

LISTA DE LUCRĂRI

MONOGRAFII/CĂRȚI DE SPECIALIAȚIE/CAPITOLE ÎN CĂRȚI

EDITURI INTERNAȚIONALE

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Limban C., **Chifiriuc M.C.**, Grumezescu A.M. 2013. Thiourea derivatives as antimicrobials. LAP LAMBERT Academic Publishing 978-3659385407-2013

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1. Lazar, Veronica; Vasilescu, Iulia Magdalena; Holban, Alina Maria; **Chifiriuc, M.C.** 2020. *The Role of Intestinal Microbiota and Microbial Metabolites in the Development of Host Metabolic Syndrome. Nutritional Signaling Pathway Activities in Obesity and Diabetes*. pp. 191-209
<https://pubs.rsc.org/en/content/ebook/978-1-78801-557-8>
2. Gheorghe, Irina; Saviuc, Crina; Ciubuca, Bianca; Lazar, Veronica; **Chifiriuc, M.C.** 2019. *Nanodrug delivery systems for transdermal drug delivery*. Nanomaterials for Drug Delivery and Therapy. pp. 225-244
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3. Măruțescu, Luminița; **Chifiriuc, M.C.**; Postolache, Carmen; Pircalabioru, Gratiela G; Bolocan, Alexandra. 2019. *Nanoparticles' toxicity for humans and environment*. Nanomaterials for Drug Delivery and Therapy. pp. 515-535
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4. Pircalabioru, Gratiela Gradisteanu; Bleotu, Coralia; Curutiu, Carmen; Mihaescu, Grigore; **Chifiriuc, M.C.** 2019. *Nanodrug delivery systems in cancer*. Biomedical Applications of Nanoparticles. pp. 31-62
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6. Măruțescu, Luminița; Frățiean, Diana; **Chifiriuc, M.C.** 2019. *Nanomedicine progress in prevention, detection, and treatment of tuberculosis*. Nanomaterials for Drug Delivery and Therapy, pp. 245-266
<https://www.sciencedirect.com/science/article/pii/B9780128165058000114?via%3Dihub>
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8. Mitache, Mihaela Magdalena; Neagu, Liliana; Curutiu, Carmen; Holban, Alina; Iordache, Elena-Gabriela Pizamosca; **Chifiriuc, M.C.** 2019. *Microbiological and Chemical Characterization of Bottled Waters in Bottled and Packaged Water*, pp. 209-226
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9. Popa, M., Măruțescu, L., Ion, I., Kamerzan, C., Bleotu, C., Oprea, E., **Chifiriuc, M.C.**, Lazař, V., 2018. *Antimicrobial and cytotoxic activity of graphene-based periocuticals*. Fullerenes, Graphenes and Nanotubes: A Pharmaceutical Approach. pp. 585-599
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11. Aiacoaboae A, Gheorghe T, Lungu II, Curutiu C, **Chifiriuc MC**, Grumezescu AM, Holban AM. 2017. *Applications of nanoscale drugs carriers in the treatment of chronic diseases*. Micro and Nano Technologies, Nanostructures for Novel Therapy, pp. 37-55. Ed. Fikai D, Grumezescu AM, ISBN 9780323461429, Elsevier.
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12. Boboc M, Curti F, Fleacă AM, Jianu ML, Roșu AM, Curutiu C, Lazar V, **Chifiriuc MC**, Grumezescu AM. 2017. *Preparation and antimicrobial activity of inorganic nanoparticles: promising solutions to fight resistance*. Nanostructures for Antimicrobial Therapy, pp. 325-340. Ed. Fikai A, Grumezescu AM, ISBN 978-0-323-46152-8, Elsevier
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13. **Chifiriuc MC**, Kamerzan C, Lazar V. 2017. *Essential Oils and Nanoparticles: New Strategy to Prevent Microbial Biofilms*. Nanostructures for Antimicrobial Therapy, Pag. 279-291. Ed. Fikai A, Grumezescu AM, ISBN 978-0-323-46152-8, Elsevier
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15. **Chifiriuc MC**, Gheorghe I, Czobor I, Florea DA, Mateescu L, Caplan ME, Caplan DM, Lazar V. 2017. *Advances in molecular biology based assays for the rapid detection of food microbial contaminants*. Food Preservation, pp. 279-291. Ed. Grumezescu AM, ISBN 978-0-12-804303-5, Elsevier
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17. Marinescu F, Gheorghe I, Cotar AI, Florea DA, Neagu L, Cirstea DM, Lazar V, **Chifiriuc MC**. 2017. *Fate of antibiotics during water treatment: impact on antimicrobial resistance in environmental and clinical strains*. Water purification, pp. 391-419. Ed. Grumezescu AM, ISBN 978-0-12-804300-4, Elsevier
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22. Marutescu L, Popa M, Saviuc C, Lazar V, **Chifiriuc MC**. 2017. *Botanical pesticides with virucidal, bactericidal, and fungicidal activity*. New Pesticides and Soil Sensors, pp. 311-335. Ed. Grumezescu AM, ISBN 978-0-12-804299-1, Elsevier
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3. Mihaescu G., **Chifiriuc M.C.** 2015. *Imunologie și imunopatologie*. Editura Medicală ISBN 978-973-39-0785-5
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2. Mihăescu G., **Chifiriuc C.** *Organizarea sistemului imunitar la vertebrate*. 2009. Imunogenetică și Oncogenetică, Ed. Academiei Române, ISBN, 9789732718483

BREVETE

Nr.c rt.	Nr. Dosar	Nr. Brevet	Clasa principală	Titlul în limba română	Inventatori
1	a 2007 00347	00122638 eliberat 28/05/2007	C07C 335/04	TIOUREIDE N,N'-DISUBSTITUITE ALE ACIDULUI 2-(4-FLUOROFENOXIMETIL)- BENZOIC http://online.osim.ro/cgi- bin/invsearch8	Limban Carmen; Missir Alexandru Vasile; Chiriță Ileana Cornelia; Drăghici Bogdan; Chifiriuc Mariana Carmen ; Bleotu Coralia
2	a 2008 00238	00123054 eliberat 28/03/2008	C07C 335/04	DERIVAȚI N-ACILAȚI AI TIOUREEI, COMPOZIȚIE FARMACEUTICĂ CE ÎI CONȚINE ȘI UTILIZAREA ACESTORA http://online.osim.ro/cgi- bin/invsearch8	Limban Carmen; Missir Alexandru Vasile; Chiriță Ileana Cornelia; Drăghici Constantin; Căproiu Miron Teodor; Chifiriuc Mariana Carmen ; Drăcea Nicoleta Olguța
3	a 2009 00173	00123055 eliberat 24/02/2009	C07D 313/12	DERIVAȚI DE O-ACIL-2-ETIL-11- OXIMINO-6,11-DIHIDRO- DIBENZ[b,e]OXEPINĂ, COMPOZIȚIE FARMACEUTICĂ CE ÎI CUPRINDE ȘI UTILIZAREA ACESTORA http://online.osim.ro/cgi- bin/invsearch8	Limban Carmen; Missir Alexandru Vasile; Chiriță Ileana Cornelia; Căproiu Miron Teodor; Chifiriuc Mariana Carmen ; Israil Anca Michaela; Delcaru Cristina
4	a 2008 00417	00123114 eliberat 03/06/2008	C07D 337/10	DERIVAȚI DE 6,11- DIHIDRODIBENZO(b,e)TIEPIN-5,5- DIOXID, PROCEDEU DE PREPARARE A ACESTORA, COMPOZIȚIE FARMACEUTICĂ CE ÎI CONȚINE ȘI UTILIZAREA LOR CA AGENȚI ANTIMICROBIENI http://online.osim.ro/cgi- bin/invsearch8	Stecoza Camelia Elena; Chiriță Ileana Cornelia; Căproiu Miron Teodor; Drăghici Constantin; Chifiriuc Mariana Carmen ; Ilie Corina
5	a 2005 01089	00123145 eliberat 28/12/2005	C12Q 1/18	METODĂ DE DETERMINARE A SENSIBILITĂȚII LA SUBSTANȚE ANTIMICROBIENE A BIOFILMELOR BACTERIENE http://online.osim.ro/cgi- bin/invsearch8	Lazăr Veronica; Chifiriuc Mariana-Carmen ; Cernat Ramona; Bulai Doina
6	a 2005 01090	00123146 eliberat 28/12/2005	C12Q 1/18	METODĂ DE DETERMINARE A SENSIBILITĂȚII LA SUBSTANȚE ANTIMICROBIENE A BIOFILMELOR MICROBIENE http://online.osim.ro/cgi- bin/invsearch8	Lazăr Veronica; Chifiriuc Mariana-Carmen ; Cernat Ramona; Bulai Doina
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Author(s): Popa, LI; Gheorghe, I; Barbu, IC; Surleac, M; Paraschiv, S; Marutescu, L; Popa, M; Pircalabioru, GG; Talapan, D; Nita, M; Streinu-Cercel, A; Streinu-Cercel, A; Otelea, D; **Chifiriuc, MC**

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ISSN: 0272-8842

eISSN: 1873-3956

44. Bioactive Wound Dressings for the Management of Chronic Wounds

Author(s): Georgescu, M; ***Chifiriuc, MC**; Marutescu, L; Gheorghe, I; Lazar, V; Bolocan, A; Bertesteanu, S

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 21 **Issue:** 1 **Pages:** 53-63

