

2009

**1. Curdlan Microspheres. Synthesis, Characterization and Interaction with Proteins (Enzymes, Vaccines),** *Int. J. Biol. Macromol.*, **44** (3), 215 -221, 2009

**Autori:** Mocanu G., Mihai I., Moscovici M., Picton L., LeCerf D.

**2. Functionalized Polyvinyl Alcohol Derivatives Thin Films for Controlled Drug Release and Targeting Systems: MAPLE Deposition and Morphological, Chemical and *In Vitro* Characterization,** *Applied Surface Science* **255**(10), 5600-5604, 2009

**Autori:** Cristescu R., Popescu C., Popescu A.C., Grigorescu S., Duta L, Mihaiescu I.N., Caraene G., Albuiescu R., Albuiescu L., Andronie A., Stamatina I., Ionescu A., Mihaiescu D., Buruiana T., Chrisey D.B.

**3. Fungal Chitosan: Isolation and Biological Characterization,** *FEBS Journal* **276** (Suppl. 1), 272-272, 2009

**Autori:** Albuiescu R., Gheorghiu E., Ponta C., Barbulescu D., Casarica A., Marinescu C., Ghera D., Zharachescu V., Stan A.

**4. Biochemical and *In Vitro* Studies on Bee (Apis Mellifera) Venom,** *FEBS Journal* **276** (Suppl. 1), 297-297, 2009

**Autori:** Albuiescu R., Albuiescu L., Popescu D., Raducan E.

**5. Plant Polyphenols: *In Vitro* Studies on Cytokine Release and Cell Signaling,** *FEBS Journal* **276** (Suppl. 1), 298-298, 2009

**Autori:** Albuiescu R., Caraene G., Nichita C., Vulturescu V., Albuiescu L., Codorean E., Tanase C.

**6. Immobilization of cellulases on solid substrates and permselective membranes**

**Autori:** Lupescu I., Groposila-Constantinescu D., Moscovici M., Lefter E., Toma R., *FEBS Journal*, **276** (suppl. 1), 91, 2009

**7. Lipase-catalyzed transesterification of triolein**

**Autori:** Groposila-Constantinescu D., Campeanu G., Lupescu I., Teacenco L., Toma R., *FEBS Journal*, **276** (suppl. 1), 87, 2009

**8. *In Vitro* Hepatic Differentiation of Human Bone Marrow Mesenchymal Stem Cells Under Differential Exposure to Liver-Specific Factors,** *Transl. Res.* **154**(3), 122-32, 2009

**Autori:** Chivu M., Dima S.O., Stancu C.I., Dobrea C., Uscatescu V., Necula L.G., Bleotu C., Tanase C., Albuiescu R., Ardeleanu C., Popescu I.

**9. Proteomics Technologies in Pancreatic Cancer Early Diagnosis,** *VIRCHOWS ARCHIV* **455**, 426-7, 2009

**Autori:** Tanase C., Popescu D., Albuiescu L., Dima S., Albuiescu R., Popa A., Neagu M., Hinescu M., Bulman A.

**10. Curcumin Derivatives with Potential Biological Activity,** *Revista de Chimie* **60**(1),

76-80, 2009

**Autori:** Robu M., Tanase C., Boscornea C., Tomas S., Albulescu R.

**11. New Nucleosides Derivatives of Bicyclo[2.2.1]heptanes as Antitumor Agents,** *Revista de Chimie*, **60** (2), 147 – 151, 2009

**Autori:** Tanase C., Cocu F.G., Caproiu m.T., Neagu M., Manda G.

**12. ICP-MS Computer Controlled Determination of Some Trace Elements in Pharmaceutical Containers and Substances**

**Autori:** Nita S., Rughinis R., Rusu N., Balas R., *Revista de Chimie*, **60** (4), 382 – 386, 2009

**13. QSAR Studies on Antibacterial Activity of Some Substituted Dihydrodibenzo-Thiepinines,** *Revista de Chimie*, **60** (5), 478 – 480, 2009

**Autori:** Tarko L., Stecoza C.E., Ilie C., Chifiriuc M.C.

**14. Synthesis and Characterization of New Dibenzo[b,e]Thiepine derivatives. II,** *Revista de Chimie*, **60** (6), 588 – 590, 2009

