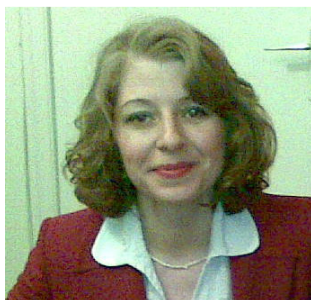


## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s)

**Furduliu Bianca**

Address(es)

Domneasca 47, Galati, 800008

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[bfurduliu@yahoo.com](mailto:bfurduliu@yahoo.com), [bfurduliu@ugal.ro](mailto:bfurduliu@ugal.ro)

Nationality

romanian

Date of birth

19.06.1974

### Desired employment / Occupational field

**Dunarea de Jos University of Galati/Organic Chemistry, Biochemistry, Food Chemistry, Biotechnology**

Competences in organic chemistry, synthesis, structural and functional analysis for nitrogen heterocyclic compounds, analysis of natural extracts, study of biological active organic compounds, characterisation of organic compounds using spectral techniques (UV-VIS, IR, RMN), HPLC chromatography, mass spectrometry, food chemistry; biochemistry

### Work experience

Dates

23.02.2004-present  
22.02.1998- 22.02.2004

Occupation or position held

Lecturer  
Assistant

Main activities and responsibilities

Teaching and research activities in field of Organic Chemistry, Biochemistry, Food Chemistry, Environmental chemistry and Toxicology

Name and address of employer

"Dunarea de Jos" University of Galati, Domneasca 47, 800008

Type of business or sector

Educational and Research

### Education and training

Dates

- Jan-Dec 2011  
- 2009-2011  
- 2003 -2006  
- 1999-2006  
- 1997 - 1998  
- 1992 - 1997  
- 1988 - 1992

Title of qualification awarded	<ul style="list-style-type: none"> <li>- Diploma of "Postdoctoral school of applied biotechnologies with impact on romanian bioeconomy"</li> <li>- Master degree in Monitoring and Environmental Management</li> <li>- PhD in organic chemistry</li> <li>- PhD in chemistry</li> <li>- Master Degree in Physics and Chemistry</li> <li>- Licentiate in chemistry</li> <li>- Diploma of school-leaving examination</li> </ul>
Principal subjects/occupational skills covered	Synthesis and structural and functional analysis of nitrogen heterocyclic compounds, microbiological analysis, natural extracts analysis, study of biological actives compounds, organic compounds characterization by spectral techniques,(UV-VIS, IR, NMR), HPLC, mass spectrometry, biotechnology, elaboration of scientific works.
Name and type of organisation providing education and training	<ul style="list-style-type: none"> <li>-University Dunarea de Jos of Galati</li> <li>-University Dunarea de Jos of Galati</li> <li>-University J. Fourier, Grenoble 1, France</li> <li>-Al. I. Cuza University Iasi, Romania</li> <li>-"Dunărea de Jos" University, Galati</li> <li>-"Dunărea de Jos" University, Galati</li> <li>-"V. Alecsandri" College, Galati</li> </ul>

**Personal skills and competences**

**Other language(s)**

Self-assessment  
European level (\*)

**Language**  
**Language**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
En	B2	En	B2	En	B1	En	B2	En	B2
Fr	B2	Fr	B2	Fr	B2	Fr	B2	Fr	B2

(\*) [Common European Framework of Reference for Languages](#)

**Technical skills and competences**

March 2008 – training for HPLC-MS system Finnigan-Thermo-Fischer Scientific; February 2005-competence for RMN Bruker AV300 Spectrometer

**IT competences**

Knowledge of Windows, Microsoft Office, Chemwind, ChemDraw, Isis Draw and Internet navigation; possessing of ECDL-start certificate