DOI: 10.2174/1385272820666160510171040 **Published:** 2017

ISSN: 1385-2728

eISSN: 1875-5348

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Author(s): Saviuc, C; Ciubuca, B; Dinca, G; Bleotu, C; Drumea, V; ***Chifiriuc, MC**; Popa, M; Pircalabioru, GG; Marutescu, L; Lazar, V

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 18 **Issue:** 1 **Article**

Number: 175 **DOI:** 10.3390/ijms18010175 **Published:** JAN 2017

ISSN: 1422-0067

46. Molecular characterization of virulence and resistance features in *Staphylococcus aureus* clinical strains isolated from cutaneous lesions in patients with drug adverse reactions

Author(s): Gheorghe, I; Tatu, AL; Lupu, I; Thamer, O; Cotar, AI; Pircalabioru, GG; Popa, M; Cristea, VC; Lazar, V; **Chifiriuc, MC**

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 22 **Issue:** 1 **Pages:** 12321-12327

Published: JAN-FEB 2017

ISSN: 1224-5984

47. Phenotypic and Genetic Evaluation of the Influence of *Pseudomonas aeruginosa* Culture Fractions on the Human Mesenchymal Stem Cells Viability, Apoptotic Pathways and Cytokine Profile

Author(s): Holban, AM; Bleotu, C; ***Chifiriuc, MC**; Lazar, V

Source: CURRENT STEM CELL RESEARCH & THERAPY **Volume:** 12 **Issue:** 2 **Pages:** 175-180

DOI: 10.2174/1574888X10666151026114817 **Published:** 2017

48. Microbial Biofilms in Urinary Tract Infections and Prostatitis: Etiology, Pathogenicity, and Combating strategies

Author(s): Delcaru, C; Alexandru, I ; Podgoreanu, P; Grosu, M; Stavropoulos, E; ***Chifiriuc, MC**; Lazar, V

Source: PATHOGENS **Volume:** 5 **Issue:** 4 **Article**

Number: 65 **DOI:** 10.3390/pathogens5040065 **Published:** DEC 2016

ISSN: 2076-0817

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Author(s): Marinescu, G; Culita, DC; Patron, L; Stanica, N; Nita, S; Musuc, AM; Bleotu, C; Popa, M; Kamerzan, C; **Chifiriuc, MC**

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 61 **Issue:** 10 **Pages:** 779-786

Published: OCT 2016

ISSN: 0035-3930

50. Investigation of optical, structural, morphological and antimicrobial properties of carboxymethyl cellulose capped Ag-ZnO nanocomposites prepared by chemical and mechanical methods

Author(s): Lungu, MV; Vasile, E; Lucaci, M; Patroi, D; Mihailescu, N; Grigore, F; Marinescu, V; Bratulescu, A; Mitrea, S; Sobetskii, A; Sobetskii, AA; Popa, M; **Chifiriuc, MC**

Source: MATERIALS CHARACTERIZATION **Volume:** 120 **Pages:** 69-81

DOI: 10.1016/j.matchar.2016.08.022 **Published:** OCT 2016

ISSN: 1044-5803

eISSN: 1873-4189

51. Synthesis of nanocrystalline cobalt ferrite through soft chemistry methods: A green chemistry approach using sesame seed extract

Author(s): Gingasu, D; Mindru, I; Mocioiu, OC; Preda, S; Stanica, N; Patron, L; Ianculescu, A; Oprea, O; Nita, S; Paraschiv, I; Popa, M; Saviuc, C; Bleotu, C; **Chifiriuc, MC**

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 182 **Pages:** 219-230

DOI: 10.1016/j.matchemphys.2016.07.026 **Published:** OCT 1 2016

ISSN: 0254-0584

eISSN: 1879-3312

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Author(s): Lupu, I; Gheorghe, I; Popa, M; Ion, A; Mihai, M; Lazar, V; **Chifiriuc, MC**

Source: FEBS JOURNAL **Meeting Abstract:** P04011-010 **Volume:** 283 **Special Issue:** SI

Pages: 148-148 **Supplement:** 1 **Published:** SEP 2016

ISSN: 1742-464X

eISSN: 1742-4658

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Author(s): Tudose, M; Culita, DC; Musuc, AM; Marinescu, G; Somacescu, S; Munteanu, C; Bleotu, C; **Chifiriuc, MC**

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND

MATERIALS **Volume:** 26 **Issue:** 5 **Pages:** 1043-1052 **DOI:** 10.1007/s10904-016-0407-6

Published: SEP 2016

ISSN: 1574-1443

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Author(s): Stoica, AO; Andronesu, E; Ghitulica, CD; Voicu, G; Grumezescu, AM; Popa, M; **Chifiriuc, MC**

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 510 **Issue:** 2

Pages: 430-438 **DOI:** 10.1016/j.ijpharm.2015.09.043 **Published:** AUG 30 2016

ISSN: 0378-5173

eISSN: 1873-3476

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Author(s): Saviuc, C; Gheorghe, I; Coban, S; Drumea, V; ***Chifiriuc, MC**; Banu, O; Bezirtzoglou, E; Lazar, V

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 21 **Issue:** 4

Pages: 11782-11790 **Published:** JUL-AUG 2016

ISSN: 1224-5984

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Author(s): Radulescu, D; Voicu, G; Oprea, AE; Andronesu, E; Grumezescu, V; Holban, AM; Vasile, BS; Surdu, AV; Grumezescu, AM; Socol, G; Mogoanta, L; Mogosanu, GD; Balaure, PC; Radulescu, R;

Chifiriuc, MC

Source: APPLIED SURFACE SCIENCE **Volume:** 374 **Pages:** 165-171

DOI: 10.1016/j.apsusc.2015.10.183 **Published:** JUN 30 2016

ISSN: 0169-4332

eISSN: 1873-5584

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Author(s): Radulescu, M; Holban, AM; Mogoanta, L; Balseanu, TA; Mogosanu, GD; Savu, D; Popescu, RC; Fufa, O; Grumezescu, AM; Bezirtzoglou, E; Lazar, V; **Chifiriuc, MC**

Source: MOLECULES **Volume:** 21 **Issue:** 6 **Article Number:** 761

DOI: 10.3390/molecules21060761 **Published:** JUN 2016

ISSN: 1420-3049

58. Antimicrobial Nanostructured Bioactive Coating Based on Fe₃O₄ and Patchouli Oil for Wound Dressing

Author(s): Radulescu, M; Andronesu, E; Holban, AM; Vasile, BS; Iordache, F; Mogoanta, L; Mogosanu, GD; Grumezescu, AM; Georgescu, M; **Chifiriuc, MC**

Source: METALS **Volume:** 6 **Issue:** 5 **Article Number:** 103

DOI: 10.3390/met6050103 **Published:** MAY 2016

eISSN: 2075-4701

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Author(s): **Chifiriuc, MC**; Ratiu, AC; Popa, M; Ecovoiu, AA

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 17 **Issue:** 2

Article Number: 36 **DOI:** 10.3390/ijms17020036 **Published:** FEB 2016

eISSN: 1422-0067

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Author(s): Ciubuca, BM; Saviuc, CM; ***Chifiriuc, MC**; Lazar, V

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 20 **Issue:** 28 **Pages:** 2983-2988
DOI: 10.2174/1385272820666160510165625 **Published:** 2016
ISSN: 1385-2728
eISSN: 1875-5348

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Author(s): Georgescu, M; Gheorghe, I; Curutiu, C; Lazar, V; Bleotu, C; **Chifiriuc, MC**
Source: BMC INFECTIOUS DISEASES **Volume:** 16 **Article Number:** 92
DOI: 10.1186/s12879-016-1396-3 **Supplement:** 1 **Published:** 2016
eISSN: 1471-2334

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Author(s): Lazar, V; Saviuc, CM; **Chifiriuc, MC**
Source: CURRENT PHARMACEUTICAL DESIGN **Volume:** 22 **Issue:** 2 **Pages:** 230-237
DOI: 10.2174/138161282202151221124307 **Published:** 2016
ISSN: 1381-6128
eISSN: 1873-4286

63. Anti-Pathogenic Effect of Propolis Extracts from Different Romanian Regions on *Staphylococcus* Sp Clinical Strains

Author(s): Stan, T; Marutescu, L; ***Chifiriuc, MC**; Lazar, V
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 21 **Issue:** 1
Pages: 11166-11175 **Published:** JAN-FEB 2016
ISSN: 1224-5984

64. Green Synthesis Methods of CoFe₂O₄ and Ag-CoFe₂O₄ Nanoparticles Using Hibiscus Extracts and Their Antimicrobial Potential

Author(s): Gingasu, D; Mindru, I; Patron, L; Calderon-Moreno, JM; Mocioiu, OC; Preda, S; Stanica, N; Nita, S; Dobre, N; Popa, M; Gradisteanu, G; **Chifiriuc, MC**
Source: JOURNAL OF NANOMATERIALS **Volume:** 2016 **Article Number:** 2106756
DOI: 10.1155/2016/2106756 **Published:** 2016
ISSN: 1687-4110
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Author(s): Georgescu, M; Gheorghe, I; Ghiatau, CF; Dascalu, L; **Chifiriuc, CM**
Source: JOURNAL OF INVESTIGATIVE DERMATOLOGY **Meeting Abstract:** 368
Volume: 135 **Pages:** S63-S63 **Supplement:** 2 **Published:** SEP 2015
ISSN: 0022-202X
eISSN: 1523-1747

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Author(s): Tudose, M; Culita, DC; Munteanu, C; Pandele, J; Hristea, E; Ionita, P; Zarafu, I; **Chifiriuc, MC**
Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS **Volume:** 25 **Issue:** 4 **Pages:** 869-878
DOI: 10.1007/s10904-015-0176-7 **Published:** JUL 2015
ISSN: 1574-1443
eISSN: 1574-1451