**Autori:** Ilie C., Stecoza C.E., Caproiu M.T., Hau R., Guta R., Nanau-Andreescu D.

**15. New Adamantane Derivatives with Potential Action on the Central Nervous System,** *Revista de Chimie*, **60** (7), 653 – 656, 2009

**Autori:** Corina Ilie, Rodica Guta, Ramona Hau, Doina Nanau Andreescu, Gabriela Putina, Miron Teodor Caproiu

**16. Some New 2- (4-Ethyl-Phenoxymethyl) Benzoic Acid Thioureides Synthesis and Spectral Characterization,** *Revista de Chimie*, **60** (7), 657 – 661, 2009

**Autori:** Carmen Limban, Al. Misisir, Ilena Chirita, G.M. Niculescu, Corina Ilie, M.T. Caproiu

**17. Noi tioureide ale acidului 2-fenetilbenzoic cu potentiala activitate antimicrobiana,** *Revista de Chimie*, **60** (8), 805 – 809, 2009

**Autori:** L.Morusceag, Al. Missir, Corina Ilie, Rodica Guta, Doina Nanau Andreescu, M.T. Caproiu

**18. New Secondary Amines from the Adamantane Class with Potential Biological Action,** *Revista de Chimie*, **60** (9), 867 – 870, 2009

**Autori:** Rodica Guta, Corina Ilie, Doina Nanau Andreescu, Aura Edu, Miron Teodor Caproiu

**19. Synthesis and Antibacterial Activity of Some New Desfluoroquinolones,** *Revista de Chimie*, **60** (9), 871 – 875, 2009

**Autori:** Pintilie L., Negut C., Oniscu C., Caproiu M.T., Nichifor M.

**20. Anti-Inflammatory Constituents from Different Plant Species,** *Environmental Engineering and Management Journal*, **8** (4), 785-792, 2009

**Autori:** Bodirlau, R; Spiridon, I; Teaca, CA, Anghel N., Ichim M., Colceru Mihul S., Armatu A.

**21. Vegetal bioproducts with antioxidant activity for prophylactic and therapeutic effect**, *Materials Research Innovations*, **13** (3), 313-315, 2009

**Autori:** Nichita, C; Caraene, G; Badea, N.

**22. Cyclodextrin-Anionic Polysaccharide Hydrogels: Synthesis, Characterization, and Interaction with Some Organic Molecules (Water Pollutants, Drugs, Proteins)**, *Journal of Applied Polymer Science*, **112** (3), 1175-1183, 2009

**Autori:** Mocanu, G; Mihai, D; LeCerf, D, Moscovici M.

**23. Multiplexed immunoassay for monitoring cytokine profile in immunopharmacological studies in vitro**, *Toxicology Letters*, **189**, S266-S266, 2009

**Autori:** Codorean, E; Albulescu, L; Raducan, E, Popescu D.I., Albulescu R., Nichita C., Tanase C.

**24. The Histopathological Examination of Mice Tissues after the Treatment with New Synthesized Prostanoids with Antiglaucoma Action**, *Farmacia*, **57**(3), 315-320, 2009

**Autori:** Udeanu D.I., Enache M., Mihele D., Cocu F.

**25. Structural characterization of a highly active superoxide-dismutase mimic**, *Physical Chemistry Chemical Physics*, **11**(31), 6778-6787, 2009

**Autori:** Balasubramanian V., Ezhevskaya M., Moons H., Neuburger M., Cristescu C., van Doorslaer S., Palivan C.

### ***In curs de publicare***

**1. New Benzimidazoles Derivates (Small Hydroxamates) Possible Inhibitors of the Matrix Metalloproteinase**, *Revista de Chimie*

**Autori:** Rodica Guta, Gabriela Putina, Corina Ilie, Doina Nanau Andreescu, Carol Cristescu, Miron Teodor Caproiu, Elena Ganea, Florentina Israel-Roming

