


INFORMAȚII PERSONALE

Dumitru Florina

-  Bucuresti, 051143, Romania
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LOCUL DE MUNCA
POZIȚIA

Universitatea Politehnica din Bucuresti, Facultatea de Chimie Aplicata si Stiinta Materialelor, Departamentul de Chimie Anorganica, Chimie Fizica si Electrochimie, Profesor

EXPERIENȚA PROFESIONALĂ

- I. 2000 - prezent
- II. 2000-1997
- III. 1997-1995

I. Profesor, conferentiar, sef de lucrari, asistent, II. Inginer/cercetator, III. Inginer/cercetator

I. Departamentul de Chimie Anorganica, Chimie Fizica si Electrochimie/Catedra Chimie Anorganica, Facultatea de Chimie Aplicata si Stiinta Materialelor, Universitatea Politehnica Bucuresti, Spl. Independentei 313, Bucuresti (www.upb.ro/ / <http://www.chimie.upb.ro/>)

- Cercetare / activitate didactică și de cercetare

Sector de activitate: Educatie/Invatamant

II. Laborator Chimie Supramoleculara, Centrul de Cercetare pentru Materiale Macromoleculare și Membrane S.A., București (<http://ccmmm.ro/index.html>)

- Cercetare

Sector de activitate: Cercetare

III. Compartiment Cercetare-Dezvoltare si C.T.C., Fabrica de Arome Alimentare (The European Connection), Saftica

- Cercetare

Sector de activitate: Control de calitate/Productie/Cercetare

EDUCAȚIE ȘI FORMARE
I. 2010-2013, II. 2008, II. 1990-1995, III. 1985-1989**I. Cercetator postdoctoral (EQF 8), II. Doctor (EQF 8), III. Inginer chimist (EQF 6), IV. Bacalaureat (EQF 5)**

I. Universitatea Politehnica Bucuresti-Romania II. Universitatea Politehnica Bucuresti-Romania si Université de Montpellier 2-Sciences et Techniques du Languedoc Franta, III. Universitatea Politehnica Bucuresti, IV. Liceul de Matematica-Fizica nr. 3 (actual Liceul teoretic A. I. Cuza), Bucuresti

- I. Nanomateriale/Chimie supramoleculara, II. Chimie coordinativa/Chimie combinatoriala, III. Tehnologia Substantelor Organice, IV. Matematica-fizica

COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

| | INTELEGERE | | VORBIRE | | SCRIERE |
|-------------------------|------------|--------|----------------------------|--------------|---------|
| | Ascultare | Citire | Participare la conversație | Discurs oral | |
| Engleza | B2 | B2 | B2 | B2 | B2 |
| Utilizator independent | | | | | |
| Franceza | C1 | C1 | C1 | C1 | C1 |
| Utilizator experimentat | | | | | |

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

Competențe organizaționale/manageriale

- Experiență bună a managementului de proiect și al echipei.

Competențe dobândite la locul de muncă

- Chimie coordinativa
- Chimie supramoleculara si combinatoriala
- Polimeri anorganici si materiale hibride
- sinteza de combinatii complexe – cu aplicatii in chimia supramoleculara si chimia combinatoriala.

Competență digitală

| AUTOEVALUARE | | | | |
|------------------------|------------------------|------------------------|----------------------|------------------------|
| Procesarea informației | Comunicare | Creare de conținut | Securitate | Rezolvarea de probleme |
| Utilizator independent | Utilizator independent | Utilizator independent | Utilizator elementar | Utilizator elementar |

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat
 Competențele digitale - Grilă de auto-evaluare

- utilizarea programelor ISISdraw, Chemdraw, HyperChem, Microsoft Word, aplicatiile Windows, Mestrec, LabSpec, Mercury, Crystals, OriginPro, Opus

ANEXE

- Lista de publicatii

Data: 29.03.2021

LISTA DE LUCRĂRI

DUMITRU V. Florina

a) Teza de doctorat

T1. SISTEME DINAMICE PE BAZA DE LIGANZI POLIDENTATI. AMPLIFICARE CONSTITUTIONALA IN BIBLIOTECI COMBINATORIALE DINAMICE DE BIS(IMINO)PIRIDINE - **Universitatea Politehnica din Bucuresti**/ SYSTEMES DYNAMIQUES A BASE DE LIGANDS POLYDENTES. AMPLIFICATION CONSTITUTIONNELLE DANS UNE BIBLIOTHEQUE COMBINATOIRE DYNAMIQUE DE BIS(IMINO)PYRIDINES - **Université de Montpellier II Sciences et Techniques du Languedoc (Montpellier, France)**, Ordin MEDC nr. 3439/12.03.2008.

b) Brevete

- B1. T. Negreanu-Pirjol, B. S. Negreanu-Pirjol, C. Guran, M. Calinescu, A. Oancea, E. Gorun, **F. Dumitru**, A. Meghea, N. Badea, M. Bratu, L. A. Bucur, L. Moldovan, V. Coroiu, O. Calinescu, M. R. Stoicescu, F. B. Nitu, *Metal Chlorhexidine Complexes And Process For Preparing The Same*, RO127465 (A8), 30.07.2012.
http://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20120629&DB=EPODOC&locale=en_EP&CC=R_O&NR=127465A2&KC=A2&ND=4
- B2. T. Negreanu-Pirjol, B.S. Negreanu-Pirjol, C. Guran, M. Calinescu, A. Oancea, E. Gorun, F.N. Roncea, **F. Dumitru**, A. Meghea, N. Badea, G. Taralunga, R. Sirbu, L. Moldovan, M. Mirea, *Pharmaceutical Cream-type Preparations Based on Metal Complexes of Chlorhexidine and Process for Preparing the Same*, RO127721 (A2), 30.08.2012.
http://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20120830&DB=EPODOC&locale=en_EP&CC=RO&NR=127721A2&KC=A2&ND=4
- B3. T. Negreanu-Pirjol, B. S. Negreanu-Pirjol, C. Guran, M. Calinescu, A. Oancea, E. Gorun, F. N. Roncea, **F. Dumitru**, A. Meghea, N. Badea, G. Taralunga, L. Moldovan, *Pharmaceutical Bioadhesive Disk-type Preparations Based on Chlorhexidine Metal Complexes and Process for Preparing the Same*, RO127727 (A2), 30.08.2012.
http://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20120830&DB=EPODOC&locale=en_EP&CC=RO&NR=127727A2&KC=A2&ND=4
- B4. T. Negreanu-Pirjol, B. S. Negreanu-Pirjol, C. Guran, M. Calinescu, A. Oancea, E. Gorun, F. N. Roncea, **F. Dumitru**, A. Meghea, N. Badea, G. Taralunga, C. Amariei, L. Moldovan, *Pharmaceutical Mouthwash-type Preparations based on Chlorhexidine Metal Complexes and Process for Preparing the Same*, RO127722 (A2), 30.08.2012, (RO127722 (A8) 2012-11-29).
http://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20120830&DB=EPODOC&locale=en_EP&CC=RO&NR=127722A2&KC=A2&ND=4
- B5. T. Negreanu-Pirjol, B. S. Negreanu-Pirjol, C. Guran, M. Calinescu, A. Oancea, E. Gorun, F. N. Roncea, **F. Dumitru**, A. Meghea, N. Badea, G. Taralunga, R. Sirbu, L. Moldovan, *Pharmaceutical Bioadhesive Gel-type Preparations Based on Chlorhexidine Metal Complexes and Process for Preparing the Same*, RO127726 (A2), 30.08.2012.
http://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20120830&DB=EPODOC&locale=en_EP&CC=RO&NR=127726A2&KC=A2&ND=4

c) Articole / studii *in extenso*, publicate în reviste din fluxul științific internațional principal