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Author(s): Grumezescu, V; Andronescu, E; Holban, AM; Mogoanta, L; Mogosanu, GD; Grumezescu, AM ; Stanculescu, A; Socol, G; Iordache, F; Maniu, H; **Chifiriuc, MC**
Source: APPLIED SURFACE SCIENCE **Volume:** 336 **Pages:** 188-195
DOI: 10.1016/j.apsusc.2014.10.177 **Published:** MAY 1 2015
ISSN: 0169-4332
eISSN: 1873-5584
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- 68.** Fabrication, characterization and bioevaluation of novel antimicrobial composites based on polycaprolactone, chitosan and essential oils
Author(s): Stoica, P; ***Chifiriuc, MC**; Rapa, M; Bleotu, C; Lungu, L; Vlad, G; Grigore, R; Bertesteanu, S; Stavropoulou, E; Lazar, V
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 20 **Issue:** 3
Pages: 10521-10535 **Published:** MAY-JUN 2015
ISSN: 1224-5984
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- 69.** SYNTHESIS AND BIOEVALUATION OF MAGNETIC PARTICLES BASED ON CHITOSAN AND PHYTOCOMPONENTS FROM *Eugenia carryophyllata* AQUEOUS EXTRACT
Author(s): Anghel, I; Grumezescu, AM; Anghel, AG; Saviuc, C; Croitoru, C; Mihaiescu, DE; **Chifiriuc, CM**
Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL
Volume: 14 **Issue:** 4 **Pages:** 855-861
DOI: 10.30638/eemj.2015.096 **Published:** APR 2015
ISSN: 1582-9596
eISSN: 1843-3707
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Author(s): Tudose, M; Culita, DC; Ionita, P; **Chifiriuc, MC**
Source: CERAMICS INTERNATIONAL
Volume 41, **Issue** 3, Part B, **Pages** 4460-4467
Published: APR 2015 **DOI.org/**10.1016/j.ceramint.2014.11.138
ISSN: 0272-8842
eISSN: 1873-3956
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Author(s): Mihai, MM; Holban, AM; Giurcaneanu, C; Popa, LG; Oanea, RM; Lazar, V; **Chifiriuc, MC**; Popa, M; Popa, MI
Source: CURRENT TOPICS IN MEDICINAL CHEMISTRY **Volume:** 15 **Issue:** 16
Pages: 1552-1576 **Published:** 2015
ISSN: 1568-0266
eISSN: 1873-5294
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Author(s): Pop, CS; Hussien, MD; Popa, M; Mares, A; Grumezescu, AM; Grigore, R; Lazar, V; ***Chifiriuc, MC**; Sakizlian, M; Bezirtzoglou, E; Bertesteanu, S
Source: CURRENT TOPICS IN MEDICINAL CHEMISTRY **Volume:** 15 **Issue:** 16
Pages: 1577-1582 **Published:** 2015
ISSN: 1568-0266
eISSN: 1873-5294
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73. Recognition and Impact of Host-derived Molecules on Bacterial Cell-to-cell Signalling Pathways

Author(s): Holban, AM; ***Chifiriuc, MC**; Lazar, V

Source: MEDICINAL CHEMISTRY **Volume:** 11 **Issue:** 7 **Pages:** 610-617

DOI: 10.2174/1573406411666150305113146 **Published:** 2015

ISSN: 1573-4064

eISSN: 1875-6638

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Author(s): Ciolan, F; Patron, L; Marutescu, L; **Chifiriuc, MC**

Source: FARMACIA **Volume:** 63 **Issue:** 1 **Pages:** 86-92 **Published:** JAN-FEB 2015

ISSN: 0014-8237

eISSN: 2065-0019

75. Significance of serum antibodies against HSP 60 and HSP 70 for the diagnostic of infectious diseases (vol 5, pg 828, 2014)

Author(s): Bleotu, C; ***Chifiriuc, MC**; Pircalabioru, G ; Bertesteanu, SG; Grigore, R ; Ruta, SM; Banu, O; Lazar, V

Source: VIRULENCE **Volume:** 6 **Issue:** 1 **Pages:** 101-101

DOI: 10.1080/21505594.2015.1012469 **Published:** JAN 2015

ISSN: 2150-5594

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Author(s): Mateescu, AL; Dimov, TV; Grumezescu, AM; Gestal, MC; **Chifiriuc, MC**

Source: CURRENT PHARMACEUTICAL BIOTECHNOLOGY **Volume:** 16 **Issue:** 2

Pages: 121-127 **DOI:** 10.2174/1389201015666141202110919 **Published:** 2015

ISSN: 1389-2010

eISSN: 1873-4316

77. Essential Oils with Microbicidal and Antibiofilm Activity

Author(s): Saviuc, CM; Drumea, V; Olariu, L; ***Chifiriuc, MC**; Bezirtzoglou, E; Lazar, V

Source: CURRENT PHARMACEUTICAL BIOTECHNOLOGY **Volume:** 16 **Issue:** 2

Pages: 137-151 **DOI:** 10.2174/138920101602150112151549 **Published:** 2015

ISSN: 1389-2010

eISSN: 1873-4316

78. Nanobioactive Structures for Drug Targeting and Delivery

Author(s): **Chifiriuc, CM** ; Grumezescu, AM

Source: CURRENT TOPICS IN MEDICINAL CHEMISTRY **Volume:** 15 **Issue:** 15

Pages: 1423-1423 **DOI:** 10.2174/1568026615666150414112350 **Published:** 2015

ISSN: 1568-0266

eISSN: 1873-4294

79. Micro and Nanoscale Materials for Boosting the Antimicrobial Fight

Author(s): **Chifiriuc, CM**; Grumezescu, AM

Source: CURRENT TOPICS IN MEDICINAL CHEMISTRY **Volume:** 15 **Issue:** 16

Pages: 1551-1551 **DOI:** 10.2174/1568026615666150414112925 **Published:** 2015

ISSN: 1568-0266

eISSN: 1873-4294

80. Insights on Metal Based Dental Implants and their Interaction with the Surrounding Tissues
Author(s): Popa, M; Hussien, MD; Cirstea, A; Grigore, R; Lazar, V; Bezirtzoglou, E; ***Chifiriuc, MC**; Sakizlian, M; Stavropoulou, E; Bertesteanu, S
Source: CURRENT TOPICS IN MEDICINAL CHEMISTRY **Volume:** 15 **Issue:** 16
Pages: 1614-1621 **Published:** 2015
ISSN: 1568-0266
eISSN: 1873-5294

81. Efficiency of Vanilla, Patchouli and Ylang Ylang Essential Oils Stabilized by Iron Oxide@C-14 Nanostructures against Bacterial Adherence and Biofilms Formed by Staphylococcus aureus and Klebsiella pneumoniae Clinical Strains
Author(s): Bilcu, M; Grumezescu, AM; Oprea, AE; Popescu, RC; Mogosanu, GD; Hristu, R; Stanciu, GA; Mihailescu, DF; Lazar, V; Bezirtzoglou, E; **Chifiriuc, MC**
Source: MOLECULES **Volume:** 19 **Issue:** 11 **Pages:** 17943-17956
DOI: 10.3390/molecules191117943 **Published:** NOV 2014
ISSN: 1420-3049

82. ESBL genes in Multi Drug Resistant Gram negative strains isolated in a one year survey from an Intensive Care Unit in Bucharest, Romania
Author(s): Czobor, I; Gheorghe, I; Banu, O; Velican, A; Lazar, V; Mihaescu, G; **Chifiriuc, MC**
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 19 **Issue:** 4 **Pages:** 9553-9560
Published: JUL-AUG 2014
ISSN: 1224-5984

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Author(s): Mateescu, AL; Mitache, MM; ***Chifiriuc, MC**; Dimov, TV
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 19 **Issue:** 3 **Pages:** 9409-9420
Published: JUN-JUL 2014
ISSN: 1224-5984

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Author(s): Grumezescu, V; Socol, G; Grumezescu, AM; Holban, AM; Ficai, A; Trusca, R; Bleotu, C; Balaure, PC; Cristescu, R; **Chifiriuc, MC**
Source: APPLIED SURFACE SCIENCE **Volume:** 302 **Pages:** 262-267
DOI: 10.1016/j.apsusc.2013.09.081 **Published:** MAY 30 2014
ISSN: 0169-4332
eISSN: 1873-5584

85. Keratin-Based Biomaterials for Biomedical Applications
Author(s): Mogosanu, GD; Grumezescu, AM; **Chifiriuc, MC**
Source: CURRENT DRUG TARGETS **Volume:** 15 **Issue:** 5 **Pages:** 518-530
DOI: 10.2174/1389450115666140307154143 **Published:** MAY 2014
ISSN: 1389-4501
eISSN: 1873-5592

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Author(s): Bertesteanu, S; Triaridis, S; Stankovic, M; Lazar, V; ***Chifiriuc, MC**; Vlad, M; Grigore, R
Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 463 **Issue:** 2
Pages: 119-126 **DOI:** 10.1016/j.ijpharm.2013.12.012 **Published:** MAR 25 2014
ISSN: 0378-5173
eISSN: 1873-3476

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Author(s): Grumezescu, AM; Ghitulica, CD; Voicu, G; Huang, KS; Yang, CH; Fikai, A; Vasile, BS; Grumezescu, V; Bleotu, C; **Chifiriuc, MC**