**Social skills and competences**

Sociable, team work competent

**Membership:**

- Starting with 2006 member of Research Platform "**Biotechnology Applied In Food Industry - Integrated Center For Research And Education – Bioaliment**", CNCSIS 62
- Starting with February 2009 member of "**European Centre of Excellence for the Environment**" of „Dunărea de Jos" University of Galati, RO/97/04
- September 2006-February 2009 member of Research Centre "Centre of nanostructures and functional materials – CNMF" of „Dunărea de Jos" University of Galati, certified CNCSIS nr. 11 from 12.09.2006
- Starting with 21.12.2000 member al Romanian Society of Chemistry
- Starting with 2007 member of the Romanian Society of Biotechnology and Bioengineering (RSBB), which is affiliated to the European Federation of Biotechnology (EFB);
- Starting with July 2008 member of the Applied Biotechnology Association (ASBA)

<b>Fellowships/grants:</b>	<p>May 2012 – research stage at D.P.M., University Joseph Fourier, Grenoble, France</p> <p>Iunie-Iulie 2011 – postdoctoral research stage, at D.P.M., University Joseph Fourier, Grenoble, France POSDRU/89/1.5/S/52432 Postdoctoral Grant,</p> <p>August 2010 – teaching mobility Erasmus/Socrates at Università degli Studi di Camerino, Italia</p> <p>December 2005 – September 2004: research stage for PhD, at L.E.D.S.S., University Joseph Fourier, Grenoble, France</p> <p>2003, July: research stage at L.E.D.S.S., University Joseph Fourier, Grenoble, France, bilateral collaboration Brancusi Ro/24</p> <p>1998, 6<sup>th</sup>-18<sup>th</sup> of July: Francophone Summer School, „Glicobiology, Glicopathology and Glicotechnology”, University „Al. I. Cuza”, Iassy, Romania</p>
<b>Additional information</b>	<p>References:</p> <p>Dr. Ahcene Boumendjel – DPM, University „Joseph Fourier” Grenoble, 38041 Grenoble, cedex 9, France</p> <p>Dr. Martine Demeunynck – University „Joseph Fourier” Grenoble, 38041 Grenoble, cedex 9, France</p>
<b>Annexes</b>	List of publications

## ANEXES

### COMPLETE LIST OF PUBLISHED AND ELABORATED SCIENTIFIC CONTRIBUTIONS

#### A. PhD THESIS

1. **Furdui, B.**, 2006, *Synthesis in bipyridil class. Study of their interaction with DNA*, Al. I. Cuza University, Iassy codirection with University Joseph Fourier, Grenoble, France.

#### B. BOOKS

##### [B1] Author

##### [B2] Coauthor

1. Zgherea, Ghe., Dima, Șt., Dinică, R., **Furdui, B.**, *Teste de chimie organică pentru concursul de admitere în învățământul superior*, ediția a VI-a revizuită și completată, Ed. Fundației Universitare „Dunărea de Jos”, Galati, 2012, 218 pag, ISBN 978-973-627-486-2

2. Zgherea, Ghe., Dima, Șt., Dinică, R., **Furdui, B.**, *Teste de chimie organică pentru concursul de admitere în învățământul superior*, ediția a VI-a revizuită și completată, Ed. Fundației Universitare „Dunărea de Jos”, Galati, 2011, ISBN 978-973-627-478-7, 209 pag

3. **Furdui, B.**, Dinică, R., Georgescu, M., 2010, *Chimie organică. Noțiuni teoretice și practice*, Galati University Press, ISBN 978-606-8008-75-2, 563 pag

4. Florea T, **Furdui, B.**, Dinică, R., Crețu R., 2009, *Chimie organică. Sinteză și analiză funcțională*, Ed. Academica, Galati, ISBN 978-973-8937-56-7, 258 pag

5. Zgherea, Ghe., Dima, Șt., Dinică, R., **Furdui, B.**, 2009, *Teste de chimie organică pentru concursul de admitere în învățământul superior*, Ed. Fundației Universitare „Dunărea de Jos”, Galati, ISBN 978-973-627-445-9, 209 pag

6. Florea, T., Dinică, R., Crețu, R., **Furdui, B.**, 2006, *Chimie Organică. Lucrări Practice și Probleme*, Ed. Academica, Galati, (10) 973-8937-14-0, (13) 978-973-8937-14-7, 220 pag.