Lucrari publicate in reviste ISI

- Ris1. Diop, T., Ndiolène, A., Diop, M. B., Boye, M. S., van der Lee, A, **Dumitru, F**, Khadir Diop, C. A, Sidibé, M
Synthesis, spectral (FT-IR, 1H, 13C) studies, and crystal structure of [(2,6-CO₂)₂C₅H₃NSnBu₂(H₂O)]₂·CHCl₃ Zeitschrift für Naturforschung B, vol. 76, no. 2, 2021, pp. 127-132. <https://doi.org/10.1515/znb-2020-0195>
- Ris2. Motelica, L, Popescu, A. Răzvan, A.-G, Oprea, O, Trușcă, R.-D.; Vasile, B.-S.; **Dumitru, F.**; Holban, A.-M.
Facile Use of ZnO Nanopowders to Protect Old Manual Paper Documents. Materials 2020, 13, 5452, WOS:000597914700001.
- Ris3. **Dumitru F**, van der Lee A, Barboiu M.
Chiral superstructures from homochiral Zn²⁺, Co²⁺, Fe²⁺-2,6-bis (arylethyl-imine)pyridine complexes. Chirality. 31(10), 763-775, 2019, DOI: 10.1002/chir.23115, WOS:000489266000001
- Ris4. Anca RAZVAN, Daniela F. POPA, Ovidiu OPREA, Eugeniu VASILE, **Florina DUMITRU**, Gheorghe NECHIFOR,
Ultrafiltration mixed matrix membranes based on mesoporous silica (MCM-41, HMS) embedded in polysulfone, REV.CHIM.(Bucharest), 70(9), 2019, 3089-3093. WOS:000489958900001
- Ris5. Totu, E.E., Cristache, C.M., Buga, R., **Dumitru, F.**, Totu, T.,
A card double face: Compounds' functionality and synergy of a topical treatment proposed for oral health improvement in periodontal disease, Revista de Chimie, Volume 70, Issue 5, 2019, Pages 1551-1557 WOS:000470086400008
- Ris6. Daniela F. Enache, Eugenia Vasile, Claudia Maria Simonescu, Daniela Culita, Eugeniu Vasile, Ovidiu Oprea, Andreea Madalina Pandeale, Anca Razvan, **Florina Dumitru**, Gheorghe Nechifor,
Schiff base-functionalized mesoporous silicas (MCM-41, HMS) as Pb(II) adsorbents, RSC Adv., 2018, 8, 176-189, doi: C7RA12310H (FI = 3.108). WOS:000419187600021

- Ris7. D. F. Enache, G. A. Popa, E. Vasile, A. Razvan, O. Oprea, E. Voicila, **F. Dumitru**, *Preparation and Characterization of Ultrafiltration TiO₂ Nanoparticles-Polysulfone Membranes*, REV.CHIM. (Bucharest), 68(11), **2017**, 2635-2640 (FI = **1.232**). WOS:000416751800035
- Ris8. D. F. Enache, E. Vasile, C. M. Simonescu, A. Razvan, A. Nicolescu, A-C. Nechifor, O. Oprea, R.-E. Patescu, C. Onose, **F. Dumitru**, *Cysteine-functionalized silica-coated magnetite nanoparticles as potential nanoadsorbents*, J. Solid State Chem. 253C, **2017**, 318-328 (FI = **2.299**). WOS:000406572600044
- Ris9. S. Schneider, E.-D. Licsandru, I. Kocsis, A. Gilles, **F. Dumitru**, E. Moulin, J. Tan, J.-M. Lehn, N. Giuseppone, M. Barboiu *Columnar Self-Assemblies of Triarylaminas as Scaffolds for Artificial Biomimetic Channels for Ion and for Water Transport*, J. Am. Chem. Soc., 2017, doi: 10.1021/jacs.6b12094, (FI= **13.038**). ISSN: 0002-7863; ISSN: 1520-5126
- Ris10. Serb, M. D., Vasile, E., Razvan, A., **Dumitru, F.**, Andronescu, C., Oprea, O., Vasile, O. R., Holban, A. M., Andronescu, E. *Fe₃O₄ nanoparticles coated with Zn(II)-carboxylato complexes*, Dig. J. Nanomater. Bios. 11(2), 2016, 495-505. (FI= **0.756**). ISSN: 1842-3582 WOS:000378158700020
- Ris11. **F. Dumitru**, U. Englert, B. Braun *Oriental disorder in the one-dimensional coordination polymer catena-poly[[bis(acetyl-acetonato-kappa O-2, O') cobalt(II)]-mu-1,4-diaza-bicyclo[2.2.2] octane-kappa(2) N-1 : N-4]*, Acta Cryst. E72, 2016, 548-551, <http://dx.doi.org/10.1107/S205698901600428X>. ISSN: 2056-9890 WOS:000374651100031
- Ris12. M.-G. Alexandru, **F. Dumitru** *Crystal structure of tris(mu-bis{4-[(pyridin-2-ylmethylidene) amino]phenyl}methane-k⁴N,N':N'', N''')dizinc tetrakis(tetrafluoroborate)acetone nitrile trisolvate*, Acta Cryst. E71(12), 2015, m271, <https://doi.org/10.1107/S205698901502455X> ISSN: 2056-9890 WOS:000370762300034
- Ris13. M.-D. Șerb, P. Müller, R. Trușcă, O. Oprea, **F. Dumitru** *Study of thermal decomposition of a zinc(II) monomethyl terephthalate complex, [Zn(CH₃O-CO-C₆H₄COO)₂(OH₂)₃·2H₂O*, J. Therm. Anal. Calorim., 121(2), 691-695, 2015, doi:10.1007/s10973-015-4629-6 (FI= **2.042**). ISSN: 1388-6150; eISSN: 1572-8943 WOS:000357676500019
- Ris14. L. Pop, **F. Dumitru**, N. Hadade, Y.-M. Legrand, A. van der Lee, M. Barboiu, I. Grosu *Exclusive Hydrophobic Self-Assembly of Adaptive Solid-State Networks of Octasubstituted 9,9'-Spirofluorenes*, Org. Lett., 17(14), 3494-3497, 2015, doi: 10.1021/acs.orglett.5b01576 (FI= **6.364**). ISSN: 1523-7060; eISSN: 1523-7052 WOS:000358395500030
- Ris15. M. Barboiu, **F. Dumitru**, E. Petit, Y.-M. Legrand, A. van der Lee *Mesomeric metallosupramolecular grid architectures*, Supramol. Chem. 27(5-6), 393-400, 2015, doi: 10.1080/10610278.2014.965708 (FI= **2.394**). ISSN: 1061-0278; eISSN: 1029-0478 WOS:000350879800011
- Ris16. D. Dumitrescu, **F. Dumitru**, Y.-M. Legrand, E. Petit, A. van der Lee, M. Barboiu *New "Pyrene Box" Cages for Adaptive Guest Conformations*, Org. Lett. 17(9), 2178-2181, 2015, doi: 10.1021/acs.orglett.5b00779 (FI= **6.364**). ISSN: 1523-7060; eISSN: 1523-7052 WOS:000354004400036
- Ris17. M.-D. Serb, B. Braun, O. Oprea, **F. Dumitru** *Synthesis, Crystal Structure, and Thermal Decomposition Study of the New [Tetraqua-Bis-(Monohydrogen Squarate)]Zinc(II) Complex*, Dig. J. Nanomater. Bios., 8(2), 797-804, 2013, (FI= **0.945**). ISSN: 1842-3582 WOS:000322737500033
- Ris18. **F. Dumitru**, Y.-M. Legrand, M. Barboiu, A. van der Lee, *Weak intermolecular hydrogen and halogen interactions in an isomorphous halogen series of pseudoterpyridine Zn^{II} complexes*, Acta Cryst. B69, 43-54, 2013, doi: 10.1107/S0108768112050434 (FI= **2.184**). ISSN: 0108-7681 WOS:000313970300005
- Ris19. E. Vasile, **F. Dumitru**, A. Razvan, O. Oprea, C. Andronescu *Novel Ureido-4'-Aminobenzo-15-Crown-5-Ether Periodic Mesoporous Silicas*, Dig. J. Nanomater. Bios., 8(1), 433-444, 2013,

