497
- 147.** Diac, A., Demeter, D., Jungstittiwong, S., Grosu, I., Roncali, J.
ADDA and ADADA systems based on triphenylamine as molecular donors for organic photovoltaics
Tetrahedron Lett., **2015**, 56, 4607-4612
- 146.** Pop, L., Golban, M.L., Hădade, N.D., Socaci, C., Grosu, I.*
CuAAC Synthesis of Tetragonal Building Blocks Decorated with Nucleobases
Synthesis, **2015**, 47, 2799-2804
- 145.** Crișan, C.V., Terec, A., Hădade, N.D., Grosu, I.*
Cryptands with 2,4,6-tris(p-phenylene)-1,3,5-triazine central units and oligoethyleneoxide bridges: Synthesis, structure and complexation abilities
Tetrahedron, **2015**, 71, 6888-6893
- 144.** Diac, A., Demeter, D., Allain, M., Grosu, I., Roncali, J.
Simple and versatile molecular donors for organic photovoltaics prepared by metal-free synthesis
Chem. Eur. J., **2015**, 21, 1598-1608
- 143.** Woiczehowski-Pop, A., Gligor, D., Bende, A., Varodi, C., Bogdan, E., Terec, A., Grosu, I.*
Synthesis, structure, electrochemical behaviour and electrochemical investigations on the assembling with pyrene of a novel C₃ cryptand

Supramol. Chem., **2015**, *27*, 52-58

142. Rednic, M. I.; Hädade, N. D.; Bogdan, E.; Grosu, I*
Macrocycles embedding phenothiazine or similar nitrogen and/or sulphur containing heterocycles
J. Incl. Phenom. Macrocycl. Chem., **2015**, *81*, 263-293

141. Petran, A.; Terec, A.; Bogdan, E.; Soran, A.; Lakatos, E.; Grosu, I.
Thiophene-based macrocycles via the Suzuki-Miyaura cross coupling reaction
Tetrahedron, **2014**, *70*, 6803-6809

140. Demeter, D., Mohamed, S., Diac, A., Grosu, I., Roncali, J.
Small molecular donors for organic solar cells obtained by simple and clean synthesis
ChemSusChem, **2014**, *7*, 1046-1050

139. Kocsis, I., Dumitrescu, D., Legrand, Y.-M., Van Der Lee, A., Grosu, I., Barboiu, M.
Self-sorting of dynamic metallocupramolecular libraries (DMLs) via metal-driven selection
Chem. Commun., **2014**, *50*, 2621-2623.

138. Golban, M. L., Pascanu, V. Hädade, N. D., Pop, L., Socaci, C., Grosu, I.
Novel nucleobase-decorated tripodands: Synthesis and supramolecular properties
Synthesis, **2014**, 1229-1235.

137. Țințaș, M. L., Diac, A. P., Soran, A., Terec, A., Grosu, I., Bogdan, E.
Structural characterization of new 2-aryl-5-phenyl-1,3,4-oxadiazin-6-ones and their N-arylohydrazone precursors
J. Mol. Struct., **2014**, *1058*, 106-113.

136. Pascanu, V.; Circu, M.; Socaci, C.; Terec, A.; Soran, A.; Grosu, I.;
Synthesis of cryptands with di-yne units via acetylenic homocoupling reactions of C-3 tripodands
Tetrahedron Lett., **2013**, *54*, 6133-6136.

135. Circu, M.; Soran, A.; Hadade, N. D.; Rednic, M.; Terec, A.; Grosu, I.;
Cryptands with 1,3,5-tris(1',3'-dioxan-2'-yl)-benzene units: synthesis and structural investigations
J. Org. Chem., **2013**, *78*, 8722-8729.

134. Medrut, I.; Turdean, R.; Gropeanu, R.; Pop, F.; Toupet, L.; Hädade, N. D.; Bogdan, E.; Grosu, I.;
Macrocycles with a phenothiazine core: synthesis, structural analysis, and electronic properties.
Tetrahedron Lett., **2013**, *54*, 1107-1111.

133. Demeter, D.; Lar, C.; Roncali, J.; Grosu, I.
Macrocycles with bithiophene units: synthesis, structure, and electrochemical properties.
Tetrahedron Lett., **2013**, *54*, 1460-1462.

131. Pop, F.; Socaci, C.; Terec, A.; Condamine, E.; Varga, R. A.; Raț, C. I.; Roncali, J.; Grosu, I.,
Cryptands and bismacrocycles with cyanuric and isocyanuric units: synthesis and structural investigations.
Tetrahedron, **2012**, *68*, 8581-8588.

130. Woiczehowski-Pop, A.; Dobra, I. L.; Roiban, G. D.; Terec, A.; Grosu, I.
Synthesis and Structural Analysis of some Podands with C-3 Symmetry.
Synth. Commun., **2012**, *42*, 3579-3588.