7. Georgescu, M., Dinică, R., **Furdui, B.**, 2004, *Lucrări Practice de Chimie Organică Preparativă*, Ed. Fundației Universitare „Dunărea de Jos”, Galati, ISBN 973-727-144-7, 102 pag.

#### C. PUBLISHED PAPERS

##### [C1] ISI published papers\*:

1. Parfene G., Ghinea I. O., **Furdui B.**, Bahrim G., Dinica R. M., 2013, Screening and Biocatalytic Activity of Microbial Cells From Fungal Strains in Cycloaddition Processes, *Current Opinion in Biotechnology*, Volume 24, Supplement 1, Pages S1-S144 (July 2013), <http://dx.doi.org/10.1016/j.copbio.2013.05.153>, F.I. 3,25 <http://www.sciencedirect.com/science/article/pii/S095816691300269>

2. Doléans-Jordheim A., Veron J.-B., Fendrich O., Bergeron E., Romans A. - M., Y.-Si. Wong, **Furdui B.**, Freney J., Dumontet C., Boumendjel A., 2013, 3-Aryl-4-methyl-2-quinolones Targeting Multiresistant *Staphylococcus aureus* Bacteria, *ChemMedChem*, 8(4), 652–657, ISSN: 1860-7187, F.I. 3.151, DOI: 10.1002/cmcd.201200551
3. Dinica R. M., **Furdui B.**, Ghinea I.O., Bahrim G., Bonte S., Demeunynck M., 2013, Novel One-Pot Green Synthesis of Indolizines Biocatalysed by *Candida antarctica* Lipases, *Marine drugs*, 11(2), 431-439, EISSN 1660-3397, F.I. 3.854, A.I.S. 1.82412, DOI:10.3390/md11020431
4. **Furdui B.**, Dinică R., Tăbăcaru A., Pettinari C., 2012, Synthesis and physico-chemical properties of a novel series of aromatic electron acceptors based on N-heterocycles, *Tetrahedron*, 68(31), 6164-6168, ISSN: 0040-4020, F.I. 3.025, A.I.S. 1.53892, DOI 10.1016/j.tet.2012.05.077
5. **Furdui B.**, Constantin O., Tăbăcaru A., Dinică R. M., 2012, New Bis-Pyridinium Diquaternary Salts with Antimicrobial Properties, *REV. CHIM.* (Bucharest), 63, No. 7, 667-671, ISSN 0034-7752, FI 0.599, AIS 0,1258, <http://www.revistadechimie.ro/pdf/FURDUI%20B.pdf%207%2012.pdf>
6. Yeo D., Dinică R., Yapi H. F., **Furdui B.**, Preisler M., Djaman A.J., N'Guessan J.D., 2011, Evaluation of the Anti-inflammatory Activity and Phytochemical Screening of *Annona senegalensis* Leaves, *Therapie*, vol.66, No. 1, 73-80, ISSN: 0040-5957, F.I. 0.421, A.I.S. 0.103, EDP SCIENCES SA, DOI 10.2515/therapie/2010076
7. Leontie L., Druta I., **Furdui B.**, Nica V., Rusu G.I., 2009, Electrical d.c. conduction mechanism in some newly synthesized mono- and dipyrindine quaternary salts in thin films, *Synthetic Metals* vol.159, No. 17-18, 1831–1836, ISSN: 0379-6779, F.I. 1,962, ELSEVIER, [www.elsevier.com/locate/synmet](http://www.elsevier.com/locate/synmet).
8. Aluculesei, A., **Furdui B.**, Vlahovici, AL., Dorohoi, D.O., 2008, Pure electronic transition of n-methyl-4[1-(ethoxycarbonyl)-3 (methoxy carbonyl-indolizin-7-yl)-pyridinium iodide, *Optoelectronics And Advanced Materials – Rapid Communications*; Vol. 2, No. 6, 371 – 373, ISSN: 1842-6573, Editat de National Institute of Optoelectronics and National Institute of Material Physics
9. Dinică, R., **Furdui B.**, Bahrim, G., Demeunynck, M., 2008, Precursseurs de Nouveaux Heterocycles avec interet biologiques, *Revue Roumaine de Chimie*; 53(1), 21-24, ISSN: 0035-3930, F.I. 0.26, EDITURA ACADEMIEI ROMANE, AN 2008:131045 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))
10. **Furdui B.**, Dinică, R., Demeunynck, M., Druță, I., 2008, Structural investigations of substituted indolizine derivatives by NMR studies, *Romanian Journal of Physics*, 53 (1-2), pg. 343-357, ISSN: 1221-146-x, EDITURA ACADEMIEI ROMÂNE
11. **Furdui B.**, Dinică, R., Demeunynck, M., Druță, I., Vlahovici, A., 2007, *New reactive pyridinium indolizines fluorophores*, *Revue Roumaine de Chimie*, 52(7), 633-637, ISSN: 0035-3930, F.I. 0.208, EDITURA ACADEMIEI ROMANE, AN 2008:131045 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R)).
12. Leontie, L., Druță, I., **Furdui B.**, Rusu, G. I., 2007, On the mechanism of the electrical conduction in some new quaternary salts of bipyridine and indolizine pyridine thin films, *Progress in Organic Coatings* 58:303-311, ISSN 0300-9440, F.I. 1.591, [www.elsevier.com/locate/orgcoat](http://www.elsevier.com/locate/orgcoat), ELSEVIER, CAN 148:66767 AN 2007:267521 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R));
13. **Furdui B.**, Bahrim, G., Dinică, R., Druță, I., Demeunynck, M., 2007, In Vitro Antimicrobial Activity of New Nitrogen Heterocycles, *Roumanian Biotechnological Letters*, 12 (1), pg. 3073-3078, ISSN 1224-5984, F.I. 0.152, A.I.S. 0, Edited by Ars Docendi, Bucuresti, CAN 147:465024 AN 2007:359287 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R), IDS Number: 284OJ
14. **Furdui B.**, Dinică, R., Druță, I., Demeunynck, M., 2006, Improved Synthesis of Cationic Pyridinium-Substituted Indolizines, *Synthesis*, 16:2640-2642, ISSN: 0039-7881, F.I. 2.333, GEORG THIEME VERLAG KG, CAN 145:454920 AN 2006:920113 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R));