- (**FI= 0.945**).
ISSN: 1842-3582
WOS:000316441200046
- Ris20. A. Sanislav, **F. Dumitru**, M.D. Stanescu,
Investigation of two textile anthraquinone dyes purity, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 2013, 75(4), 91-100. (ISSN 1454-2331)
- Ris21. **F. Dumitru**, Y.-M. Legrand, E. Petit, A. van der Lee, M. Barboiu
Self-sorting of metallosupramolecular DCLs via double-level exchange: amplification in solution and solid state modulation, Dalton Trans., 41(38), 11860-11865, 2012, doi: 10.1039/c2dt31532g (**FI=4.197**).
ISSN: 1477-9226; eISSN: 1477-9234
WOS:000308655800045
- Ris22. S. Gavrilas, **F. Dumitru**, M.D. Stanescu,
Commercial Laccase oxidation of phenolic compounds, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 2012, 74(4), 3-10. (ISSN 1454-2331)
- Ris23. **F. Dumitru**, M.-D. Serb, U. Englert
Pyridine-2,6-dicarboxaldehyde bis[(diphenylmethylidene)hydrazone], Acta Cryst. E67, o1030 (9pg), 2011, doi: 10.1107/S1600536811011238
ISSN: 1600-5368; eISSN: 2056-9890
WOS: 000291308300106
- Ris24. T. Negreanu-Pîrjol, B. Negreanu-Pîrjol, M. Călinescu, **F. Dumitru**, R. Sîrbu, R. Stoicescu, G. Rima, C. Guran, *Cu(II) and Zn(II) complex compounds with biguanides aromatic derivatives. synthesis, characterization, biological activity*, Studii și Cercetări Științifice Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară, 2011, 12 (2), 127 – 140. (ISSN 1582-540X)
- Ris25. T. Negreanu-Pîrjol, M. Calinescu, B. Negreanu-Pîrjol, **F. Dumitru**, R. Sirbu, G. Liliros, E. Gorun, C. Guran, *Synthesis, characterization and microbiological activity of some new Zn(II) and Ag(I) complex compounds with hetero-aromatic biguanide derivatives*, Archives of the Balkan Medical Union, 2011, 46(2), 142-146. (ISSN 1584-9244)
- Ris26. M.-D. Serb, Y. Wang, **F. Dumitru**, U. Englert
Triaquabis[4-(methoxycarbonyl)benzoato_κO¹]zinc dihydrate, Acta Cryst. E67, m475 (8pg), 2011, doi: 10.1107/S1600536811010269
ISSN: 1600-5368; eISSN: 2056-9890
WOS:000289208800068
- Ris27. M. Alexie, **F. Dumitru**, A. Razvan, L. Pasare, C. Guran
New membranes with mercapto -2,6-pyridinediamides as anion recognition fixed sites, Rev. Chim. (Bucharest) 61(12), 1197-1201, 2010 (**FI=0.81**).
ISSN: 0034-7752
WOS:000288339300013
- Ris28. D. Manzu, **F. Dumitru**, A. Ficai, A. Razvan, A. Guran
Organocyclophosphazenes/silica hybrid materials I. Synthesis and characterization of siloxane monomers and of cyclophosphazene/SiO₂ composites, Mat. Plast. 47(3), 292-298, 2010 (**FI=0.824**).
ISSN: 0025-5289
WOS:000283484600007
- Ris29. **F. Dumitru**, Y.-M. Legrand, M. Barboiu, E. Petit, A. van der Lee
Metallosupramolecular architectures of pseudoterpyridine-type ligands and Zn^{II} metal ions, Cryst. Growth & Des. 9(6), 2917-2921, 2009, doi: 10.1021/cg9002466 (**FI=4.891**).
ISSN: 1528-7483
WOS:000266708600060
- Ris30. Y.-M. Legrand, **F. Dumitru**, C. Arnal-Hérault, M. Michau, M. Barboiu
Dynamic Constitutional materials crystallization- and sol-gel-driven self-sorting of functional supramolecular architectures, Rev. Roum. Chim. 54(6), 421-432, 2009 (**FI=0.311**).
ISSN: 0035-3930
WOS:000273849700003
- Ris31. M. Barboiu, **F. Dumitru**, Y.-M. Legrand, E. Petit, A. van der Lee
Self-sorting of equilibrating metallosupramolecular DCLs via constitutional crystallization, Chem. Commun. 16, 2192 - 2194, 2009 doi: 10.1039/b900155g (**FI=6.834**).
ISSN: 1359-7345
WOS:000265072800034
- Ris32. **F. Dumitru**, Y.-M. Legrand, A. van der Lee, M. Barboiu
Constitutional self-sorting of homochiral supramolecular helical single-crystals from achiral components, Chem. Commun. 19, 2667-2669, 2009 doi: 10.1039/b822619a (**FI=6.834**).