129. Kocsis, I.; Hădăde, N. D.; Grosu, I.,
Synthesis and Structural Analysis of some new Arylbromide Decorated Azobenzene Derivatives
Stud. Univ. "Babeş-Bolyai", Chem. **2012**, *57*, 101-107.
128. Petran, A.; Bogdan, E.; Terec, A.; Grosu, I.,
Podands with 10-Ethyl-3,7-Dithienyl-10H-Phenothiazine Core: Synthesis and Structural Analysis
Rev. Roum. Chim., **2012**, *57*, 345-351.
127. Mihiş, A.; Golban, L. M.; Rat, C. I.; Bogdan, E.; Terec, A.; Grosu, I., *Synthesis and stereochemistry of new spiro[5.5]undecane derivatives with 1,3-dioxane, 1,3-dithiane, or 1,3-oxathiane rings,*
Struct. Chem., **2012**, *23*, 61-69.
126. Circu, M.; Pascanu, V.; Soran, A.; Braun, B.; Terec, A.; Socaci, C.; Grosu, I., *Solid state supramolecular assemblies of triol podands through H-bonds.*
CrystEngComm, **2012**, *14*, 632-639.
125. Roiban, G. D.; Soler, T.; Contel, M.; Grosu, I.; Cativiela, C.; Martinez, M; Urriolabeitia, E. P. *Reactivity of Unsaturated 5(4H)-Oxazolones with Hg(II) Acetate: Synthesis of Methyl N-Benzoylamino-3-arylacrylates,* *Synth. Commun.*, **2012**, *42*, 195-203.
124. Reţe, C. V.; Kocsis, I. Z.; Fodor, A.; Turdean, R.; Grosu, I.,
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Stud. Univ. "Babeş-Bolyai", Chem. **2011**, *56*, 153-159.
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Inorg. Chem., **2011**, *50*, 8132-8140.
122. Bogdan, E.; Tintas, M.; Grosu, I.
Cyclopenta[c]pyrans
J. Heterocycl. Chem, **2011**, *48*, 747-762.
121. Cîrcu, M.; Petran, A.; Gâz, A. S.; Bogdan, E.; Terec, A.; Raţ, C. I.; Varga, R. A.; Grosu I.
Synthesis and Structure of New Crown Ethers with 1,4-Phenylene and 1,4-Naphthylene Units
J. Mol. Struct., **2011**, *996*, 17-23.
120. Lar, C.; Roiban, G.-D.; Crăsnăneanu, R. M.; Mihalca, I.; Bogdan, E.; Terec, A.; Grosu, I.
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Centr. Eur. J. Chem., **2011**, *9*, 218-223.
119. Nan, A.; David, L.; Tintas, M.; Lar, C.; Grosu, I.
Synthesis, Stereochemistry and Ring-Chain Tautomerism of some new Bis(1,3-perhydrooxazin-2-yl)benzene Derivatives.
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118. Roiban, G.-D.; Soler, T.; Grosu, I.; Cativiela, C.; Urriolabeitia, E. P.
Unsaturated 4,4'-bis-[5(4H)-oxazolones]: Synthesis and evaluation of their ortho-palladation through C-H bond activation,
Inorg. Chim. Acta, **2011**, *368*, 247-251.