#### [C2]. BDI published papers\*

1. Lupoe M., Dinică R., Furdui B., Lupoe P., Study on the content of active principles of some native plants with effect in making the stability and thermal resistance to fried sunflower oil, 2012, *Annals – Series on Biological Sciences*, Academy of Romanian Scientist, 1(2), ISSN 2285-4169, pg. 74-92, B+ CNCSIS category
2. **Furdui B.**, O. Constantin, R. Dinică, G. Bahrim, 2011, Studies On Antimicrobial Activities Of Some New Bis-Pyridinium Derivatives, *Analele Universității Dunărea de Jos din Galați, Fascicula VI – Food Technology*, no 2, 35(2), 66-73, [http://www.ann.ugal.ro/tpa/ft\\_2011\\_no\\_2.htm](http://www.ann.ugal.ro/tpa/ft_2011_no_2.htm)
3. **Furdui B.**, Dinică R, Lupoe M, Romică C., 2010, Effect Of Some Natural Herbs Incorporation in Sunflower Oils on its Resistance to Frying Temperatures, *Food and Environment Safety*, IX, nr. 4, pg. 61-66, ISSN 2068-6609, Publishing House Stefan cel Mare University, Suceava, Romania, IndexCopernicus: <http://journals.indexcopernicus.com/>, B+ CNCSIS category
4. Dinică R, Lupoe M, **Furdui B.**, Coprean D., 2010, Quantitative Determination of Polyphenolic Compounds From The Crude Extracts of *Allium*, *Alliaria* and *Urtica Genus*. A Comparative Study, *Food and Environment Safety*, IX, nr. 4, pg. 85-89, ISSN 2068-6609, Publishing House Stefan cel Mare University, Suceava, Romania, IndexCopernicus: B+ CNCSIS category
5. Lupoe M, **Furdui B.**, Dinică R, Coprean D., 2010, Quantification of carotenoids and chlorophyll leaf pigments from autochthones dietary plants, *Food and Environment Safety*, IX, nr. 4, pg. 42-47, ISSN 2068-6609, Publishing House Stefan cel Mare University, Suceava, Romania, IndexCopernicus:<http://journals.indexcopernicus.com>, B+ CNCSIS category
6. Bunea A, Dinică R, **Furdui B.**, Lupoe M, 2010, Studies on Plant Biomass in Various Stages of Degradation, *Food and Environment Safety*, IX, nr. 4, pg. 108-111, ISSN 2068-6609, Publishing House Stefan cel Mare University, Suceava, Romania, IndexCopernicus: <http://journals.indexcopernicus.com/>, B+ CNCSIS category