- ISSN: 1359-7345
WOS:000265890600013
- Ris33. **F. Dumitru**, M. Giurginca, O. Micu, C. Guran, A. Razvan, N. Badea
Synthesis and Characterization of Potentially Antimicrobial Complexes of Zn(II) and Cu(II) with Chlorhexidine as Ligand, Key Eng. Mater. 415, 49-53, 2009 doi: 10.4028/www.scientific.net/KEM.415.49
ISSN: 1013-9826; ISSN web 1662-9795
WOS:000278916000013
- Ris34. Y.-M. Legrand, **F. Dumitru**, A. van der Lee, M. Barboiu
Interpenetrated Constitutional Networks of Aromatic Metallosupramolecular Duplexes, Supramol. Chem. 21(3-4), 229-236, 2009 doi: 10.1080/10610270802478271 (FI=2.394).
ISSN: 1061-0278; eISSN: 1029-0478
WOS:000265637300007
- Ris35. D. Manzu, T. Negreanu-Pirjol, **F. Dumitru**, M. Alexie, C. Guran,
Synthesis, characterisation and the biological activity of some Cr(III), Fe(III), Cu(II), Mn(II)-complexes of N,O-aminoethanol tetrachlorocyclotriphosphazene, U.P.B. Sci. Bull., Series B, 2009, 71(2), 49-59. (ISSN 1454-2331)
- Ris36. M. Alexie, **F. Dumitru**, D. Manzu, T. Negreanu-Pirjol, C. Guran,
Synthesis, characterization and biological activity of phenol-2,6-pyridinediamide complexes with Fe(III) and Mo(VI), U.P.B. Sci. Bull., Series B, 2009, 71(3), 65-77. (ISSN 1454-2331)
- Ris37. M.-D. Serb, B. Calmuschi-Cula, **F. Dumitru**, C. Guran, U. Englert,
Synthesis and Structural Characterization of Tris[4-(2-Pyridylmethyleneamino)-Phenol]Manganese(II)Bis(Perchlorate), U.P.B. Sci. Bull., Series B, 2008, 70(4), 45-51. (ISSN 1454-2331)
- Ris38. M. D. Serb, B. Braun, **F. Dumitru**, U. Englert, C. Guran
Tris(2-pyridinecarboxaldehyde(p-Hydroxyphenylimine)Iron(II)Diperchlorates Complex, Acta Cryst. E64, m212 (12pg), 2008 doi: 10.1107/S1600536807066688
ISSN: 1600-5368; eISSN: 2056-9890
WOS:000252049300177
- Ris39. M. Șerb, B. Calmuschi-Cula, **F. Dumitru**, U. Englert, C. Guran
catena-Poly[bis(acetonitrile)(1,10-phenanthroline-N,N')copper(II)]-μ-perchlorato-κ²o,o'(perchlorate), Acta Cryst. E63, m1484-m1486, 2007 doi: 10.1107/S1600536807019733
ISSN: 1600-5368; eISSN: 2056-9890
WOS:000248080100149
- Ris40. M. Șerb, B. Calmuschi-Cula, **F. Dumitru**, T. Dols, U. Englert, C. Guran
(Acetonitrile)bis(1,10-phenanthroline)copper(II)bis(perchlorate), Acta Cryst. E63, m1292-m1293, 2007 doi: 10.1107/S1600536807015036
ISSN: 1600-5368; eISSN: 2056-9890
WOS:000248080100056
- Ris41. I. Viezure, L. Pasare, D. Rata, **F. Dumitru**, C. Guran
Preparation Of Nanofiltration Phosphazene Membranes, Rev. Chim. 57(2), 170-174, 2006 (FI=0.81).
ISSN: 0034-7752
WOS:000236716500013
- Ris42. I. Viezure, L. Pasare, **F. Dumitru**, R. Marin, C. Guran
Novel Ultrafiltration Membranes Having Functionalized Cyclotriphosphazene In Their Structure, Rev. Chim., 57(9), 931-935, 2006 (FI=0.81).
ISSN: 0034-7752
WOS:000242185000007
- Ris43. **F. Dumitru**, E. Petit, A. van der Lee, M. Barboiu
Homo- and heteroduplex complexes containing terpyridine-type ligands and Zn²⁺, Eur. J. Inorg. Chem. (Cover Picture), 21(9), 4255-4262, 2005 doi: 10.1002/ejic.200500463 (FI= 2.942).
ISSN: 1434-1948
WOS:000233297800002
- Ris44. **F. Dumitru**, V. Marin, M. Bicher, C. Guran
New materials containing cyclophosphazenes. I. Precursors for covalent or non-covalent materials, Rev. Roum. Chim., 49 (3-4), 301-308. 2004 (FI=0.311).
ISSN: 0035-3930
WOS:000224293800016
- Ris45. D. Berger, **F. Dumitru**, C. Matei, C. Guran
Soft-chemistry synthesis of gadolinium cobaltite, Rev. Roum. Chim., 47(10-11), 1133-1136, 2002 (FI=0.311).
ISSN: 0035-3930
WOS:000185143200026

- Ris46. **F. Dumitru**, D. Berger, C. Matei, R. Perego, C. Guran, *Soft-chemistry methods for synthesis of gadolinium based perovskite oxides*, Key Eng. Mater. 206-213, 159-162, 2002 doi: 10.4028/www.scientific.net/KEM.206-213.159
ISSN: 1013-9826; ISSN web 1662-9795
WOS:000172651400042
- Ris47. G. B. Caraman, **F. Dumitru**, Z. Delbederi, C. Guran, *Strategies for the synthesis of new materials based on squarate-substituted phosphazenes and d or f metals*, J. Phosphorus, Sulfur, Silicon & Relat. Elem., 168-169, 401-404, 2001 doi: 10.1080/10426500108546594 (FI= 0.561).
ISSN: 1042-6507; eISSN: 1563-5325
WOS:000209012300019

Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS.

- Rn1. **F. Dumitru**, I. Viezure, T. Negreanu-Pirjol, L. Carpus, M. Serb, C. Guran, *Synthesis and biological activity of some d metal complexes containing organo-substituted cyclophosphazatriene as ligand*, OVIDIUS University Annals of Pharmacy, 2003, 1(1), 227-231. (ISSN 2286-038X) (CNCSIS-C)
- Rn2. **F. Dumitru**, M. Barboiu, A. Rus, S. Udrea, C. Guran, *Ni(II) and Cu(II) complexes with polydentate urea-based ligand*, University "Politehnica" Bull., Series: Chemistry, Timisoara, 45(59), 2, 2000, 275-280. (ISSN 1224-6018) (CNCSIS-B+)
- Rn3. A. Rus, M. Giurginca, D. Mihaescu, **F. Dumitru**, C. Guran, *Luminescence properties studies on complexes of some 4f metals with 3,6-diaminoacridine*, University "Politehnica" Bull., Series: Chemistry, Timisoara, 45(59), 2, 2000, 269-274. (ISSN 1224-6018) (CNCSIS-B+)
- Rn4. **F. Dumitru**, M. Andrei, G. B. Caraman, I. Druta, C. Guran, *The coordination chemistry of some oligopyridine derivatives I. Complex compounds of ethyl 3-benzoyl-5-(2'-pyridyl) - indolizine - 1- carboxylate with Fe(III), Cr(III) and Cu(II)*, OVIDIUS University Annals of Chemistry, 2000, 11(1), 7-9. (ISSN 2286-038X) (CNCSIS -C)

d) Lucrări științifice publicate în volumele conferințelor.

Volumele unor manifestări științifice internaționale

- Vi1. M. Serb, **F. Dumitru**, B. Calmuschi, C. Guran, *Building block strategy in the synthesis of polynuclear squarate-complexes*, Proceedings of the 14th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, Romania, 2005, S01-28-33.
- Vi2. S. Pasolescu, E. Bacu, T. Negreanu-Pirjol, **F. Dumitru**, C. Guran, *Pt(II) and Pd(II) complexes with phenothiazine derivatives. Synthesis, characterization and biological assay*, Proceedings of the 13th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, Romania, 2003, 53-64.
- Vi3. T. Negreanu-Pirjol, C. Guran, **F. Dumitru**, D. Mihele, R. Sarbu, *Biological activity of some La(III) and Ce(III) complex compounds with alpha-ketoglutaric acid and biguanide derivatives*, Proceedings of the 13th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, Romania, 2003, 93-100.
- Vi4. **F. Dumitru**, V. Marin, G. B. Caraman, C. Guran, *Synthèse d'un nouveau précurseur d'heteropolysiloxane pour l'obtention des membranes hybrides*, Actes du deuxième Colloque Franco-Roumain de Chimie Appliquée, COFrRoCa-2002, 405-406.
- Vi5. A. Rus, M. Giurginca, D. Mihaescu, **F. Dumitru**, C. Guran, *Ce(III) complexes de 3,6-diaminoacridine comme potentiels indicateurs de la chemiluminescence*, Actes du deuxième Colloque Franco-Roumain de Chimie Appliquée, COFrRoCa-2002, 2002, 41-44.
- Vi6. S. Pasolescu, T. Nicolaie, E. Bacu, **F. Dumitru**, C. Guran, *Etude de toxicité sur des Cu(II) complexes des phenothiazines*, Actes du deuxième Colloque Franco-Roumain de Chimie Appliquée, COFrRoCa-2002, 2002, 163-164.
- Vi7. **F. Dumitru**, D. Berger, C. Guran, *Squaric acid as versatile ligand for precursors of ceramic materials*, Proceedings of International Conference on Materials Science and Engineering, BRAMAT 2001, Romania, 2001, 110-113.
- Vi8. V. Marin, G.B. Caraman, **F. Dumitru**, C. Guran, *Synthesis of new monomers based on cyclophosphazenes bearing Si(OEt)₃ moieties*, Proceedings of the 12th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, Romania, 2001, 315-318.