**2. New 6,11 – Dihidrobenzo [b,e] Thiepine Derivatives. Note VI.**, *Farmacia*

**Autori:** Stecoza C. E., Draghici C., Caproiu M.T., Ilie C

### **2008**

**1. QSARs on Bactericide Activity of 3 Carboxyl-4-Quinolones**, *Revista de Chimie* **59**(2), 185-194, 2008

**Autori:** Laszlo T., Pintilie L., Negut C., Oniscu C., Caproiu M. T.

**2. In Vitro Biocompatibility Testing of Implantable Biomaterials**, *Roumanian Biotechnological Letters*, vol. **13**(4), 3863-72, 2008,

**Autori:** Albulescu R., Codorean E., Albulescu L., Caraene G., Vulturescu V., Tanase C.

**3. Studies on Synthesis of Some Novel Thioureides of 2-(4- Methyl-Phenoxy Methyl) Benzoic Acid with Antimicrobial Activity**, *Revista de Chimie*, **59**(10), 1136-1139, 2008

**Autori:** Limban C., Missir Al. , Chirita I., Ilie C., Caproiu M.T.

**4. The Synthesis and Characterization of Some New Thiourea Derivatives of 2-(4-Methylphenoxymethyl) Benzoic Acid with Antimicrobial Activity, *Revista de Chimie*, 59(11), 1245-1249, 2008**

**Autori:** Limban C., Misisir Al., Chirita I., Nitulescu G.M., Ilie C., Caproiu M.T.

**5. Synthesis and Characterization of New Dibenzo [B,E] Thiepin Derivatives, *Revista de Chimie*, 59(12), 1348, 2008**

**Autori:** Stecoza C., Caproiu M.T., Ilie C., Chirita I.

**6. Influence of Plant Extracts on Germination and Post-Germination Development of Different Species, *Cellulose Chem. Technol.*, 42(1-3) 47-53, 2008**

**Autori:** Teaca C., Bodirlau R., Oprea A., Tanase C., Colceru-Mihul S.

**7. Microorganisms Mediated Reduction of  $\beta$ -Ketoesters, *African Journal of Biotechnology* vol 7 (20), 3515-3520, octomber 2008**

**Autori:** Popa O., Babeanu N., Vamanu A., Vamanu E., Barbulescu I.D.

**8. The Influence of Various Microbial Bio-Products, for Bean Crop, *Roumanian Biotechnological Letters*, 13(2), 3623-3630, 2008**

**Autori:** Babeanu N., Popa O., Pamfil M.

**9. Effect of The Yeast and Bacteria Biomass on The Microbiota in the Rumen, *Pakistan Journal of Biological Sciences* 11 (18): 2217-2223, 2008**

**Autori:** Vamanu E., Vamanu A., Popa O., Vassu T., Ghindea R., Pelinescu D., Nita S., Babeanu N.

**10. Bioactive Compounds (Vasotoxins) from *Viscum Album L.* Extracts Characterization, *Roumanian Biotechnological Letters*, 13(4), p. 3799-3806, 2008**

**Autori:** Eremia M. C., Albuiescu R., Radulescu G., Savoiu G., Spiridon M.

**11. Signaling Profile Pathways Involved in Pancreatic Cancer Progression, *European Journal of Cancer Supplements*, vol 6, Issue 9, page 151-151, July 2008**

**Autori:** Tanase C., Nicolescu M.I., Albuiescu L., Cruceru L.M., Popa A., Mihai S., Neagu M., Dima S.O., Albuiescu R., Hinescu M.E.

**12. Phytochemicals – Modulating Tools for Therapeutic Optimization, *FEBS J.* 2008 Jun; 275 Suppl 1: 375-375 ISSN 1742-464X**

**Autori:** Albuiescu R., Tanase C., Silvestro L., Caraene G., Albuiescu L., Savi G., Tanase M. A., Codorean E.

**13. Serum Tissue Remodeling Markers in Pancreatic Tumor Characterization, *FEBS J.* 2008 Jun; 275 Suppl 1: 235-235 ISSN 1742-464X**

**Autori:** Albuiescu L., Raducan E., Popescu D.I., Codorean E., Tanase M.A., Neagu M., Dima O.S., Tanase C., Albuiescu R.

**14. Signaling Proteins Profile in Pancreatic Cancer, *FEBS J.* 2008 Jun; 275 Suppl 1: 346-346 ISSN 1742-464X**

**Autori:** Tanase C., Albuiescu L., Nicolescu M.I., Dima O.S., Cruceru L.M., Popa A., Mihai S., Neagu M., Albuiescu R., Hinescu M.E.