7. Dinică R, **Furdui B**, Cârâc G., Stanciu C., Fluorescent N-Heterocycles Via One-Pot Tandem Reactions, *Chemistry Journal of Moldova. General, Industrial and Ecological Chemistry.*, 4 (2), 2009, 84-86, ISSN 1857-1727, Edited by The Chemical Society of Moldova, [www.cjm.asm.md](http://www.cjm.asm.md)

8. **Furdui, B.**, Radu, R. D., 2003, Recovery and physicochemical study of essential oil of *Artemisia absinthium*, *Revista de Fizică și chimie*, 38 (1-2-3), pg. 1-7, Societatea de Științe Fizice și Chimice din România, CAN 139:385837, AN 2003:347171, CAPLUS.

### [C3] Papers published in CNCSIS recognized journals

1. Dodehe Yeo, Dinică, R, **Furdui, B.**, Preisler, M., 2008, TLC and UV/VIS Identification of Flavonoids from *Anona Senegalensis* Leaves, *The Annals of „Dunărea de Jos” University of Galați, Fascicle II, New Series*, Decembrie 2008.

2. **Furdui, B.**, Dinică, R., Georgescu, M., 2005, Physico-chemical Study of Etheric Oils from *Artemisia Absinthium*, *Analele Universității Ovidius Constanța*, 16(1), ISSN 1223 7221, pg. 193-195.

3. Georgescu, M., **Furdui, B.**, Dinică, R., Georgescu, O., 2000, Physico-chemical Study of Folic Acid from Some Vegetables, *Analele Universității Ovidius Constanța*, 11(1), ISSN 1223 7221, pg. 22-24.

### [C4] Papers published in national speciality journals

1. Florea, T., Costin, G.M., **Furdui, B.**, 1999, Principii nutritive și căi de realizare a formulelor pentru alimentația sugarilor, *Buletinul de Informare pentru Industria Laptelui*, vol. II, Nr. 1-2, pag.1-19

## D. Papers/Studies published in volumes of international and national symposiums (with ISSN sau ISBN)

### [D1] Papers published in works of the international symposiums

1. Dinica R., **Furdui B.**, Ghinea O., *Une synthese facile et efficace “one pot” des derives indoliziniques en milieu de reaction ecologique*, Septième Colloque Franco-Roumain de Chimie Appliquée - COFrRoCA – 2012, 27 – 29 Juin 2012, Bacău, Roumanie, <http://cisapm.inginerie.ub.ro/evenimente/83-cofroca-2012>

2. Tăbăcaru I., Gurău G., **Furdui B.**, Dinică R. M., *Etudes sur l'activité antimicrobienne des nouveaux sels diquatéraux de bis-pyridinium*, Septième Colloque Franco-Roumain de Chimie Appliquée - COFrRoCA – 2012, 27 – 29 Juin 2012, Bacău, Roumanie <http://cisapm.inginerie.ub.ro/evenimente/83-cofroca-2012>

3. Parfene G., **Furdui B.**, Lupoe M., Dinică R. M., *Cellules vegetales utilisees comme biocatalyseurs dans les reactions*, Actes du septieme colloque franco-romain de chimie appliquee, 27-29 iunie 2012, Bacău, <http://cisapm.inginerie.ub.ro/evenimente/83-cofroca-2012>