Volumele unor manifestari stiintifice nationale

- Vn1. **F. Dumitru**, M. Alexie, L. Pasăre, D. Rață, A. Nicolescu, C. Deleanu, D. Mânzu, A. Ficai, A. Răzvan, C. Guran, *New membranes with anion recognition fixed sites*, Conference "Excellence research – a way to innovation", Brasov 27-29 iulie, 2008, Editura Tehnica (ISSN: 1844-7090) L245, 6 pg.
- Vn2. M. Alexie, **F. Dumitru**, D. Manzu, A. Razvan, C. Guran, *Mercapto-2,6-pyridinediamides: molecular synthons for anion receptors DCLs*, Conferința "Cercetarea de Excelenta - premiza favorabila pentru dezvoltarea spatiului romanesc de cercetare", Brasov, 24-26 octombrie 2007, Romania, 6 pag., Ed. Tehnica (ISSN: 1843-5904), L245.

- Vn3. M. Bărboiu, C. Luca, **F. Dumitru**, Z. Delbederi, G.B. Caraman - *Facilitated membrane transport and molecular recognition of organics of biological interest*, Proceedings of the XXIVth National Session of Scientific Papers, Vâlcea, Romania, 1998, 1, 66-71.

e) Contracte și rapoarte științifice (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obținute prin competiție, pe bază de contract/grant, în țară.

- Pn1. PN-II-RU-TE-2014-4-1556, Noi unitati de asamblare pentru design-ul de noi (nano)magneti moleculari (Director de proiect: Dr. Maria-Gabriela Alexandru), **2015-2017, membru in echipa de cercetare.**
- Pn2. Program postdoctoral pentru cercetare avansata in domeniul nanomaterialelor - POS-DRU, NANOMAT, ID 54785, **2010-2013**, cercetator.
- Pn3. Noi hidruri complexe pentru inmagazinarea hidrogenului in stocator adecvat aplicatiilor vehiculare Nr.contract 72-196 /1.10.2008- PNCDI2-Parteneriate in domeniile prioritare (4 parteneri, Partener 3), **2008-2010, membru in echipa de cercetare - UPB.**
- Pn4. Noi preparate farmaceutice topice pe baza de complexi ai clorhexidinei cu ioni metalici de zinc, cupru si argint cu activitate antimicrobiana si antiparazitara (acronim HEXICOFARM) Nr.contract 61_035 /14.09.2007- PNCDI2-Parteneriate in domeniile prioritare (5 parteneri, Partener 1), **2007-2010, membru in echipa de cercetare - UPB.**
- Pn5. Eteri coroana imobilizati in matrici anorganice nanostructurate pentru extractia selectiva a perechilor de ioni, Tema 3, CNCSIS cod 159, **2007-2008, membru in echipa de cercetare - UPB.**
- Pn6. Biblioteci combinatoriale pentru sinteza unor receptori neutri pentru anioni anorganici. De la proiectare la aplicatii potentiale, CEEX 245/8.09.2006 (AMCSIT, 4 Parteneri), **2006-2008, membru in echipa de cercetare - UPB.**
- Pn7. Hibridi fenotiazine - heterocicluri continand atomi de azot si sulf cu potentiale efecte farmacologice CEEX 2Cex-06-11-105/25.10.2006 (CERES) (5 Parteneri, P2), **2006-2008, membru in echipa de cercetare - UPB.**
- Pn8. Captarea CO₂ provenit din arderea combustibililor fosili, CEEX 137/20.06.2006 (AMCSIT) (5 Parteneri, P1), **2006-2008, membru in echipa de cercetare - UPB.**
- Pn9. Materiale multifunctionale micro si nano structurate, *Programul „Platforme / Laboratoare de formare și cercetare interdisciplinară”*, Contract M.Ed.C. 20/2006, **2006- 2008, Colaborator/Laborator materiale polimerice.**
- Pn10. Ciclofosfazene organofunctionalizate ca liganzi in obtinerea unor combinatii complexe bioactive cu metale tranzitionale *d* si *f*, Contract CNCSIS 40528/05.11.2003, tema nr. 33, cod 128, **2003- 2005, membru in echipa de cercetare - UPB.**
- Pn11. Materiale membranare hibride cu schelet polifosfazenic, Proiect CERES, tip PED, cod 632022 (subcontract 517/18.11.2002, nr.UPB 44-02-11) - program PNCDI, Coordonator proiect: Centrul de Cercetari pentru Materiale Macromoleculare si Membrane, **2002- 2004, membru in echipa de cercetare - UPB.**
- Pn12. Materiale hibride organo-anorganice cu aplicatii în procese membranare de separare a ionilor metalici, Contract CNCSIS 33552/01.07.2003, cod 109, **2002-2003, director.**
- Pn13. Sisteme supramoleculare anorganice formate prin interactii metal *d* sau *f*-eteri coroana functionalizati, Tema 98, cod CNCSIS 1244, **2000-2002, membru in echipa de cercetare - UPB.**
- Pn14. Aplicatii ale unor sisteme supramoleculare formate cu receptori eteri coroana functionalizati cu acid squaric, Tema B76, 2000, Tema A71, 2001, Contract nr. 6111/2000, Grant_T - Ministerul Educatiei si Cercetarii, **2000-2001, director.**
- Pn15. Receptori functionalizati cu rol de catalizatori prin transfer interfazic si supramoleculari cu aplicatii in cataliza neconventionala si realizarea de enzime sintetice Tema B5 Act additional 275/23.03.1998, Beneficiar MCT, Tema A23 Act additional 1153/1999/VII, Beneficiar ANSTI, **1998-1999, responsabil.**
- Pn16. Liganzi macrociclici cu rol de transportori in membrane lichide, utilizati in separari selective, Tema A1 Act additional 235/14.04.1999/II, 2 faze, Beneficiar ANSTI, **1999, responsabil.**
- Pn17. Sinteza de noi materiale membranare hibride continand receptori macrociclici, Contract 164B/ **1997/A4**, Beneficiar MCT, Tema A9 Act additional 14/**1998/I**, 2 faze, Beneficiar MCT, **1997-1998, membru in echipa de cercetare - CCMMM.**
- Pn18. Sinteza si caracterizarea de noi receptori macrociclici cu functii de recunoastere, transport si activitate catalitica selective, Tema A2 Act additional 2027/18.11.**1997/VII**, Beneficiar MCT, Tema A10 Act additional 14/31.01.**1998/I**, Beneficiar MCT, Tema A6 Act additional 235/14.04. **1999/II**, Beneficiar MCT-ANSTI, **1997-1999, membru in echipa de cercetare - CCMMM.**
- Pn19. Receptori macrociclici functionalizati cu rol de transportori selectivi in membrane lichide si polimeric e, cu aplicatii in separatologia analitica si recuperativa, Tema B4 Act additional 1168/ **1997/IV**, Beneficiar MCT, Tema A22 Act additional 988/13.08.**1998/IV**, Beneficiar MCT, Tema A15 Act additional 473/20.04.**1999/III**, 2 faze, Beneficiar ANSTI, **1997-1999, membru in echipa de cercetare - CCMMM.**