**15. Obtaining of a Symbiotic Product Based on Lactic Bacteria, Pollen and Honey, *Pak***

**Autori:** Vamanu A., Vamanu E., Popa O., Campeanu Gh., **Albulescu R.**, Drugulescu M., **Nitã S.**, Babeanu N.

**16. Studies Concerning the Obtaining and Characterization of New Pharmaceutical Products from *Ginkgo Biloba* Species, *The FEBS Journal*, vol. 275, 1, 435, 2008**

**Autori:** Vamanu E., **Nita S.**, Vamanu A., Popa O., Babeanu N.

**17. Specific Inhibition of Matrix Metalloproteinases by Newly Shynthesized Hydroxamate - Based Compounds, *The FEBS Journal*, Vol. 275, Supplement 1, June 2008**

**Autori:** Ganea E., Laslo C., **Putina G.**, **Guta R.**

**18. Determination of Antioxidant and Radical Scavenging Activity of *Inula Helenium* L. Roots, *Planta Medica*, nr. 9, vol. 74, 2008**

**Autori:** **Armatu A.**, **Colceru-Mihul S.**, **Ocnaru D.**, **Manaila N.**

**19. New Anilides as Potential Antimicrobial Agents. Note 1., *Farmacia LVI*, nr. 5, 532-540, 2008**

**Autori:** Chirita I., Misisir Al., Stecoza C., Limban C., Nitulescu M., Nuta D., Morusciag L., Badiceanu C., **Ilie C.**, Caproiu M.T.

**20. New Anilides as Potential Antimicrobial Agents. Note 2., *Farmacia LVI*, nr. 6, 615-624, 2008**

**Autori:** Chirita I., Misisir Al., Stecoza C., Limban C., Nitulescu M., Nuta D., Morusciag L., Badiceanu C., **Ilie C.**, Caproiu M.T.

## 2007

**1. Bacterial Xylanase from Vegetable Wastes, *Revista de Chimie* 58(1), 111- 112, 2007, **Autori:** Ionescu C., Caraiani T., Moscovici M., Marinescu C., Gheorghiu E.**

**2. Plant Antioxidants Obtained from *Hypericum Perforatum* Species, *Revista de Chimie* 58 (9), 910, 2007**

**Autori:** **Nichita C.**, **Bazdoaca C.**, **Parvu L.**, Giurginca M., Meghea A.

**3. Potential Antidiabetes/Antiobesity Compounds from the Beta-3-Adrenergic Receptor Agonists Class, *Revista de Chimie* 58 (10), 934-940, 2007**

**Autori:** **Guta R.**, **Ilie C.**, **Putina G.**, **Doina Nanau-Andriescu D.**, Caproiu M. T., Negres S.

**4. New Mannich Bases with Pharmacological Activity, *Revista de Chimie* 58(8) 2007**

**Autori:** Zalaru C., **Putina G.**, Dumitrascu F., Draghici C.

**5. Synthesis of (5-3H) Uracyl Nucleoside Analogue, *Journal of Labelled Compounds and Radiopharmaceuticals*, 50(5-6), 609-610, Published online 30 Jul. 2007; DOI 10.1002/jlcr 1305,**

**Autori:** Postolache C., **Tanase C.**, Matei L., Serban V.

**6. New Pyrimidine Nucleoside Analogues with Antitumoral Activity, *Revista de Chimie* 58(8), 822-829, 2007**

**Autori:** **Tanase C.**, **Florea Cocu F.**, Caproiu M.T., Draghici C., Neagoe I., Manda G.

**7. New Bicyclo(2.2.1.) Heptane Nucleoside Analogues as Antitumor Agents, *Revista de Chimie* 58(9), 2007**

**Autori:** **Tanase C.**, **Cocu F.**, Caproiu M.T., Draghici C., Neagoe I., Manda G.

**8. L-Aspartic Acid Derivatives as Precursors of Aspartyl-Dipeptide Edulcorants. L-Aspartic Acid Synthesis by Biocatalytical Reductive Amination of Fumaric Acid, *Revista de Chimie* 58 (2), 210-213, 2007**