4. Dinică, R., **Furdui, B.**, G.Carac, C.Stanciu, 2008, *Fluorescent N-Heterocycles Via One Pot Tandem Reactions* 5-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA), Bacău, 22-26 June 2008, ISBN:973-8392-36-5, indexare: CAN 143:266794, AN 2004:1043739, CAPLUS

5. Dinică, R., **Furdui, B.**, Demeunynck, M., Bouffier, L., 2004, *Precurseurs de nouveaux heterocycles a interet biologique*, 3-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA), Bacău, 22-26 september, ISBN:973-8392-36-5, indexare: CAN 143:266794, AN 2004:1043739, CAPLUS

6. Georgescu, M., Dinică, R., **Furdui, B.**, Koprivekc, D., 2004, *Determination de la concentration des tocopherols dans certaines cereales autochtones*, 3-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA), Bacău, 22-26 september, ISBN:973-8392-36-5, indexare: CAN 143:192777, AN 2004:1043825, CAPLUS

### [D2] Papers published in works of the symposiums with international participation

1. Lupoe M., Dinică R., Furdui B., 2010, Polyphenolic Compounds From Wild Garlic Extracts, *Conferința internațională de științe aplicate. chimie și inginerie chimică – CISA – 2010*, 8 – 11 aprilie 2010, Slănic Moldova – Bacău, ISSN 2066-7817, pag. 179-181

2. Dinică, R., Crețu, R, **Furdui, B.**, Florea, T., 2005, Research on the Antioxidant Effect of Indolisines Derivatives, *Papers of International Symposium Euro-Aliment*, Galați, 29-30 september, ISBN:973-8316-87-1.

3. Georgescu, M., Dinică, R., **Furdui, B.**, 2003, Separarea, identificarea și dozarea unor componente biologice active din cereale, *Lucrările Simpozionului Internațional Euro-Aliment*, Galați, 23-25 octombrie, ISBN:973-8316-68-5, pag. 623-625.

### [D3] Papers published in works of the national symposiums

1. Dinică, R., Crețu, R, **Furdui, B.**, Florea, T., 2005, *Research on the Antioxidant Effect of Indolisines Derivatives in Vegetables Oils*, Al VIII-lea Simpozion de Chimia Coloizilor și Suprafețelor, Galați, 2-4 iunie, ISBN:973-8316-84-7, pag. 190-193.

### [D4] Studies published as abstracts in volumes of international scientific manifestations

1. Parfene G., Ghinea I. O., Dinica R., **Furdui B.**, G Bahrim., S. Bonte, M.Demeunynck, 2013, Using Small Molecules To Target Spoilage Microorganisms From Food Industry, *6<sup>th</sup> International EuroAliment Symposium – Around Food*, Galați, 3-5 Octombrie