- Pn20. Senzori electrochimici pe baza de calixarene specifici cationilor metalelor grele, Act aditional 235/17.02.1999/I, Beneficiar ANSTI, **1999, membru in echipa de cercetare - CCMMM.**
- Pn21. Recunoastere moleculara si transport membranar de analogi nucleosidici, potentiali inhibitori ai revers transcriptazei virusului HIV, Tema B1 Act aditional 680/27.07.1998/III, Beneficiar MCT, Tema A4 Act aditional 653/31.05.1999/IV, Beneficiar ANSTI, **1998-1999, membru in echipa de cercetare - CCMMM.**

F – Alte lucrări de cercetare – dezvoltare

- F1 Raport de cercetare: **Dumitru Florina**, Matériaux hybrides adaptatifs pour membranes et biocapteurs sélectifs, Universitatea Politehnica Bucuresti-IEMM, Université de Montpellier II, France, Biblioteca de Chimie Univ. Politehnica din Bucuresti, cota T IV 16415 Nr. Inv. 729860/2004.

f) Comunicări științifice nepublicate (E)

E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, cu rezumat publicat

| | |
|------|--|
| E1. | Florina Dumitru, Anca Razvan, Functionalized mesoporous silicas (MCM-41, HMS) as heavy metal ions adsorbents, 21st Romanian International Conference on Chemistry and Chemical Engineering” (RICCCE XX1), Septembrie 2019 , Constanta, Romania. |
| E2. | Mihai Deleanu, Alina Nicolescu, Emeric Bartha, Florina Dumitru , Multinuclear MR characterization of some 2,6-pyridinediamides and their anion binding properties, 20 th Romanian International Conference on Chemistry and Chemical Engineering” (RICCCE XX), 6-9 Septembrie 2017 , Brasov, Romania. |
| E3. | D.F. Enache, F. Dumitru , A. Razvan, G. Nechifor, Polysulfone/Ag ⁰ - Nanocomposite Membranes, 19 th Romanian International Conference on Chemistry and Chemical Engineering” (RICCCE XIX), 3-5 Septembrie 2015 , Sibiu, Romania. |
| E4. | F. Dumitru , M.-D. Șerb, B. Braun, Structure and thermal behaviour of a new Zn ^{II} squarate complex, [Zn(HC ₄ O ₄) ₂ (OH ₂) ₄], 21 st Annual Conference of the German Crystallographic Society (DGK) 2013 rd , Freiberg, Germania, 19-22 martie 2013 , poster. |
| E5. | M.-D. Șerb, F. Dumitru , Very short intermolecular hydrogen bonds in a tren:hydrogen succinate salt, 21 st Annual Conference of the German Crystallographic Society (DGK) 2013 rd , Freiberg, Germania, 19-22 martie 2013 , poster. |
| E6. | M.-D. Șerb, F. Dumitru , Fe ₃ O ₄ nanoparticles coated with Zn(II)-carboxylato complexes, MATERIALS FOR TOMORROW, Goteborg, Suedia, 23-25 octombrie 2012 , poster. |
| E7. | F. Dumitru , A. Razvan, Zn(II), Co(II) and Fe(II) complexes of bis(phenylimines)pyridine immobilized on mesoporous silica, MATERIALS FOR TOMORROW, Goteborg, Suedia, 23-25 octombrie 2012 , poster. |
| E8. | F. Dumitru , Mesoporous organosilica with urea functionalized 4'-aminobenzo-15-crown-5-ether, Conferinta GDCh-Wissenschaftsforum Chemie 2011, 4-7 Septembrie 2011 , Bremen, poster. |
| E9. | F. Dumitru , Mesoporous materials based on silica, ”17 th Romanian International Conference on Chemistry and Chemical Engineering” (RICCCE XVII), Honorary Symposium Constantin LUCA - "pH on Membrane Materials and Processes”, 7-10 septembrie 2011 , Sinaia, prezentare orală. |
| E10. | Mihaela Alexie, Florina Dumitru , Liliana Pasăre, Daniela Rață, Alina Nicolescu, Calin Deleanu, Denisa Mânzu, Anton Ficăi, Anca Răzvan, Mihaela Șerb, Cornelia Guran, 2,6-pyridinediamides as anion recognition fixed sites in membranes <i>16th Romanian International Conference on Chemistry and Chemical Engineering, September 2009, poster, Sinaia, Romania</i> |
| E11. | Denisa Mânzu, Florina Dumitru , Anca Razvan, Anton Ficăi, Cornelia Guran, Synthesis and characterization of organo-substituted cyclophosphazene/silica composites, <i>16th Romanian International Conference on Chemistry and Chemical Engineering, September 2009, poster, Sinaia, Romania</i> |
| E12. | F. Dumitru , M. Giurginca, O. Micu, C. Guran, A. Razvan, N. Badea, Synthesis and characterization of potentially antimicrobial complexes of Zn(II) and Cu(II) with chlorhexidine as ligand, <i>16th Romanian International Conference on Chemistry and Chemical Engineering, September 2009, poster, Sinaia, Romania</i> |
| E13. | D. Manzu, L. Pasare, F. Dumitru , D. Rata, A. Razvan, C. Guran, Thin-layer composite membranes based on organosubstituted hexachlorocyclotriphosphazenes, 2nd Euchems Chemistry Congress, 16-21 September 2008 , Torino, Italia, VI.3.P020. |
| E14. | Mihaela Alexie, Florina Dumitru , Ticuta Negreanu-Pirjol, Denisa Manzu, Cornelia Guran, Synthesis and characterization of some new polydentates ligands- synthetic models of Fe(III)- and Mo(VI)- siderophores, <i>COLLOQUE FRANCO-ROUMAIN DE CHIMIE APPLIQUEE, COFrRoCA, 25-29 Juin 2008, Bacau, Roumanie” ISBN 9789731833774, L23</i> |
| E15. | Denisa Manzu, Ticuta Negreanu-Pirjol, Florina Dumitru , Mihaela Alexie, Cornelia Guran, Synthesis, characterisation and the biological activity of some Cr(III), Fe(III), Mn(II)-complexes of organo-substituted hexachlorocyclotriphosphazene, <i>COLLOQUE FRANCO-ROUMAIN DE CHIMIE APPLIQUEE, COFrRoCA, 25-29 Juin 2008, Bacau, Roumanie” ISBN 9789731833774, L60</i> |
| E16. | M. Alexie, F. Dumitru , T. Negreanu-Pirjol, D. Manzu, C. Guran, “Synthesis, characterization and biological activity of Fe(III) and Mo(VI)-synthetic siderophores complexes”, <i>2nd Euchems Chemistry Congress, 16-21 September 2008, Torino, Italia, P001, III.2</i> |
| E17. | Alina Nicolescu, Florina Dumitru , Cornelia Guran, Calin Deleanu, Multinuclear MR characterization of some mercapto-2,6-pyridinediamides and their anion binding properties, <i>Magnetic Resonance Conference EUROMAR-2008, July 6-11, 2008, St. Petersburg, Russia.</i> |
| E18. | F. Dumitru , M. Alexie, L. Pasăre, D. Rață, A. Nicolescu, C. Deleanu, D. Mânzu, A. Ficăi, A. Răzvan, Cornelia Guran, Membranes containing mercapto-2,6-pyridindiamides as anion recognition fixed sites, <i>The 4th IUPAC-Sponsored International Symposium on Macro- and Supramolecular Architectures and Materials: Synthesis, Properties and Applications,</i> |

