

Scientific Activity

➤ Published papers

ISI published papers

1. Aluculesei, A., **Furdui, B.**, Vlahovici, AL., Dorohoi, D.O., 2008, Pure electronic transition of n-methyl-4[1-(ethoxycarbonyl)-3 (methoxy carbonyl-indolizin-7-il]-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
2. 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, factor impact 0.26, EDITURA ACADEMIEI ROMANE, AN 2008:131045 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))
3. **Furdui B.**, Dinica R., Demeunynck M., Druta I., Structural investigations of substituted indolizine derivatives by NMR studies, *Romanian Journal of Physics*, **2008**, 53,1-2,343-351
4. **Furdui B.**, Dinica R., Demeunynck M., Druta I., Vlahovici AL., New reactive pyridinium-indolizines fluorophores, *Rev. Roum. Chim.*, **2007**, 52(7),633-637, ISSN: 0035-3930, EDITURA ACADEMIEI ROMANE
5. Leontie L., Druta I., **Furdui B.**, Rusu G. I., On the Mechanism of the Electrical Conduction in Some New Quaternary Salts of Bipyridine and Indolizine Pirydine Thin Films, *Progress in Organis Coatings*, **2007**, 58, 303-11, DOI: 10-1016/j.porgcoat.2007.01.003, ELSEVIER www.elsevier.com/locate/porgcoat
6. **Furdui B.**, Dinica R., Druta I., Demeunynck M., Improved Synthesis of Cationic Pyridinium –Substituted Indolizines, *Synthesis*, **2006**, 16, 2640-2642, ISSN: 0039-7881 GEORG THIEME VERLAG KG

BDI published papers

7. **Furdui, B.**, Bahrim G., Dinica R., Druta I., Demeunynck M. „In vitro antimicrobial activity of new nitrogen heterocycles from 4,4'-bipyridine”,– *Roum. Biotech. Lett.*, **2007**,12 (1), 3073-3078
8. Dinica R., **Furdui B.**, Koprivekc D., Determination de la concentration de tocopherols dans certaines cereales autochtones, *3-ème Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA)*, Bacau, 22-26 september **2004** CAN 143:192777 AN 2004:1043825 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))
9. Dinica R., **Furdui B.**, Demeunynck M., Bouffier L., Precurseurs de nouveaux heterocycles a intérêt biologique, *3-ème Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA)*, Bacau, 22-26 september **2004** CAN 143:266794 AN 2004:1043739 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))
10. **Furdui B.**, Radu R., Recovery and Physicochemical Study of Essential Oil of *Artemisia Absinthium*, *Journal of Physics and Chemistry*, **2003**, 38 (1-2-3), 1-7, SOCIETY OF PHYSICAL AND CHEMICAL SCIENCES OF ROMANIA, CAN 139:385837, AN 2003:347171 CAPLUS (Copyright (C) 2006 ACS on SciFinder (R))

Papers published in CNCSIS recognized journals

11. **Furdui B.**, Dinica R., Georgescu M., Physico-chemical study of etheric oils from *Artemisia Absinthium*, *Ovidius University Annals of Chemistry*, **2005**, 16 (1), 193-195, ISSN 1223 7221
12. Georgescu M., Dinica R., **Furdui B.**, Georgescu O., Physico-chemical study of folic acid from some vegetables, *Ovidius University Annals of Chemistry*, **2000**, 11 (1), 25-27, ISSN 1223 7221

➤ Oral presentations

1. **Furdui B.**, Dinica R., Demeunynck M., Spectrophysical studies of pyridinium-indolizines in biological medium, *Al IX-lea Simpozion de Chimia Coloizilor și Suprafețelor*, **2008**, Galați, 29-30 mai 2008, Abstract published in Book of abstracts at pag.16
2. Aluculesei A., **Furdui B.**, Vlahovici A., Dorohoi D., Pure electronic transition in the pyridinium-substituted indolizines fluorophores, *National Conference of Applied Physics*, CNFA 2006, 8-9 december, Iassy, **2006**, Abstract published in Book of abstracts at pag. 118
3. **Furdui B.**, Dinica R., Demeunynck M., Druta I., Synthesis and photophysics of new reactive pyridinium indolizines fluorophores, *The International Conference of Physical Chemistry ROMPHYSICHEM-12*, 6-8 september, Bucharest, **2006**
4. Dinica R, **Furdui B.**, Structural Investigation of Indolizinic Compounds By NMR Studies, *Second National Conference of Applied Physics*, 9-10 June, Galati, **2006**
5. Dinica R., Cretu R., **Furdui B.**, Florea T., Research on the Antioxidant Effect of Indolisine Derivatives, *Papers of International Symposium Euro-Aliment 2005*, 29-30 September, Galati, **2005**, ISBN 973-8316-87-1
6. Cretu R., Dinica R., **Furdui B.**, Florea T., Research on the Antioxidant Effect of Indolisine Derivatives in Vegetables Oils, *Al VIII-lea Simpozion de Chimia Coloizilor si Suprafetelor*, 2-4 iunie **2005**, Galati, p190-193, ISBN 973-8316-84-7