**Autori:** Lupescu I., Groposila Constantinescu D., Pamfil M., Savoiu V.G.

**9. Cu (II) Separation from Aqueous Solutions by Ionic Flotation Collector, *Revista de Chimie* 58 (10), 915-922, 2007, **Autori:** Stoica L., Lacatusu I., Cocu F.**

**10. Cascade Obtainment of Bioactive Compounds from *Plantago Lanceolata L* Cultivated in Romania, *Planta Medica* 73, (9), 2007**

**Autori:** Pintilie G., Paraschiv I., Manaila N., Ocnaru D., Armatu A., Colceru-Mihul S., Parvu L., Rughinis D., Nita S.

**11. Comparative Study of the Analgesic Effect of Different Phenylethanoid-Based Fractions from *Plantago Lanceolata L*, *Planta Medica*, 73(9), 2007**

**Autori:** Armatu A., Paraschiv I., Ocnaru D., Pintilie G., Manaila N., Rughinis D., Segarceanu A., Ghita I., Nita S.

**12. Antimicrobial Activity of Extracts Isolated From *Plantago Sp.*, *Planta Medica* 73 (9), 2007**

**Autori:** Radu N., Chirvase A., Ghita I., Coman O., Stamatiu L., Corobea C., Pintilie G.

**13. Experimental Pharmacological Researches Regarding the Effect of Newly Synthesized Beta 3-Adrenergic Receptors on Glucidic and Lipidic Profiles, *European Journal of Drug Metabolism and Pharmacokinetics*, PO29, 18, 2007**

**Autori:** Negres S., Chirita C., Morosan E., Zbarcea C., Putina G., Guta R., Turcu L. I., Marineci D. C.

**14. Matrix Metalloproteinase: Useful and Deleterious, *Biochemical Society Transactions*, 35, part 4, 689-691, 2007**

**Autori:** Ganea E., Trifan M., Laslo A.C., Putina G., Cristescu C.

**15. Matrix Assisted Pulsed Laser Evaporation of Cinnamate-Pullulan and Tosylate-Pullulan Polysaccharide Derivatives Thin Films for Pharmaceutical Applications, *Applied Surface Science*, 253(19), 7755-7760, 2007**

**Autori:** Jelinek M., Cristescu R., Axente E., Kocourek T., Dybal J., Remsa J., Plestil J., Mihailescu D., Albulescu M., Buruiana T., Stamatiu I., Mihailescu I.N., Chrisey D.B.

**16. Matrix Assisted Pulsed Evaporation of Pullulan Tailor Made Biomaterial Thin Films for Controlled Drug Delivery Systems, *Journal of Physics: Conference Series*, 59(1), 144-149, 2007**

**Autori:** Cristescu R., Jelinek M., Kocourek T., Axente E., Grigorescu S., Albulescu M., Buruiana T.

## 2006

**1. New Benzamides with Potentially Antipsychotic Action, *Revista de Chimie* 57(8), 2006, **Autori:** Ilie C., Guta R., Nanau-Andriescu D., Nuta D., Caproiu M.T.**

**2. Potential Antidiabetes/Antiobesity Compounds from the Beta-3-Adrenergic Receptor Agonists class, *Revista de Chimie* 58 (10), 937-940, 2006**

**Autori: Guta R., Ilie C., Putina G., Nanau-Andriescu D., Caproiu M.T., Negres S.**

**3. 3-(Aryl And Heteroaryl)-4-Arylsoxazoles as Valdecoxib Analogues, *Revista de Chimie* 57(10), 1047-1050, 2006**

**Autori: Croitoru M., Tanase C., Caproiu M. T., Draghici C.**

**4. Correlation Structure-Antioxidant Activity of Some Polyphenols of Plant Origin, *Revista de Chimie* 57(7), 699-705, 2006**

**Autori: Parvu L., Nichita C., Giurginca M., Meghea A.**

**5. The Evaluation of the Antioxidant Capacity of Some Gels Containing Plant Extracts, *Revista de Chimie* 57 (1), 21, 2006**