| | |
|------|--|
| | 7-11 September 2008, Düsseldorf, Germany |
| E19. | F. Dumitru , A. Razvan, M. Serb, A. Ficai, C. Guran, Ion/Pair Extraction with Heteroditopic Receptors grafted onto Silica Surface, <i>The 4th IUPAC-Sponsored International Symposium on Macro- and Supramolecular Architectures and Materials: Synthesis, Properties and Applications</i> , 7-11 September 2008, Düsseldorf, Germany |
| E20. | Mirela Calinescu, Ticuta Negreanu-Pirjol, Florina Dumitru , Octavian Calinescu, Antimicrobial copper(II) complex compounds with nitrogen donor ligands, <i>4th International Conference on Metals and Genetics</i> , Paris, 21-24 July 2008 |
| E21. | Mirela Calinescu, Ticuta Negreanu-Pirjol, Florina Dumitru , Alina Dumitrache, Rodica Georgescu, Octavian Calinescu, Synthesis, characterization and antimicrobial activity of new copper(II) complex compounds with chlorhexidine, <i>6th International Copper Meeting – Copper and related Metals in Biology</i> , Alghero, Sardinia-Italy, October 11-15, 2008 |
| E22. | Legrand Y.-M., Dumitru F. , van der Lee A., Barboiu M. D, Self-Optimizing Charge Transfer Energy Phenomena in Metallo-supramolecular Complexes by Dynamic Constitutional Self-Sorting, <i>3rd International Symposium on Macrocyclic & Supramolecular Chemistry (ISMSC)</i> , Las Vegas, USA, 13-18 July 2008 |
| E23. | F. Dumitru , A. Razvan, M. Șerb, A. Ficai, C. Guran, Immobilized Crown Ethers in Nanostructured Inorganic Matrix for Ion Pair Selective Extraction, International Soft Matter Conference-Eurogress Aachen, Germania, 1-4 oct. 2007 poster. |
| E24. | F. Dumitru , A. Razvan, M. Șerb, A. Ficai, C. Guran, Mesoporous molecular sieves (MCM-41) functionalized with crown ethers for ion pair extraction, Second International Symposium, Advanced micro- and mesoporous materials, September 6-9, 2007, Varna, Bulgaria, poster. |
| E25. | Mihaela Alexie, Florina Dumitru , Denisa Manzu, Cornelia Guran, New synthetic receptors for anions: Mercapto-2,6-pyridinediamides, Romanian International Conference on Chemistry and Chemical Engineering, RICCCCE XV, 2007, Sinaia, Romania (ISBN: 978-973-718-785-7) |
| E26. | Denisa Manzu, Ioana Viezure, Anca Razvan, Florina Dumitru , Cornelia Guran, Preparation and characterization of gas-separation phosphazene membranes, Romanian International Conference on Chemistry and Chemical Engineering, RICCCCE XV, 2007, Sinaia, Romania (ISBN: 978-973-718-785-7) |
| E27. | Denisa Manzu, Liliana Pasare, Daniela Rata, Mihaela Alexie, Florina Dumitru , Anca Razvan, Cornelia Guran “ <i>Prepararea și caracterizarea unor membrane hibride organo-anorganice cu schelet fosfazenic</i> ” Simpozionul National de Biomateriale- Biomateriale si Aplicatii Medico-Chirurgicale” editia a VI-a, Romania, Cluj-Napoca, 2007, (ISBN 978-973-610-607-1), Presa Universitara, L28, comunicare |
| E28. | Mihaela Alexie, Alexandra Grigore, David Savoiu, Denisa Manzu, Florina Dumitru , Cornelia Guran “ <i>Sinteza și caracterizarea unor noi siderofori sintetici pentru Fe(III) și Mo (VI)</i> ” Simpozionul National de Biomateriale- Biomateriale si Aplicatii Medico-Chirurgicale” editia a VI-a, Romania, Cluj-Napoca, octombrie 2007, (ISBN 978-973-610-607-1), Presa Universitara, L10, comunicare |
| E29. | One dynamic motif for a variety of adaptative applications, Yves-Marie Legrand, Florina Dumitru , Arie Van der Lee, Mihail Barboiu, <i>International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC) 2006</i> , Victoria, Canada, July, 2006 |
| E30. | A. van der Lee, F. Dumitru , Y.-M. Legrand and M. Barboiu, Constitutional dynamic self-amplification in double-helix imine systems, <i>Acta Cryst.</i> (2005). A61, C359. (ISSN: 0108-2701) |
| E31. | Constitutional dynamic self-amplification in the dynamic terpyridine combinatorial libraries, Mihail Barboiu, Florina Dumitru , Yves-Marie Legrand, Arie Van der Lee, <i>XXX International Symposium on Macrocyclic Chemistry (ISM)</i> , Dresden, July 17-21, 2005. |
| E32. | A double-level combinatorial approach toward heteroduplex metallosupramolecular terpyridine-type architectures, Florina Dumitru , Eddy Petit, Arie van der Lee, Mihail Barboiu, <i>XXX International Symposium on Macrocyclic Chemistry (ISM)</i> , Dresden, July 17-21, 2005. |
| E33. | Towards intelligent dynamic combinatorial libraries: study of orthogonal two-level exchange of metal complexes, Yves-Marie Legrand, Florina Dumitru , Arie Van der Lee, Mihail Barboiu, <i>XXX International Symposium on Macrocyclic Chemistry (ISM)</i> , Dresden, July 17-21, 2005. |
| E34. | Constitutional dynamic self-amplification in double-helix imine systems, Arie Van der Lee, Florina Dumitru , Yves-Marie Legrand, Mihail Barboiu, <i>XX Congress of the International Union of Crystallography</i> , Florence, Italy, August 23-31, 2005. |
| E35. | Y.M. Legrand, F Dumitru , A. van der Lee, M. Barboiu, Towards intelligent dynamic combinatorial libraries: study of orthogonal two-level exchange of metal complexes, <i>ESF Research Conferences: Supramolecular Chemistry. Molecular Architectures and Systems</i> , Obernai, France 14-19 Octobre 2005, poster. |
| E36. | S. Pasolescu, E. Bacu, F. Dumitru , C. Guran, Biologically active complex compounds with phenothiazine derivatives as ligands, <i>4th International Conference of the Chemical Societies of the South-Eastern European Countries on Chemical Sciences in Changing Times: Visions, Challenges and Solutions</i> , Belgrad, iulie 2004 |
| E37. | M. Serb, F. Dumitru , M. Bicher, C. Guran, Design of new mono- and polynuclear squarate-complexes, <i>4th International Conference of the Chemical Societies of the South-Eastern European Countries on Chemical Sciences in Changing Times: Visions, Challenges and Solutions</i> , Belgrad, iulie 2004 |
| E38. | M. Serb, F. Dumitru , C. Guran « Design of new heteropolynuclear squarate-complexes », <i>Proceedings of the 13th Romanian International Conference on Chemistry and Chemical Engineering</i> , Bucharest, Romania, 2003. |
| E39. | Ticuta Negreanu-Pirjol, Cornelia Guran, Rodica Sirbu, F. Dumitru , Maria Giurginca, Synthesis and Characterization of Some d and f Metal Complex Compounds with Biological Activity, <i>4th International Conference of PhD Students</i> , University of Miskolc, Hungary, 11-17 August 2003, poster 14.15. |