2. Cioroi M., Tutunaru D., Georgescu C., **Furdui B.**, 2013, Vitamin B6 in Food and Physiological Importance, *6<sup>th</sup> International EuroAliment Symposium – Around Food*, Galati, 3-5 Octombrie
3. Ghinea I. O., **Furdui B.**, Parfene G., Bahrim G., Dinica R. M., 2013, 1,3-Dipolar Cycloadditions Catalyzed By Horseradish Enzymes, *IUPAC, 44<sup>th</sup> World Chemistry Congress*, 11-16 August, Istanbul, <http://www.iupac2013.org>
4. **Furdui B.**, Ghinea I. O., Gosav S., Dinica R. M., 2013, Synthesis And Photophysics Of Some New Indolizines Fluorophores, *IUPAC, 44<sup>th</sup> World Chemistry Congress*, 11-16 August, Istanbul, <http://www.iupac2013.org>
5. Ghinea I. O., Parfene G., Dinica R.M., Furdui B., Bahrim G., Bonte S., Demeunynck M., 2013, Combined Action of Enzymes and Ultrasounds: the First "One-Pot" Cycloaddition Reaction for Indolizine Synthesis, *2nd International Symposium on Green Chemistry: Renewable Carbon and Eco-efficient Processes (ISGC2)*, May 21-24th, 2013, La Rochelle, France, [www.isgc2013.com](http://www.isgc2013.com)
6. Dinică R., **Furdui B.**, Parfene G., Bahrim G., 2012, A one-pot synthesis of substituted bis-indolizines using microbial cells, *The 13<sup>th</sup> Tetrahedron Symposium – Challenges in Bioorganic & Organic Medicinal Chemistry*, Amsterdam, 26-29 June
7. Parfene G., Ghinea I. O., **Furdui B.**, Bahrim G., Dinica R. M., 2013, Screening and Biocatalytic Activity of Microbial Cells From Fungal Strains in Cycloaddition Processes, *European Biotechnological Congress*, 16-18 May, Bratislava, Slovakia, <http://www.eurobiotech2013.eu>
8. Dinica R. M., **Furdui B.**, Cârâc G., Electrochemical Behavior in aprotic medium of pyridinium salt, 2012, *Third Regional Symposium on Electrochemistry South-East Europe*, 13-17 mai, București
9. **Furdui B.**, Constantin O., Dinică R., 2011, Nouveaux composés antimicrobienne avec structure de bis-pyridinium, *1<sup>ere</sup> Journée Scientifique du Médicament: Nouvelles Stratégies Thérapeutiques*, 23 Iunie 2011, Grenoble, Franța, <http://dpm.ujf-grenoble.fr/jsm>
10. **Furdui B.**, Cârâc G., Dinică R., Bahrim G., Physico-Chemical Characterization Of Some Novel Quaternary Salts Of Pyridinium, *International Conference of Applied Chemistry CISA 2011*, 28-30 Aprilie, Bacău, Romania, <http://cisaconf.ub.ro>
11. **Furdui B.**, Constantin O., Dinică R., Bahrim G., Studies concerning biofilm disinfectant efficacy of new nitrogen heterocyclic compounds, *The 5<sup>th</sup> International Symposium Euroaliment 2011: From Food Science to Food Industry – Bridging Education and Research with Engineering and Industry*, Galați, 6-7 octombrie 2011, [http://www.euroaliment.uqal.ro/euroaliment\\_2011.htm](http://www.euroaliment.uqal.ro/euroaliment_2011.htm)
12. **Furdui B.**, Dinică R., 2011, Comparative studies on acido-basic and spectrophotometric properties of some bis-pyridinium quaternary salts, *10<sup>th</sup> Conference on Colloids and Surfaces Chemistry with international participation*, Galati, ROMANIA, June 9<sup>th</sup>-11<sup>th</sup> 2011
13. **Furdui B.**, Cârâc G., Dinică R., 2011, Comparative studies on electrochemical properties of some bis-pyridinium quaternary salts, *10<sup>th</sup> Conference on Colloids and Surfaces Chemistry with international participation*, Galati, ROMANIA, June 9<sup>th</sup>-11<sup>th</sup> 2011
14. Radu R., **Furdui B.**, 2011, Physico-chemical studies of some silica's soils, *10<sup>th</sup> Conference on Colloids and Surfaces Chemistry with international participation*, Galati, ROMANIA, June 9<sup>th</sup>-11<sup>th</sup> 2011
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29. **Furdui B**, Dinică R., Druță, I, Demeunynck, M., 2006, Synthesis and photophysics of new reactive pyridinium indolizines fluorophores, *The International Conference of Physical Chemistry ROMPHYSICHEM-12*, București, 6-8 septembrie
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38. Dinică R., **Furdui B**, Georgescu M., 2000, Microwave Assisted Preparation of bis-Indolizines by 1,3-Dipolar Cycloaddition, *XIXth European Colloque on Chimie des Heterocycles*, Aveiro, iulie 2000.

## E. BREVETS

## F. GRANTS

### 1. Internațional GRANTS –

1. **2011-2013** – collaborator for Bilateral Collaboration Programme „Hubert Curien- Brancusi” 25449UA „**Access to new bioactive molecules through developing of new original biocatalysts for click-chemistry reactions**” between “Dunărea de Jos” University of Galați and LEDSS 6 laboratory of Joseph Fourier University, Grenoble, Franța.
2. **2003-2004** – collaborator for Bilateral Collaboration RO/24 **Sinteze de sisteme conjugate medicamente-luminofoari și evaluarea proprietăților lor spectrofizice și biochimice**, between “Dunărea de Jos” University of Galați and LEDSS 6 laboratory of Joseph Fourier University, Grenoble, Franța.