**Autori: Nichita C.**

**6. Assisted Extraction of Wheat Germ Oil by Microwaves, *Revista de Chimie* 57(11), 1185, 2006**

**Autori: Dinoiu V., Nichita C., Albulescu R.**

## **2005**

**1. New non-Symmetrical Esters of 1,4-Dihydropyridines Class with Potentially Biological Action, *Revista de Chimie* 56, (1), 2005**

**Autori: Guta R., Ilie C., Nanau-Andriescu D., Caproiu M.T., Draghici C.**

**2. Synthesis of New Non-Symmetrical Esters 1-Alkyl of 1,4-Dihydropyridines Class with Potentially Biological Action, *Revista de Chimie* 56,(9), 2005**

**Autori: Guta R., Nanau-Andriescu D., Nita S., Caproiu M.T.**

**3. New Benzamides with Potentially Biological Action, *Revista de Chimie* 56,(10), 1044, 2005**

**Autori: Ilie C., Guta R., Nanau-Andriescu D., Caproiu M.T., Draghici C.**

**4. New N-Substituted-Pyrazolyl-Benzene-Sulfonamide Compounds as Analogues of COX-2 Selective Inhibitors II. N-Monosubstitute Derivatives, *Revista de Chimie* 56 (2), 164-168, 2005**

**Autori: Croitoru M., Pintilie L., Tanase C., Caproiu M.T., Draghici C.**

**5. Contribution in the Determination of the Chemical Composition of the Oil Extracted from the Liver of *Squalus Acanthis*, *Revista de Chimie* 56 (10), 1252-56, 2005**

**Autori: Mihele D., Radulescu V., Cocu F., Predescu I., Stuparu A.**

**6. Synthesis of 2-Hydroxy-5-Nonylbenzaldehyde and of the N-(2-Hydroxy-5-Nonylbenzyl)-Aspartic Acid, Potential Collectors in the Ionic Flotation, *Revista de Chimie* 56 (12), 1252-56, 2005**

**Autori: Cocu F., Stoica L., Lacatusu I.**

**7. Chemical-Structural Characterization and Antioxidant Capacity of Plant Extracts**

**Obtained by Classical and Modern Procedures, *Revista de Chimie* 56 (5), 498, 2005**

**Autori:** Nichita C., Bazdoaca C., Giurginca M., Meghea A.

**8. Antioxidant Capacity Evaluation of *Hypericum Perforatum* Extract, *Revista de Chimie* 56 (6), 621, 2005**

**Autori:** Nichita C., Bazdoaca C., Giurginca M., Meghea A.

**9. Antioxidant Activity Estimation and Proving Synergic Effect of Active Principles in *Carduii Mariani* Fructus Extracts, *Revista de Chimie* 56 (8), 821, 2005**

**Autori:** Nichita C.

**10. Synthesis and Characterization of TiN, TiAlN and TiN/TiAlN Biocompatible Coatings, *Surface and Coatings Technology (I-4 spec.iss)*, 1-14-17, 2005**

**Autori:** Braic M., Balaceanu M., Braic V., Vladescu A., Pavelescu G., Albulescu M.

## **2004**

**1. New N- Substituted Pyrazolyl-Benzensulfonamide Compounds as Analogues of COX – 2 Selective Inhibitors, *Revista de Chimie* 55 (12), 993-997, 2004**

**Autori:** Croitoru M., Pintilie L., Tanase C., Caproiu M.T., Draghici C.

**2. Synthesis and Characterization of Some New Lanthanide Hybride Conjugated Monomers, *Molecular Crystals and Liquid Crystals* 416 (1), 31, 2004**

**Autori:** Emandi A., Calinescu M., Nichita C.

**3. Study on the *In Vitro* Controlled Release of Active Substances from Transdermal Therapeutical Systems, *Revista de Materiale Plastice* 41(2), 95-8, 2004,**

**Autori:** Nemes E., Grosu E., Nita S., Manaila N., Petrescu F., Secareanu A.

**4. Pulsed Laser Deposition of Biocompatible Polymers: A Comparative Study in Case Pullulan, *Thin Solid Films*, 453, 262-268, apr. 2004**

**Autori:** Cristescu R., Stamatina I., Mihailescu D.E., Ghica C., Albulescu M., Mihailescu I.N., Chrisey D.B.