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 463 **Issue:** 2

Pages: 170-176 **DOI:** 10.1016/j.ijpharm.2013.07.016 **Published:** MAR 25 2014

ISSN: 0378-5173

eISSN: 1873-3476

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Author(s): Holban, AM; Bleotu, C; ***Chifiriuc, MC**; Bezirtzoglou, E; Lazar, V

Source: VIRULENCE **Volume:** 5 **Issue:** 2 **Pages:** 303-310 **DOI:** 10.4161/viru.27571

Published: FEB 15 2014

ISSN: 2150-5594

eISSN: 2150-5608

89. Contribution of Antimicrobial Peptides to the Development of New and Efficient Antimicrobial Strategies

Author(s): **Chifiriuc, MC**; Grumezescu, AM; Lazar, V; Bolocan, A; Triaridis, S; Grigore, R; Bertesteanu, S

ISSN: 1570-1646

eISSN: 1875-6247

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Author(s): Gheorghe, I; ***Chifiriuc, MC**; Cotar, AI; Lazar, V

Source: CURRENT PROTEOMICS **Volume:** 11 **Issue:** 2 **Pages:** 108-115

DOI: 10.2174/157016461102140917122103 **Published:** 2014

ISSN: 1570-1646

eISSN: 1875-6247

91. Class I and II Bacteriocins: Structure, Biosynthesis and Drug Delivery Systems for the Improvement of their Antimicrobial Activity

Author(s): Ditu, LM; ***Chifiriuc, MC**; Pelinescu, D; Avram, I; Pircalabioru, G; Mihaescu, G

Source: CURRENT PROTEOMICS **Volume:** 11 **Issue:** 2 **Pages:** 121-127

DOI: 10.2174/157016461102140917122421 **Published:** 2014

ISSN: 1570-1646

eISSN: 1875-6247

92. Quorum Sensing Inhibitors from the Sea: Lessons from Marine Symbiotic Relationships

Author(s): **Chifiriuc, MC**; Grumezescu, AM; Lazar, V

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 18 **Issue:** 7 **Pages:** 823-839

DOI: 10.2174/138527281807140515150356 **Published:** 2014

ISSN: 1385-2728

eISSN: 1875-5348

93. Carboxymethyl-cellulose/Fe₃O₄ nanostructures for antimicrobial substances delivery

Author(s): Vlad, M; Andronescu, E; Grumezescu, AM; Fikai, A; Voicu, G; Bleotu, C; **Chifiriuc, MC**

Source: BIO-MEDICAL MATERIALS AND ENGINEERING **Volume:** 24 **Issue:** 3

Pages: 1639-1646 **DOI:** 10.3233/BME-140967 **Published:** 2014

ISSN: 0959-2989
eISSN: 1878-3619

94. Biomedical Applications of Natural Polymers for Drug Delivery

Author(s): Chifiriuc, MC; Grumezescu, AM; Grumezescu, V; Bezirtzoglou, E; Lazar, V; Bolocan, A

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 18 **Issue:** 2 **Pages:** 152-164

DOI: 10.2174/138527281802140129104525 **Published:** JAN 2014

ISSN: 1385-2728

eISSN: 1875-5348

95. Prevention of Microbial Biofilms - The Contribution of Micro and Nanostructured Materials

Author(s): Grumezescu, AM; Chifiriuc, CM

Source: CURRENT MEDICINAL CHEMISTRY **Volume:** 21 **Issue:** 29 **Pages:** 3311-3311

DOI: 10.2174/0929867321666140304101314 **Published:** 2014

ISSN: 0929-8673

eISSN: 1875-533X

96. Biomedical Applications of Synthetic, Biodegradable Polymers for the Development of Anti-Infective Strategies

Author(s): Bertesteanu, S;* Chifiriuc, MC; Grumezescu, AM; Printza, AG; Marie-Paule, T; Grumezescu, V; Mihaela, V; Lazar, V; Grigore, R

Source: CURRENT MEDICINAL CHEMISTRY **Volume:** 21 **Issue:** 29 **Pages:** 3383-3390

DOI: 10.2174/0929867321666140304104328 **Published:** 2014

ISSN: 0929-8673

eISSN: 1875-533X

97. Silver-titanium dioxide nanocomposites as effective antimicrobial and antibiofilm agents

Author(s): Lungu, M; Gavrilu, S; Enescu, E; Ion, I; Bratulescu, A; Mihaescu, G; Marutescu, L; Chifiriuc, MC

Source: JOURNAL OF NANOPARTICLE RESEARCH **Volume:** 16 **Issue:** 1 **Article Number:** 2203

DOI: 10.1007/s11051-013-2203-3 **Published:** DEC 24 2013

ISSN: 1388-0764

eISSN: 1572-896X

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Author(s): Holban, AM; *Chifiriuc, MC; Cotar, AI; Bleotu, C; Grumezescu, AM; Banu, O; Lazar, V

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 18 **Issue:** 6 **Pages:** 8843-8854

Published: NOV-DEC 2013

ISSN: 1224-5984

99. Water dispersible cross-linked magnetic chitosan beads for increasing the antimicrobial efficiency of aminoglycoside antibiotics

Author(s): Grumezescu, AM; Andronescu, E; Holban, AM; Fikai, A; Fikai, D; Voicu, G; Grumezescu, V; Balaure, PC; Chifiriuc, CM

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 454 **Issue:** 1

Pages: 233-240 **DOI:** 10.1016/j.ijpharm.2013.06.054 **Published:** SEP 15 2013

ISSN: 0378-5173

eISSN: 1873-3476

100. Biohybrid Nanostructured Iron Oxide Nanoparticles and Satureja hortensis to Prevent Fungal Biofilm Development

Author(s): Anghel, I; Grumezescu, AM; Holban, AM; Fikai, A; Anghel, AG; **Chifiriuc, MC**
Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES
Volume: 14 **Issue:** 9 **Pages:** 18110-18123 **DOI:** 10.3390/ijms140918110 **Published:** SEP 2013
eISSN: 1422-0067

101. Water dispersible magnetite nanoparticles influence the efficacy of antibiotics against planktonic and biofilm embedded Enterococcus faecalis cells

Author(s): **Chifiriuc, MC**; Grumezescu, AM; Andronesu, E; Fikai, A; Cotar, AI; Grumezescu, V; Bezirtzoglou, E; Lazar, V; Radulescu, R
Source: ANAEROBE **Volume:** 22 **Pages:** 14-19
DOI: 10.1016/j.anaerobe.2013.04.013 **Published:** AUG 2013
ISSN: 1075-9964
eISSN: 1095-8274

102. In vitro activity of the new water-dispersible Fe₃O₄@usnic acid nanostructure against planktonic and sessile bacterial cells

Author(s): Grumezescu, AM; Cotar, AI; Andronesu, E; Fikai, A; Ghitulica, CD; Grumezescu, V; Vasile, BS; **Chifiriuc, MC**
Source: JOURNAL OF NANOPARTICLE RESEARCH **Volume:** 15 **Issue:** 7 **Article Number:** 1766
DOI: 10.1007/s11051-013-1766-3 **Published:** JUL 2013
ISSN: 1388-0764
eISSN: 1572-896X

103. Magnetic Nanoparticles for Controlling in vitro Fungal Biofilms

Author(s): **Chifiriuc, MC**; Grumezescu, AM; Saviuc, C; Hristu, R; Grumezescu, V; Bleotu, C; Stanciu, G; Mihaiescu, DE; Andronesu, E; Lazar, V; Radulescu, R
Source: CURRENT ORGANIC CHEMISTRY **Volume:** 17 **Issue:** 10 **Pages:** 1023-1028
DOI: 10.2174/1385272811317100004 **Published:** MAY 2013
ISSN: 1385-2728
eISSN: 1875-5348

104. Biocompatible Magnetic Hollow Silica Microspheres for Drug Delivery

Author(s): Grumezescu, AM; Andronesu, E; Fikai, A; Grumezescu, V; Bleotu, C; Saviuc, C; Mihaiescu, DE; **Chifiriuc, CM**
Source: CURRENT ORGANIC CHEMISTRY **Volume:** 17 **Issue:** 10 **Pages:** 1029-1033
DOI: 10.2174/1385272811317100005 **Published:** MAY 2013
ISSN: 1385-2728
eISSN: 1875-5348

105. Efficient surface functionalization of wound dressings by a phytoactive nanocoating refractory to Candida albicans biofilm development

Author(s): Anghel, I; Holban, AM; Andronesu, E; Grumezescu, AM; **Chifiriuc, MC**
Source: BIOINTERPHASES **Volume:** 8 **Article Number:** 12 **DOI:** 10.1186/1559-4106-8-12
Published: APR 25 2013
ISSN: 1934-8630
eISSN: 1559-4106

106. Antitumor Activity of Magnetite Nanoparticles: Influence of Hydrocarbonated Chain of Saturated Aliphatic Monocarboxylic Acids

Author(s): Voicu, G; Andronesu, E; Grumezescu, AM; Huang, KS; Fikai, A; Yang, CH; Bleotu, C; **Chifiriuc, MC**
Source: CURRENT ORGANIC CHEMISTRY **Volume:** 17 **Issue:** 8 **Pages:** 831-840

DOI: 10.2174/1385272811317080008 **Published:** APR 2013

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eISSN: 1875-5348

107. Caprolactam-silica network, a strong potentiator of the antimicrobial activity of kanamycin against Gram-positive and Gram-negative bacterial strains

Author(s): Voicu, G; Grumezescu, V; Andronesu, E; Grumezescu, AM; Fikai, A; Fikai, D; Ghitulica, CD; Gheorghe, I; **Chifiriuc, MC**