117. Cismaş, C.; Vanthuyne, N.; Rispaud, H.; Varga, R. A.; Bogdan, E.; Roussel, C.; Grosu, I. *Geometric Enantiomerism in Cyclic Compounds: Chiral Dibrominated 1,3-Dioxanes* *Chirality*, **2011**, *23*, 167-171.
116. Varodi, C.; Tosa, N.; Bogdan, E.; Grosu, I.; Muresan, LM.; Turcu, I; *Novel Carbon paste selective material for potassium detection.* *J. Optoelectron. Adv. M. - Rapid Commun.*, **2010**, *4*, 1724-1727.
115. Terec, A; Bogdan, E.; Cismaş, C.; Grosu, I *Selective Bromination Reaction of Some Bis(1,3-Dioxan-2-Yl)Alkanes,* *Rev. Roum. Chim.*, **2010**, *55*, 905-911.
114. Bende, A.; Grosu, I.; Turcu, I. *Molecular Modeling of Phenothiazine Derivatives: Self-Assembling Properties* *J. Phys. Chem. A*, **2010**, *114*, 12479–12489
113. Piron, F.; Leriche, Ph.; Grosu I.; Roncali J. *Electropolymerizable 3D π -conjugated architectures with ethylenedioxythiophene (EDOT) end-groups as precursors of electroactive conjugated networks* *J. Mater. Chem.*, **2010**, *20*, 10260–10268,
112. Woiczehowski-Pop, A.; Varga, R. A.; Terec, A.; Grosu, I. *2,6-Dichloropyridine-3,5-dicarbonitrile* *Acta Cryst. Sect. E*, **2010**, *E66*, o2638.
111. Gâz, S. A.; Dobra, I.; Woiczehowski-Pop, A.; Varga, R. A.; Grosu, I. *3,9-Diisopropyl-2,4,8,10-tetrathiaspiro[5.5]undecane* *Acta Cryst. Sect. E*, **2010**, *E66*, o2618.
110. Roiban, D. G.; Serrano, E.; Soler, T.; Contel. M.; Grosu, I.; Cativiela, C.; Urriolabeitia, E. P *Orthopalladation of (Z)-2-Aryl-4-Arylidene-5(4H)-Oxazolones. Structure and Functionalization Organometallics*, **2010**, *29*, 1428-1435.
109. Demeter D, Allain M, Leriche P, Grosu I, Roncali J. *Synthesis and electronic properties of terthienyls beta-substituted by (thienyl)cyanovinylene groups* *Tetrahedron Lett.* **2010**, *51*, 4117-4120
108. Piron, F.; Oprea, C.; Cismaş, C.; Terec, A; Roncali, J.; Grosu, I. *Synthesis of Podands with Cyanurate or Isocyanurate Cores and Terminal Triple Bonds* *Synthesis*, **2010**, 1639-1644.
107. Mihiş, A.; Golban M. L.; Bogdan E.; Terec, A.; Grosu, I. *Synthesis, structure and reactivity investigations of some new mono- and bis(5,5-dibromomethyl-1,3-dioxan-2-yl) derivatives* *Stud. Univ. "Babeş-Bolyai", Chem.* **2010**, *55*, 157-163.
106. Cîrcu, M.; Niste, V.; Varga R. A.; Dénes, E.; Bogdan E.; Cismaş, C.; Grosu, I. *Synthesis, separation and X-ray diffractometry investigations of trans, trans 1,4-bis(5'-hydroxymethyl-2',5'-dimethyl-1',3'-dioxan-2'-yl)benzene* *Stud. Univ. "Babeş-Bolyai", Chem.* **2010**, *55*, 183-190.
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Design, Synthesis and Structural Analysis of New Macrocycles Containing Dispiro-1,3-dioxane
Units,
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79. Puscas, C.; Lar, C.; Mager, S.; Bogdan, E.; Terec, A.; David, L.; Grosu, I.
Synthesis and Stereochemistry of Some New 2,4,8,10-Tetraoxaspiro[5.5]undecane Derivatives
Studia Univ. "Babes-Bolyai", Chemia, **2007**, *52*, 165-169

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Two-photon Laser Deposition of Gold Nanowires
J. Optoelectron. Adv. M. **2007**, *9*, 641-645.

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Dumitrescu, I.; Plé, G
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[7.7]Cyclophanes"
Org. Lett., **2006**, *8*, 2619-2622.

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"Synthesis and Stereochemistry of Some New 1,3,5-Tris(1,3-dioxan-2-yl)-benzene Derivatives"
Centr. Eur. J. Chem., **2006**, *4*, 808-821.

75. Gropeanu R. A.; Grosu, I.
"Synthesis And Stereochemistry Of Some New Spiro Benzo-1,3-Dioxane Derivatives"
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"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"
Studia Univ. "Babes-Bolyai", Chemia, **2006**, *51 (1)*, 3-12.

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"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"
Studia Univ. "Babes-Bolyai", Chemia, **2006**, *51 (1)*, 13-20.

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Dioxanes"

Studia Univ. Babeş-Bolyai, Chemia, **2005**, 50 (1-2), 247-252.

71. N. Tosa, A. Bende, I. Bratu, I. Grosu

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Studia Univ. Babeş-Bolyai, Chemia, **2005**, 50 (2), 157-162

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"Synthesis and Stereochemistry of New Bis(1,3-Oxathian-2-yl) Derivatives: Epimerisation and Chair-Twist Equilibria"

Struct. Chem., **2005**, 16, 369-377.

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"Six-membered ring spiranes: carbocycles and heterocycles with oxygen"

Curr. Org. Chem., **2005**, 9, 1287-1314.

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Heterocyclic Commun., **2005**, 11, 389-394.

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"Considerations on the Stereochemistry of Alkylidenecyclohexanes and Their Heterocyclic Analogs"

Rev. Roum. Chim., **2005**, 50, 333-339.

65. N. Tosa, A. Bende, S. Pînzaru, I. Grosu, E. Surducian

"Structure and Vibrational Spectra of Tetramethyl 3,7-Dihydroxybicyclo[3.3.1.]nona-2,6-diene 2,4,6,8-tetracarboxylate and Bicyclo[3.3.1]nonane-3,7-dione"

Studia Univ. Babeş-Bolyai, Physica, **2004**, 44 (3), 289-292.

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"New Macrocycles Including Spiro-1,3-dioxane Units as Ionophores for Cation Selective Electrodes"

Stud. Univ. "Babeş-Bolyai", Chemia, **2004**, 49, 121-130.

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