➤ Posters

1. **Furdui B.**, Dinică, R., Bahrim G., Demeunynck, M., Comparative Study of Biological Activities of Some Nitrogen Heterocyclic Compounds, *International Conference on Industrial Microbiology and Applied Biotechnology*, **2008**, Galați, 9-11 October, 2008, Abstract published in Book of abstracts at pag.36
2. Dinica R., **Furdui B.**, Druță I., Comparative study of acido-basic properties of some quaternary salts of 4,4'-bipyridine, *Al IX-lea Simpozion de Chimia Coloizilor și Suprafețelor*, **2008**, Galați, 29-30 mai 2008, Abstract published in Book of abstracts at pag. 15;
3. Crețu R., **Furdui B.**, Dinică R., Comparative study of antioxidant properties of some indolizine derivatives in vegetable oils, *Al IX-lea Simpozion de Chimia Coloizilor și Suprafețelor*, **2008**, Galați, 29-30 mai 2008, Abstract published in Book of abstracts at pag.52
4. **Furdui B.**, Dinica R., Demeunynck M., Druta I., Dumy P., Nouveaux fluorophores indolisiniques d'interets biologiques, *Symposium Sygma-Aldrich Jeunes Chimistes SAJEC 2005*, Villeneuve d'Asq – Lille, 17-19 October, **2005**

5. **Furdui B.**, Dinica R., Demeunynck M, Druta I., Dumy P, Nouveaux fluorophores indolisiques d'interêts biologiques, *Journee de printemps, Societe Française de Chimie*, section Rhone-Alpes, Université de SAVOIE, Campus du Bourget du Lac, 16 June **2005**
6. Georgescu M, Dinica R., **Furdui B.**, Georgescu O., Organic constituents as risk factors from cereals, *International Symposium "Euro-Aliment 2003"*, 23-25 octomber, **2003**, Galati, p. 426-428, ISBN 973-8316-68-5
7. Georgescu M., Dinica R., **Furdui B.**, Separation and identification of some biological active organic compounds from cereals, *International Symposium "Euro-Aliment 2003"*, 23-25 octomber, **2003**, Galati, p. 623-625, ISBN 973-8316-68-5
8. **Furdui B.**, Dinica R., Georgescu M., Studies of Some Pigments and Quinonic Compounds From Aloe Vulgaris, *3rd International Conference of the Chemical Societies of South-Eastern European Countries on Chemistry in the New Millenium-an Endless Frontier*, Bucarest, Roumanie, 22-25 september **2002**, abstract published in the book of conference, pag. 294, ISBN 973-569-555-3
9. **Furdui B.**, Dinica R., Georgescu M., New Nitrogen Heterocyclic Compounds with Biological Interest, *Symposium Sigma Aldrich Jeunes Chimistes SAJEC 2002, Strasbourg – Obernai*, 21-23 octomber, **2002**, abstract published in the book of conference
10. **Furdui B.**, Dinica R., Georgescu M., Bypiridinium Ylides as Precursors of New Heterocycles of Biological Interest, *XXth European Colloquium on Heterocyclic Chemistry, August, 2002, Stockholm, Suedia*
11. Georgescu M., Dinica R., **Furdui B.**, "New Researches on B₁₂ Vitamin from Black Sea Mud", – *1st Black Sea Basin Conference on Analytical Chemistry*, 10-15 september, Odessa, **2001**
12. Dinica R., **Furdui B.**, Georgescu M., Izolation and characterisation of some organic compounds from *Alloe*, Food and Health at the begining of the IIIrd millenium, Academica Press, Galati, **2001**, p. 595-698, ISBN 973-8316-15-4
13. Georgescu M., Dinica R., **Furdui B.**, L'étude physico-chimique de composée phenolyques avec activité antioxidante, *10th Conference of Phsysical-chemistry*, September, lassy, **2000**
14. Dinica R., **Furdui B.**, M. Georgescu, Microwave Assisted bis-indolizine preparation by 1,3-dipolar cycloaddition, *XIXth European Colloquium on Heterocyclic Chemistry*, July, **2000**, Aveiro, Portugal, p. 87, ISBN 972-789-013-X
15. Georgescu M., Dinica R., **Furdui B.**, Georgescu O., Evaluation sur la dynamique de l'acide folique dans des produits végétaux– National Conference of Chemistry 2000, Constanta, 14-16 avril **2000**