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 446 **Issue:** 1-2

Pages: 63-69 **DOI:** 10.1016/j.ijpharm.2013.02.011 **Published:** MAR 25 2013

ISSN: 0378-5173

eISSN: 1873-3476

108. Investigation of Th1/Th2 cytokine profiles in patients with laryngo-pharyngeal, HPV-positive cancers

Author(s): Bleotu, C; **Chifiriuc, MC**; Grigore, R; Grancea, C; Popescu, CR; Anton, G; Cernescu, C

Source: EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY

Volume: 270 **Issue:** 2 **Pages:** 711-718 **DOI:** 10.1007/s00405-012-2067-7 **Published:** FEB 2013

ISSN: 0937-4477

eISSN: 1434-4726

109. Special Issue on Quorum Sensing Inhibitors: Synthesis, Optimization, and Emerging Biomedical Applications

Author(s): **Chifiriuc, MC**

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 17 **Issue:** 2 **Pages:** 89-89

Published: JAN 2013

ISSN: 1385-2728

eISSN: 1875-5348

110. Current Solutions for the Interception of Quorum Sensing in Staphylococcus aureus

Author(s): Cotar, AI; Ionescu, B; Pelinescu, D; Voidarou, C; Lazar, V; Bezirtzoglou, E; **Chifiriuc, MC**

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 17 **Issue:** 2 **Pages:** 97-104

Published: JAN 2013

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eISSN: 1875-5348

111. Pseudomonas aeruginosa -Eukaryotic Cell Crosstalk: Mediators, Mechanisms and Implications for the Antimicrobial Therapy

Author(s): Curutiu, C; ***Chifiriuc, MC**; Mitache, MM

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 17 **Issue:** 2 **Pages:** 149-154

DOI: 10.2174/1385272811317020011 **Published:** JAN 2013

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eISSN: 1875-5348

112. Anti-pathogenic Strategies for Fighting Pseudomonas aeruginosa Infections- probiotic Soluble Compounds as Inhibitors of Quorum Sensing Genes Expression

Author(s): Cotar, AI; Saviuc, C; Nita, RA; Bezirtzoglou, E; Lazar, V; **Chifiriuc, MC**

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 17 **Issue:** 2 **Pages:** 155-161

Published: JAN 2013

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eISSN: 1875-5348

113. Antimicrobial Potential of Benzamides and Derived Nanosystems for Controlling in vitro Biofilm Development on Medical Devices

Author(s): Limban, C; Grumezescu, AM; Chirea, M; Matei, L; **Chifiriuc, MC**

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 17 **Issue:** 2 **Pages:** 162-175

DOI: 10.2174/1385272811317020013 **Published:** JAN 2013

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eISSN: 1875-5348

114. EUGENIA CARYOPHYLLATA ESSENTIAL OIL-SiO₂ BIOHYBRID STRUCTURE FOR THE POTENTIATION OF ANTIBIOTICS' ACTIVITY

Author(s): Grumezescu, AM; Andronesu, E; Fica, A; Voicu, G; Cocos, O; **Chifiriuc, MC**

Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS

Volume: 43 **Issue:** 2 **Pages:** 160-166 **Published:** 2013

ISSN: 1583-3186

115. Modified wound dressing with phyto-nanostructured coating to prevent staphylococcal and pseudomonal biofilm development

Author(s): Anghel, I; Holban, AM; Grumezescu, AM; Andronesu, E; Fica, A; Anghel, AG; Maganu, M; Lazar, V; **Chifiriuc, MC**

Source: NANOSCALE RESEARCH LETTERS **Volume:** 7 **Pages:** 1-8 **Article Number:** 690

DOI: 10.1186/1556-276X-7-690 **Published:** DEC 31 2012

ISSN: 1931-7573

eISSN: 1556-276X

116. Hybrid Nanomaterial for Stabilizing the Antibiofilm Activity of Eugenia caryophyllata Essential Oil

Author(s): Grumezescu, AM; **Chifiriuc, MC**; Saviuc, C; Grumezescu, V; Hristu, R; Mihaiescu, DE; Stanciu, GA; Andronesu, E

Source: IEEE TRANSACTIONS ON NANOBIOSCIENCE **Volume:** 11 **Issue:** 4 **Pages:** 360-365

DOI: 10.1109/TNB.2012.2208474 **Published:** DEC 2012

ISSN: 1536-1241

eISSN: 1558-2639

117. Influence of hybrid inorganic/organic mesoporous and nanostructured materials on the cephalosporins' efficacy on different bacterial strains

Author(s): **Chifiriuc, MC**; Mihaiescu, D; Ilinca, E; Marutescu, L; Mihaiescu, G; Grumezescu, AM

Source: IET NANOBIO TECHNOLOGY **Volume:** 6 **Issue:** 4 **Pages:** 156-161

DOI: 10.1049/iet-nbt.2011.0066 **Published:** DEC 2012

ISSN: 1751-8741

eISSN: 1751-875X

118. Improved antibacterial activity of cephalosporins loaded in magnetic chitosan microspheres

Author(s): **Chifiriuc, CM**; Grumezescu, AM; Saviuc, C; Croitoru, C; Mihaiescu, DE; Lazar, V

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 436 **Issue:** 1-2

Pages: 201-205 **DOI:** 10.1016/j.ijpharm.2012.06.031 **Published:** OCT 15 2012

ISSN: 0378-5173

eISSN: 1873-3476

119. Synthesis, characterization and in vitro assessment of the magnetic chitosan-carboxymethylcellulose biocomposite interactions with the prokaryotic and eukaryotic cells

Author(s): Grumezescu, AM; Andronesu, E; Fica, A; Bleotu, C; Mihaiescu, DE; **Chifiriuc, MC**

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 436 **Issue:** 1-2

Pages: 771-777 **DOI:** 10.1016/j.ijpharm.2012.07.063 **Published:** OCT 15 2012

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eISSN: 1873-3476

120. POLYMERIC MAGNETIC SILICA MICROSPHERES AS A DRUG LOADER FOR ANTIMICROBIAL DELIVERY SUBSTANCES

Author(s): Grumezescu, AM; Fikai, A; Fikai, D; Predan, G; **Chifiriuc, MC**

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES

Volume: 7 **Issue:** 4 **Pages:** 1891-1896 **Published:** OCT-DEC 2012

ISSN: 1842-3582

121. Optimized Anti-pathogenic Agents Based on Core/Shell Nanostructures and 2-((4-Ethylphenoxy)ethyl)-N-(substituted-phenylcarbamothioyl)-benzamides

Author(s): Limban, C; Grumezescu, AM; Saviuc, C; Voicu, G; Predan, G; Sakizlian, R; **Chifiriuc, MC**

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES

Volume: 13 **Issue:** 10 **Pages:** 12584-12597 **DOI:** 10.3390/ijms131012584 **Published:** OCT 2012

ISSN: 1661-6596

eISSN: 1422-0067

122. In vitro evaluation of anti-pathogenic surface coating nanofluid, obtained by combining Fe₃O₄/C-12 nanostructures and 2-((4-ethylphenoxy)methyl)-N-(substituted-phenylcarbamothioyl)-benzamides

Author(s): Anghel, I; Limban, C; Grumezescu, AM; Anghel, AG; Bleotu, C ; **Chifiriuc, MC**

Source: NANOSCALE RESEARCH LETTERS **Volume:** 7 **Article Number:** 513

DOI: 10.1186/1556-276X-7-513 **Published:** SEP 19 2012

ISSN: 1931-7573

eISSN: 1556-276X

124. Magnetite nanoparticles for functionalized textile dressing to prevent fungal biofilms development

Author(s): Anghel, I; Grumezescu, AM; Andronesu, E; Anghel, AG; Fikai, A; Saviuc, C; Grumezescu, V; Vasile, BS; **Chifiriuc, MC**

Source: NANOSCALE RESEARCH LETTERS **Volume:** 7 **Article Number:** 501

DOI: 10.1186/1556-276X-7-501 **Published:** SEP 6 2012

ISSN: 1931-7573

eISSN: 1556-276X

125. ANTIBIOTIC POTENTIATOR EFFECT OF THE NATURAL AND SYNTHETIC ZEOLITES WITH WELL DEFINED NANOPORES WITH POSSIBLE ENT CLINICAL APPLICATIONS

Author(s): Anghel, I; Grumezescu, AM; Anghel, AG; Chireac, I; Marutescu, L; Mihaiescu, DE; **Chifiriuc, MC**

Source: FARMACIA **Volume:** 60 **Issue:** 5 **Pages:** 688-695 **Published:** SEP-OCT 2012

ISSN: 0014-8237

eISSN: 2065-0019

126. PROTECTIVE EFFECT OF MAGNETITE NANOPARTICLE/SALVIA OFFICINALIS ESSENTIAL OIL HYBRID NANOBIOSYSTEM AGAINST FUNGAL COLONIZATION ON THE PROVOX (R) VOICE SECTION PROSTHESIS

Author(s): Anghel, I; Grumezescu, V; Andronesu, E; Anghel, GA; Grumezescu, AM; Mihaiescu, DE; **Chifiriuc, MC**

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES

Volume: 7 **Issue:** 3 **Pages:** 1205-1212 **Published:** JUL-SEP 2012

ISSN: 1842-3582

127. Hybrid magnetite nanoparticles/Rosmarinus officinalis essential oil nanobiosystem with antibiofilm activity

Author(s): Chifiriuc, C; Grumezescu, V; Grumezescu, AM; Saviuc, C; Lazar, V; Andronescu, E