| | |
|------|--|
| E40. | F. Dumitru , V. Marin, S. Udrea, C. Guran, Redox-responsive receptors derived from 4 ¹ -aminobenzo-15-crown ether, <i>35th International Conference on Coordination Chemistry, July 2002, Heidelberg, Germany</i> , poster 5.047. (ISSN: 1387-7003/ ISSN: 0010-8545) |
| E41. | S. Pasolescu, T. Nicolaie, F. Dumitru , E. Bacu, C. Guran, Biologically active complex compounds with heterocyclic derivatives, <i>35th International Conference on Coordination Chemistry, iulie 2002, Heidelberg, Germania</i> .(ISSN: 1387-7003/ ISSN: 0010-8545) |
| E42. | S. Pasolescu, A.Rus, T. Negreanu Pirjol, F. Dumitru , E. Bacu, C. Guran, Antibacterial action studies on phenothiazine and acridine complex compounds, <i>3rd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemistry in the New Millennium-an Endless Frontier, 22-25 septembrie, 2002, Bucharest, Romania</i> |
| E43. | F. Dumitru , V. Marin, A. Fica, C. Guran, Electrochemical recognition of K ⁺ by redox-active crown ethers, <i>3rd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemistry in the New Millenium - an Endless Frontier, 22-25 September, 2002, Bucharest, Romania</i> , poster 176. |
| E44. | I. Viezure, F. Dumitru , L. Pasare, V. Marin, C. Guran, Sinteza unui nou monomer ciclofosfazenic cu grupari laterale Si(OEt) ₃ , <i>Al 7-lea Simpozion de Chimia Suprafetelor si Chimie Coloidala, Bucuresti, Romania, septembrie 2002</i> . |
| E45. | T. Negreanu-Pirjol, A. Dinca, L. Carpus, F. Dumitru , C. Guran, "Biological action studies on biguanide-based complexes", <i>12th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, Romania, September 2001</i> . (ISBN 973-652-381-0). |
| E46. | D. Berger, A. Gheorghe, F. Dumitru , C. Guran, "Ln-Cu-M(II)-H ₂ C ₂ O ₄ heteropolynuclear compounds as mixed oxide precursors", <i>12th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, Romania, September 2001</i> (ISBN 973-652-381-0). |
| E47. | F. Dumitru , M. Barboiu, A. Rus, S. Udrea, C. Guran, "Ni(II) and Cu(II) complexes with polydentate urea-based ligand", <i>Zilele Academice Timisene, ed. a VII-a, 24-25 Mai, 2001</i> . |
| E48. | A. Rus, M. Giurginca, D. Mihaescu, F. Dumitru , C. Guran, "Luminescence properties studies on complexes of some 4f metals with 3,6-diaminoacridine", <i>Zilele Academice Timisene, ed. a VII-a, 24-25 Mai, 2001</i> . |
| E49. | F. Dumitru , D. Berger, N. Stanica, I. Ciocoiu, C. Guran, "A rational design of Heteropolynuclear squarate-containing complexes", <i>34th International Conference on Coordination Chemistry, iulie 2000, Edinburgh, Marea Britanie</i> .(ISSN: 1472-7773, indexata ISI - http://scientific.thomson.com/products/proceedings/) |
| E50. | G. B. Caraman, F. Dumitru , Z. Delbederi, C. Guran, "Strategies for the synthesis of new materials based on squarate-substituted phosphazenes and d or f metals", <i>International Symposium on Inorganic Rings (IRIS IX), iulie 2000, Saarbrucken, Germania</i> |
| E51. | F. Dumitru , M. Andrei, G. B. Caraman, I. Druta, C. Guran, "Transition metal complexes with oligopyridine derivatives I. Ethyl 3-benzoyl-5-(2'-pyridyl)-indolizine-1-carboxylate as ligand in the coordination chemistry of Fe(III), Cr(III) and Cu(II)", <i>2nd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemical Sciences for Sustainable Development, 6-9 June 2000, Halkidiki, Grecia</i> |
| E52. | F. Dumitru , M. Bărboiu, Z. Delbederi, G.B. Caraman, G.Popescu, C.Guran, "Complexes of some 3d metals with urea-based ligands", <i>International Conf. of Chemistry and Chem. Engineering, Xth edn., Bucharest, Romania, 30 sept- 2 oct 1999</i> . |
| E53. | F. Dumitru , T. Negreanu-Pirjol, L. Carpus, M. Andrei, I. Druta, C. Guran, "Synthesis, physicochemical characterization and biological activity studies of transition metal complexes with indolizine derivative", <i>1st National Meeting of the Romanian Society of Biochemistry and Molecular Biology, 19 sept. 2000, Bucuresti, Romania</i> |
| E54. | G. B. Caraman, A. G. Bene, F. Dumitru , Z. Delbederi, C. Guran, "Synthesis and biological activity of metal complexes containing squarate-substituted cyclophosphazatriene as ligand", <i>1st National Meeting of the Romanian Society of Biochemistry and Molecular Biology, 19 sept. 2000, Bucharest, Romania</i> |
| E55. | G.B. Caraman, M. Bărboiu, F. Dumitru , Z. Delbederi, C.Guran, "Complexes of palladium with macrocyclic polytopic ligands containing thiadiazole moieties", <i>International Conference of Chemistry and Chemical Engineering, XIth edn., Bucharest, Romania, 30 sept- 2 oct 1999</i> . |
| E56. | M. Bărboiu, C.Manea, F.Dumitru , G.Popescu, "New organic-hybrid materials used in membrane field", <i>International Conference of Materials Science and Engineering "BRAMAT 1999, Romania, February 1999</i> . |
| E57. | G.B. Caraman, M.Bărboiu, F. Dumitru , Z. Delbederi, "Molecular recognition and transport of L-phenylalanine through liquid membranes using polytopic receptors"- <i>National Symposium of Cosmetics, Iasi, Romania, 1-4 June 1999</i> . |
| E58. | F. Dumitru , M. Bărboiu, Z. Delbederi, G.B. Caraman, G.Popescu, "Synthesis of new derivatives of macrocyclic polyether 4 ¹ -amino-benzo-15-crown-5", <i>XXVth National Session of Scientific Papers, Vâlcea, Romania, 6-8 oct. 1999</i> . |
| E59. | M. Bărboiu, C. Guizard. N.Hovnanian, F. Dumitru , Z. Delbederi, "Multiple molecular recognition for L-phenylalanine in fixed-site complexant membranes", <i>Xth International Symposium on Molecular Recognition and Inclusion, Poland, June 1998</i> . (ISSN: 0039-9140, indexata ISI - http://scientific.thomson.com/products/proceedings/) |