### 2. National Grants

1. **2011-2014** – member of PN-II-ID-PCE-2011-3-0226 grant, **Access to new bioactive molecules by development of original biocatalysts for reactions type click-chemistry**
2. **January – December 2011**: Postdoctoral fellowship in biotechnology, POSDRU/89/1.5/S/52432 at “Dunărea de Jos” University, Galați, Romania
3. **2006-2008** – member of CEEX grant, Module I, **Imbunătățirea indicatorilor calitativi la tratarea biologică a apelor reziduale din industria alimentară pe conducere avansată - APEPUR**, of “Dunărea de Jos” University of Galați, nr. 717/24.07.2006.
4. **2006-2008** – member of CEEX grant, Module IV, **Centrul Regional de cercetare și monitorizare a calității mediului**, of “Dunărea de Jos” University of Galați, nr. 299/18.09.2006

5. **2006-2008** – member of CEEEX grant, Module III, *Promovarea participării românești la proiecte europene fp7 în domeniul imunogeneticii diabetului zaharat și al medicinei regenerative cu celule beta pancreatice - DIABTER*, of “Dunărea de Jos” University of Galați in partnership with Fundeni Hospital
6. **2006-2008** – member of research platform “*Biotechnology Applied In Food Industry - Integrated Center For Research And Education – Bioaliment*”, CNCSIS 62
7. **2004-2006** – member of A CNCSIS grant, *Cercetări privind obținerea coloranților galbeni alimentari, din surse de origine fungică, în acord cu principiile moderne ale calității și siguranței alimentare*, CNCSIS nr 450
8. **2004-2005** – member of AT CNCSIS grant, *Sinteze de luminofori cu posibilă utilizare în medicină și evaluarea proprietăților lor spectrofizice și biologice*, CNCSIS nr 81

## G. OTHER SCIENTIFIC CONTRIBUTIONS

1. Dodehe Y., R. Dinica, **B. Furdul**, M.Praisler, *Extraction and characterization of Flavonoids leaves from Anona Senegalensis*, 4<sup>th</sup> National Conference on Applied Physics, sept, 25-26, 2008, Galați, Romania
2. **Furdul B.**, Dinica R., Demeunynck M., 2008, *Spectrophysical studies of pyridinium-indolisines in biological medium*, Al IX-lea Simpozion de Chimia Coloizilor și Suprafetelor, Galați, 29-30 may 2008, abstract published in book of abstract at pag.16;
3. Crețu R., **Furdul B.** Dinică R., 2008, *Comparative study of antioxidant properties of some indolizine derivatives in vegetable oils*, Al IX-lea Simpozion de Chimia Coloizilor și Suprafetelor, Galați, 29-30 may 2008, abstract published in book of abstract at pag.52;
4. Dinica R., **Furdul B.**, Druță I., 2008, *Comparative study of acido-basic properties of some quaternary salts of 4,4'-bipyridine*, Al IX-lea Simpozion de Chimia Coloizilor și Suprafetelor, Galați, 29-30 may 2008, abstract published in book of abstract at pag.15;
5. Aluculesei A., **Furdul B.**, Vlahovici A., 2006, *Pure electronic transition in the pyridinium-substituted indolizines compounds*, National Conference of Applied Physics – CNFA 2006, Iași, 8-9 december, abstract published in book of abstract at pag. 118.
6. Dinică R., **Furdul B.**, 2006, *Structural Investigations of Indolizinic Compounds by NMR Studies*, National Conference of Applied Physics, 2<sup>nd</sup> ed., Galați, 9-10 June
7. Dinică R., Crețu R, **Furdul B.**, Florea T., 2005, *Research on the Antioxidant Effect of Indolisines Derivatives in Vegetables Oils*, Al VIII-lea Simpozion de Chimia Coloizilor și Suprafetelor, Galați, 2-4 iunie