Source: NANOSCALE RESEARCH LETTERS **Volume:** 7 **DOI:** 10.1186/1556-276X-7-209

Published: APR 10 2012

ISSN: 1556-276X

128. PHENOTYPIC AND GENOTYPIC ASSESSMENT OF VIRULENCE FACTORS IN BETA-HEMOLYTIC STREPTOCOCCI ISOLATED FROM KINDERGARTEN INFANTILE POPULATION, WITH OR WITHOUT CLINICAL SYMPTOMS, INCLUDING SCARLET FEVER

Author(s): Anghel, I; *Chifiriuc, MC; Mitache, M; Marutescu, L; Anghel, AG; Popa, M; Pelinescu, D; Bleotu, C; Lazar, V

Source: FARMACIA **Volume:** 60 **Issue:** 1 **Pages:** 21-31 **Published:** JAN-FEB 2012

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129. Interaction of bacteria isolated from clinical biofilms with cardiovascular prosthetic devices and eukaryotic cells

Author(s): Chifiriuc, MC; Banu, O; Bleotu, C; Lazar, V

Source: ANAEROBE **Volume:** 17 **Issue:** 6 **Special Issue:** SI **Pages:** 419-421

DOI: 10.1016/j.anaerobe.2011.04.016 **Published:** DEC 2011

ISSN: 1075-9964

130. In vitro assay of the antimicrobial activity of kephir against bacterial and fungal strains

Author(s): Chifiriuc, MC; Cioaca, AB; Lazar, V

Source: ANAEROBE **Volume:** 17 **Issue:** 6 **Special Issue:** SI **Pages:** 433-

435 **DOI:** 10.1016/j.anaerobe.2011.04.020 **Published:** DEC 2011

ISSN: 1075-9964

eISSN: 1095-8274

131. Modulation of virulence and antibiotic susceptibility of enteropathogenic Escherichia coli strains by Enterococcus faecium probiotic strain culture fractions

Author(s): Ditu, LM; *Chifiriuc, MC; Bezirtzoglou, E; Voltsi, C; Bleotu, C; Pelinescu, D; Mihaescu, G; Lazar, V

Source: ANAEROBE **Volume:** 17 **Issue:** 6 **Special Issue:** SI **Pages:** 448-451

DOI: 10.1016/j.anaerobe.2011.05.019 **Published:** DEC 2011

ISSN: 1075-9964

eISSN: 1095-8274

132. Inhibitory Activity of Fe₃O₄/Oleic Acid/Usnic Acid-Core/Shell/Extra-Shell Nanofluid on S. aureus Biofilm Development

Author(s): Grumezescu, AM; Saviuc, C; *Chifiriuc, MC; Hristu, R; Mihaiescu, DE; Balaure, P; Stanciu, GA; Lazar, V

Source: IEEE TRANSACTIONS ON NANOBIOSCIENCE **Volume:** 10 **Issue:** 4 **Pages:** 269-274

DOI: 10.1109/TNB.2011.2178263 **Published:** DEC 2011

ISSN: 1536-1241

eISSN: 1558-2639

133. PATHOGENIC FEATURES AND THERAPEUTICAL IMPLICATIONS OF BIOFILM DEVELOPMENT ABILITY IN MICROBIAL STRAINS ISOLATED FROM RHINOLOGIC CHRONIC INFECTIONS

Author(s): Anghel, I; *Chifiriuc, MC; Anghel, GA

Source: FARMACIA **Volume:** 59 **Issue:** 6 **Pages:** 770-783 **Published:** NOV-DEC 2011

134. Antibacterial Activity of New Dibenzoxepinone Oximes with Fluorine and Trifluoromethyl Group Substituents

Author(s): Limban, C; Chifiriuc, MC

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 12 **Issue:** 10 **Pages:** 6432-6444

DOI: 10.3390/ijms12106432 **Published:** OCT 2011

ISSN: 1422-0067

135. Synthesis, Structure Elucidation and Microbiological Screening of Some New Dibenz [b,e]Oxepin Derivatives

Author(s): Limban, C; Missir, AV; Chirita, IC; Caproiu, MT; Guta, R; Chifiriuc, MC

Source: REVISTA DE CHIMIE **Volume:** 62 **Issue:** 10 **Pages:** 969-974 **Published:** OCT 2011

ISSN: 0034-7752

136. SYNTHESIS OF NEW DIBENZ[b,e]OXEPINS AND THEIR ANTIMICROBIAL INVESTIGATIONS

Author(s): Limban, C; Missir, AV; Caproiu, MT; *Chifiriuc, MC; Nitulescu, GM; Chirita, IC; Nuta, DC; Morusciag, L; Guta, R

Source: EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES **Volume:** 44 **Pages:** 191-192

Supplement: 1 **Published:** SEP 24 2011

ISSN: 0928-0987

137. Synthesis, Spectroscopic Properties and Antipathogenic Activity of New Thiourea Derivatives

Author(s): Limban, C; Marutescu, L; Chifiriuc, MC

Source: MOLECULES **Volume:** 16 **Issue:** 9 **Pages:** 7593-7607

DOI: 10.3390/molecules16097593 **Published:** SEP 2011

eISSN: 1420-3049

138. Selection and characterization of the probiotic potential of some lactic acid bacteria isolated from infant feces

Author(s): Pelinescu, D; *Chifiriuc, MC; Ditu, LM; Sarbu, I; Bleotu, C; Vassu, T; Stoica, I; Lazar, V; Corcoionivoschi, N; Sasarman, E

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 16 **Issue:** 3

Pages: 6278-6289 **Published:** MAY-JUN 2011

ISSN: 1224-5984

139. Synthesis and Antimicrobial Evaluation of Some New 2-(4-fluoro-phenoxyethyl) Benzoic Acid Thioureides

Author(s): Limban, C; Missir, AV; Chirita, IC; Neagu, AF; Draghici, C; Chifiriuc, MC

Source: REVISTA DE CHIMIE **Volume:** 62 **Issue:** 2 **Pages:** 168-173 **Published:** FEB 2011

ISSN: 0034-7752

140. Immunogenicity of different cellular fractions of *Vibrio parahaemolyticus* strains grown under sub-lethal heat and osmotic stress

Author(s): Chifiriuc, MC; Pircalabioru, G; Lazar, V; Gilea, B; Dascalu, L; Enache, G; Bleotu, C

ISSN: 1996-0808

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Author(s): Chifiriuc, C; Lazar, V; Bleotu, C; Calugarescu, I; Grumezescu, AM; Mihaiescu, DE; Mogosanu, DE; Buteica, AS; Buteica, E

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES
Volume: 6 **Issue:** 1 **Pages:** 37-42 **Published:** JAN-MAR 2011
ISSN: 1842-3582

142. DEAE-CELLULOSE/Fe₃O₄/CEPHALOSPORINS HYBRID MATERIALS FOR TARGETED DRUG DELIVERY
Author(s): Grumezescu, AM; Andronesu, E; Fica, A; Saviuc, C; Mihaiescu, D; **Chifiriuc, MC**
Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS
Volume: 41 **Issue:** 4 **Pages:** 383-387 **Published:** 2011
ISSN: 1583-3186

143. Screening of Molecular Virulence Markers in Staphylococcus aureus and Pseudomonas aeruginosa Strains Isolated from Clinical Infections
Author(s): Cotar, AI; ***Chifiriuc, MC**; Dinu, S; Bucur, M; Iordache, C; Banu, O; Dracea, O; Larion, C; Lazar, V
Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES
Volume: 11 **Issue:** 12 **Pages:** 5274-5292 **DOI:** 10.3390/ijms11125273 **Published:** DEC 2010
eISSN: 1422-0067

144. SYNTHESIS, STRUCTURAL CHARACTERIZATION AND MICROBIOLOGICAL ASSAYS OF SOME NEW 2-METHOXY-O-ACYL-OXIMINO-DIBENZ[b,e]OXEPINS
Author(s): Limban, C; Missir, AV; Chirita, IC; Guta, R; Nanau-Andreescu, D; Nitulescu, GM; Draghici, C; Caproiu, MT; Delcaru, C; **Chifiriuc, MC**
Source: REVUE ROUMAINE DE CHIMIE **Volume:** 55 **Issue:** 6 **Pages:** 313-319
Published: JUN 2010
ISSN: 0035-3930

145. Thermal, spectral and antimicrobial study on some Cu(II) complexes with ligands bearing biguanide moieties
Author(s): Olar, R; Badea, M; Marinescu, D; Iorgulescu, EE; Frunza, E; Lazar, V; **Chifiriuc, C**
Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY
Volume: 99 **Issue:** 3 **Pages:** 815-821 **DOI:** 10.1007/s10973-009-0414-8
Published: MAR 2010
ISSN: 1388-6150
eISSN: 1572-8943

146. QSARs on Antibacterial Activity of Some New not yet Synthesized, Substituted Dihydrodibenzothiepins
Author(s): Tarko, L; Stecoza, CE; Nitulescu, GM; Ilie, C; **Chifiriuc, MC**
Source: REVISTA DE CHIMIE **Volume:** 61 **Issue:** 3 **Pages:** 263-266 **Published:** MAR 2010
ISSN: 0034-7752

147. Antimicrobial activity of some new O-acyloximino-dibenzo[b,e]thiepins and O-acyloximino-dibenzo[b,e]thiepin-5,5-dioxides against planktonic cells
Author(s): **Chifiriuc, MC**; Stecoza, C; Veronica, L; Dracea, O; Larion, C; Israil, AM
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 15 **Issue:** 2 **Pages:** 5134-5139
Published: MAR-APR 2010
ISSN: 1224-5984

148. New complexes of Ni(II) and Cu(II) with Schiff bases functionalised with 1,3,4-thiadiazole: spectral, magnetic, biological and thermal characterisation
Author(s): Olar, R; Badea, M; Marinescu, D; Lazar, V; **Chifiriuc, C**
Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 2 **Pages:** 721-

149. Thermal behaviour of new Ni(II) and Cu(II) complexes with macrocyclic ligands functionalised with 1,2,4-triazole

Author(s): Olar, R; Badea, M; Marinescu, D; Lazar, V; **Chifiriuc, C**

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 1 **Pages:** 315-321 **DOI:** 10.1007/s10973-008-9650-6

Published: JUL 2009

ISSN: 1388-6150

150. Impact of different parameters upon the expression of certain virulence factors of nonhalophilic and halophilic Vibrio strains

Author(s): Israil, AM; Delcaru, C; **Chifiriuc, MC**

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 14 **Issue:** 4 **Pages:** 4545-4559 **Published:** JUL-AUG 2009

ISSN: 1224-5984

151. Antimicrobial activity of some new thioureides derived from 2-(4-chlorophenoxymethyl) benzoic acid

Author(s): Limban, C; ***Chifiriuc, MCB**; Missir, AV; Chirita, IC; Bleotu, C

Source: MOLECULES **Volume:** 13 **Issue:** 3 **Pages:** 567-580

DOI: 10.3390/molecules13030567 **Published:** MAR 2008

ISSN: 1420-3049

152. Influence of soluble mediators upon the expression of different physiological and virulence hallmarks of bacteria

Author(s): **Chifiriuc, MC**; Larion, C; Iordache, C; Lixandru, M; Dracea, O; Bleotu, C; Bucur, M; Israil, AM

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 13 **Issue:** 2 **Pages:** 3631-3642

Published: MAR-APR 2008

ISSN: 1224-5984

153. Internalization of Staphylococcus aureus and Pseudomonas aeruginosa bacterial cells by non-phagocytic, epithelial human cells

Author(s): **Chifiriuc, MC**; Lixandru, M; Iordache, C; Bleotu, C; Larion, C; Olguta, D; Lazar, V; Antohe, F; Israil, AM

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 13 **Issue:** 2 **Pages:** 3651-3658

Published: MAR-APR 2008

ISSN: 1224-5984

154. Drastic attenuation of Pseudomonas aeruginosa pathogenicity in a holoxenic mouse experimental model induced by subinhibitory concentrations of phenyllactic acid (PLA)

Author(s): **Chifiriuc, MC**; Veronica, L; Dracea, O; Ditu, LM; Smarandache, D; Bucur, M; Larion, C; Cernat, R; Sasarman, E

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 8 **Issue:** 7 **Pages:** 583-592 **DOI:** 10.3390/i8070583 **Published:** JUL 2007

ISSN: 1422-0067

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ARTICOLE ISI PUBLICATE ÎN CALITATE DE COAUTOR

1. Insight on Ni(II) and Cu(II) complexes of biguanide derivatives developed as effective antimicrobial and antitumour agents

Author(s): Badea, M; Grecu, MN; **Chifiriuc, MC**; Bleotu, C; Popa, M; Iorgulescu, EE; Avram, S; Uivarosi, V; Munteanu, AC; Ghica, D; Olar, R

Source: APPLIED ORGANOMETALLIC CHEMISTRY **Article Number:** e6155

DOI: 10.1002/aoc.6155 **Early Access Date:** JAN 2021

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eISSN: 1099-0739

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2. Antibiotic resistance profiles in cultivable microbiota isolated from some romanian natural fishery lakes included in Natura 2000 network

Author(s): Lazar, V; Gheorghe, I; Curutiu, C; Savin, I; Marinescu, F; Cristea, VC; Dobre, D; Popa, GL; **Chifiriuc, MC**; Popa, MI

Source: BMC VETERINARY RESEARCH **Volume:** 17 **Issue:** 1 **Article Number:** 52

DOI: 10.1186/s12917-021-02770-8 **Published:** JAN 26 2021

eISSN: 1746-6148

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3. New Cobalt (II) Complexes with Imidazole Derivatives: Antimicrobial Efficiency against Planktonic and Adherent Microbes and In Vitro Cytotoxicity Features

Author(s): Fudulu, A; Olar, R; Maxim, C; Scaeteanu, GV; Bleotu, C; Matei, L; **Chifiriuc, MC**; Badea, M

Source: MOLECULES **Volume:** 26 **Issue:** 1 **Article Number:** 55

DOI: 10.3390/molecules26010055 **Published:** JAN 2021

eISSN: 1420-3049

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4. Fish Bone Derived Bi-Phasic Calcium Phosphate Coatings Fabricated by Pulsed Laser Deposition for Biomedical Applications

Author(s): Popescu-Pelin, G; Ristoscu, C; Duta, L; Pasuk, I; Stan, GE; Stan, MS; Popa, M; **Chifiriuc, MC**; Hapenciuc, C; Oktar, FN; Nicarel, A; Mihailescu, IN

Source: MARINE DRUGS **Volume:** 18 **Issue:** 12 **Article Number:** 623

DOI: 10.3390/md18120623 **Published:** DEC 2020

eISSN: 1660-3397

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5. Resistance and Virulence Features of Bacteroides spp. Isolated from Abdominal Infections in Romanian Patients

Author(s): Pricop, GR; Gheorghe, I; Pircalabioru, GG; Cristea, V; Popa, M; Marutescu, L; **Chifiriuc, MC**; Mihaescu, G; Bezirtzoglou, E

Source: PATHOGENS **Volume:** 9 **Issue:** 11 **Article Number:** 940

DOI: 10.3390/pathogens9110940 **Published:** NOV 2020

eISSN: 2076-0817

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6. Evaluating the role of the working environment on to skin and upper respiratory tract microbiota of museum workers

Author(s): Scarlat, IP; Stroe, R; Ditu, LM; Curutiu, C; Chiurtu, ER; Stanculescu, I; **Chifiriuc, MC**; Lazar, V

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 25 **Issue:** 6 **Pages:** 2103-2106

DOI: 10.25083/rbl/25.6/2103.2106 **Published:** NOV-DEC 2020

ISSN: 1224-5984

7. Copper(II) Complexes with Mixed Heterocycle Ligands as Promising Antibacterial and Antitumor Species
Author(s): Rostas, AM; Badea, M; Ruta, LL; Farcasanu, IC; Maxim, C; **Chifiriuc, MC**; Popa, M; Luca, M; Korosin, NC; Korosec, RC; Bacalum, M; Raileanu, M; Olar, R
Source: MOLECULES **Volume:** 25 **Issue:** 17 **Article Number:** 3777
DOI: 10.3390/molecules25173777 **Published:** SEP 2020
eISSN: 1420-3049

8. Synthesis, density functional theory study and in vitro antimicrobial evaluation of new benzimidazole Mannich bases
Author(s): Marinescu, M; Cinteza, LO; Marton, GI; **Chifiriuc, MC**; Popa, M; Stanculescu, I; Zlaru, CM; Stavarache, CE
Source: BMC CHEMISTRY **Volume:** 14 **Issue:** 1 **Article Number:** 45
DOI: 10.1186/s13065-020-00697-z **Published:** JUL 25 2020
eISSN: 2661-801X

9. In Vitro Evaluation of the Antimicrobial and Immunomodulatory Activity of Culinary Herb Essential Oils as Potential Perioperative
Author(s): Popa, M; Marutescu, L; Oprea, E; Bleotu, C; Kamerzan, C; **Chifiriuc, MC**; Pircalabioru, GG
Source: ANTIBIOTICS-BASEL **Volume:** 9 **Issue:** 7 **Article Number:** 428
DOI: 10.3390/antibiotics9070428 **Published:** JUL 2020
ISSN: 2079-6382

10. Beneficial effects of food supplements based on hydrolyzed collagen for skin care (Review)
Author(s): Lupu, MA; Pircalabioru, GG; **Chifiriuc, MC**; Albulescu, R; Tanase, C
Source: EXPERIMENTAL AND THERAPEUTIC MEDICINE **Volume:** 20 **Issue:** 1 **Pages:** 12-17
DOI: 10.3892/etm.2019.8342 **Published:** JUL 2020
ISSN: 1792-0981
eISSN: 1792-1015

11. IN SILICO AND EXPERIMENTAL STUDIES FOR THE DEVELOPMENT OF NOVEL OXAZOL-5(4H)-ONES WITH PHARMACOLOGICAL POTENTIAL
Author(s): Rosca, EV; Apostol, TV; **Chifiriuc, MC**; Pircalabioru, GG; Draghici, C; Socea, LI; Olaru, OT; Nitulescu, GM; Pahontu, EM; Hrubaru, M; Barbuceanu, SF
Source: FARMACIA **Volume:** 68 **Issue:** 3 **Pages:** 453-462
DOI: 10.31925/farmacia.2020.3.10 **Published:** MAY-JUN 2020
ISSN: 0014-8237
eISSN: 2065-0019

12. Synthesis and Characterization of New Fluoro/Trifluoromethyl-Substituted Acylthiourea Derivatives with Promising Activity against Planktonic and Biofilm-Embedded Microbial Cells
Author(s): Limban, C; Nuta, DC; Missir, AV; Roman, R; Caproiu, MT; Dumitrascu, F; Pintilie, L; Stefaniu, A; **Chifiriuc, MC**; Popa, M; Zarafu, I; Arsene, AL; Pirvu, CED; Udeanu, DI; Papacoea, IR
Source: PROCESSES **Volume:** 8 **Issue:** 5 **Article Number:** 503
DOI: 10.3390/pr8050503 **Published:** MAY 2020
eISSN: 2227-9717

13. Antibiotic resistance determinants of Acinetobacter baumannii strains isolated from nosocomial infections
Author(s): Haitham, AN; Ali, A; **Chifiriuc, MC**; Mihaescu, G; Alshwaikh, RMA; Mohsin, S; Mohammed, HB; Pircalabioru, GG; Gheorghe, I
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 25 **Issue:** 3 **Pages:** 1658-1665

14. Synthesis, physico-chemical characterization and bioevaluation of Ni(II), Pd(II), and Pt(II) complexes with 1-(o-tolyl)biguanide: Antimicrobial and antitumor studies

Author(s): Nuta, I; Badea, M; **Chifiriuc, MC**; Bleotu, C; Popa, M; Daniliuc, CG; Olar, R

Source: APPLIED ORGANOMETALLIC CHEMISTRY **Volume:** 34 **Issue:** 9 **Article Number:** e5807

DOI: 10.1002/aoc.5807 **Published:** SEP 2020

ISSN: 0268-2605

eISSN: 1099-0739

15. Antimicrobial and Cytocompatible Bovine Hydroxyapatite-Alumina-Zeolite Composite Coatings Synthesized by Pulsed Laser Deposition from Low-Cost Sustainable Natural Resources

Author(s): Popescu-Pelin, G; Ristoscu, C; Duta, L; Stan, GE; Pasuk, I; Tite, T; Stan, MS; Bleotu, C; Popa, M; **Chifiriuc, MC**; Oktar, FN; Nicarel, A; Mihailescu, IN

Source: ACS SUSTAINABLE CHEMISTRY & ENGINEERING **Volume:** 8 **Issue:** 10

Pages: 4026-4036 **DOI:** 10.1021/acssuschemeng.9b05031 **Published:** MAR 16 2020

ISSN: 2168-0485

16. The impact of climate change on agricultural productivity in Romania. A country-scale assessment based on the relationship between climatic water balance and maize yields in recent decades

Author(s): Pravalie, R; Sirodoev, I; Patriche, C; Rosca, B; Piticar, A; Bandoc, G; Sfica, L; Tiscovschi, A; Dumitrascu, M; **Chifiriuc, C**; Manoiu, V; Iordache, S

Source: AGRICULTURAL SYSTEMS **Volume:** 179 **Article Number:** 102767

DOI: 10.1016/j.agry.2019.102767 **Published:** MAR 2020

ISSN: 0308-521X

eISSN: 1873-2267

17. In Vitro Adherence and Anti-pathogens Effect of a Co-culture of Lactobacillus Plantarum and Lactobacillus Casei Cultivated in a Minimal Media Supplemented with Aloe Vera

Author(s): Boev, M; Bahrim, G; **Chifiriuc, M**; Ditu, L

Source: JOURNAL OF CLINICAL GASTROENTEROLOGY **Volume:** 54 **Pages:** S30-S31

Supplement: 1 **Published:** FEB 2020

ISSN: 0192-0790

eISSN: 1539-2031

18. Aminopropyl-silica functionalized with halogen-reactive compounds for antimicrobial applications

Author(s): Zarafu, I; Al Taweel, AAJ; Limban, C; Popa, M; Marutescu, L; **Chifiriuc, MC**; Pircalabioru, GG; Culita, D; Ghica, C; Ionita, P

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 241 **Article Number:** 122353

DOI: 10.1016/j.matchemphys.2019.122353 **Published:** FEB 1 2020

ISSN: 0254-0584

eISSN: 1879-3312

19. Synthesis, physico-chemical characterization, antimicrobial activity and toxicological features of Ag-ZnO nanoparticles

Author(s): Burlibasa, L; **Chifiriuc, MC**; Lungu, MV; Lungulescu, EM; Mitrea, S; Sbarcea, G; Popa, M; Marutescu, L; Constantin, N; Bleotu, C; Hermenean, A

Source: ARABIAN JOURNAL OF CHEMISTRY **Volume:** 13 **Issue:** 2 **Pages:** 4180-4197

DOI: 10.1016/j.arabj.2019.06.015 **Published:** FEB 2020

ISSN: 1878-5352

eISSN: 1878-5379

20. Multifunctional Hydroxyapatite Coated with Artemisia absinthium Composites

Author(s): Raita, MS; Iconaru, SL; Groza, A; Cimpeanu, C; Predoi, G; Ghegoiu, L; Badea, ML; **Chifiriuc, MC**; Marutescu, L; Trusca, R; Furnaris, CF; Turculet, CS; Enache, DV; Predoi, D

Source: MOLECULES **Volume:** 25 **Issue:** 2 **Article Number:** 413

DOI: 10.3390/molecules25020413 **Published:** JAN 2 2020

eISSN: 1420-3049

21. Design, Synthesis and In Vitro Characterization of Novel Antimicrobial Agents Based on 6-Chloro-9H-carbazol Derivatives and 1,3,4-Oxadiazole Scaffolds

Author(s): Telehoiu, ATB; Nuta, DC; Caproiu, MT; Dumitrascu, F; Zarafu, I; Ionita, P; Badiceanu, CD; Avram, S; **Chifiriuc, MC**; Bleotu, C; Limban, C

Source: MOLECULES **Volume:** 25 **Issue:** 2 **Article Number:** 266

DOI: 10.3390/molecules25020266 **Published:** JAN 2 2020

eISSN: 1420-3049

22. Do wastewater treatment plants increase antibiotic resistant bacteria or genes in the environment? Protocol for a systematic review

Author(s): Rodriguez-Molina, D; Mang, P; Schmitt, H; **Chifiriuc, MC**; Radon, K; Wengenroth, L

Source: SYSTEMATIC REVIEWS **Volume:** 8 **Issue:** 1 **Article Number:** 304

DOI: 10.1186/s13643-019-1236-9 **Published:** DEC 5 2019

eISSN: 2046-4053

23. Preparations of Silver/Montmorillonite Biocomposite Multilayers and Their Antifungal Activity

Author(s): Iconaru, SL; Groza, A; Stan, GE; Predoi, D; Gaiaschi, S; Trusca, R; **Chifiriuc, CM**; Marutescu, L; Tite, T; Stanciu, GA; Hristu, R; Ghegoiu, L; Badea, ML; Turculet, CS; Ganciu, M; Chapon, P

Source: COATINGS **Volume:** 9 **Issue:** 12 **Article Number:** 817

DOI: 10.3390/coatings9120817 **Published:** DEC 2019

eISSN: 2079-6412

24. Design, Synthesis and Biological Evaluation of New Piperazin-4-yl-(acetyl-thiazolidine-2,4-dione) Norfloxacin Analogues as Antimicrobial Agents

Author(s): Marc, G; Araniciu, C; Oniga, SD); Vlase, L; Pirnau, A; Nadas, GC; Novac, CS; Matei, IA (Matei, Ioana Adriana); **Chifiriuc, MC**; Marutescu, L; Oniga, O (Oniga, Ovidiu)

Source: MOLECULES **Volume:** 24 **Issue:** 21 **Article Number:** 3959

DOI: 10.3390/molecules24213959 **Published:** NOV 2019

eISSN: 1420-3049

25. Fluorescent coumarin-modified mesoporous SBA-15 nanocomposite: Physico-chemical characterization and interaction with prokaryotic and eukaryotic cells

Author(s): Tudose, M; Culita, DC; Voicescu, M; Musuc, AM); Kuncser, AC; Bleotu, C; Popa, M; Marutescu, L; **Chifiriuc, MC**; Nicolescu, M; Deleanu, C

Source: MICROPOROUS AND MESOPOROUS MATERIALS **Volume:** 288 **Article Number:** 109583

DOI: 10.1016/j.micromeso.2019.109583 **Published:** NOV 1 2019

ISSN: 1387-1811

eISSN: 1873-3093

26. Self-assembled zinc oxide hierarchical structures with enhanced antibacterial properties from stacked chain-like zinc oxalate compounds

Author(s): Patrinoiu, G; Dumitru, R; Culita, DC; Munteanu, C; Birjega, R; Calderon-Moreno, JM; Cucos, A; Pelinescu, D; **Chifiriuc, MC**; Bleotu, C; Carp, O

Source: JOURNAL OF COLLOID AND INTERFACE SCIENCE **Volume:** 552 **Pages:** 258-270

DOI: 10.1016/j.jcis.2019.05.051 **Published:** SEP 15 2019

ISSN: 0021-9797
eISSN: 1095-7103

27. Molecular characterization based on Internal Transcribed Spacer (ITS) marker sequence of fungal strains isolated from heritage ethnographic textiles

Author(s): Radulescu, HC; Giworghe, I; Gradisteanu, G; Ispas, A; Popescu, C; Rosu, G; **Chifiriuc, MC**; Lazar, V

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 24 **Issue:** 5 **Pages:** 906-912

DOI: 10.25083/rbl/24.5/906.912 **Published:** SEP-OCT 2019

ISSN: 1224-5984

28. Peripheral immune cell markers in children with recurrent respiratory infections in the absence of primary immunodeficiency

Author(s): Munteanu, AN; Surcel, M; Huica, RI; Isvoranu, G; Constantin, C; Pirvu, IR; **Chifiriuc, C**; Ulmeanu, C; Ursaciuc, C; Neagu, M

Source: EXPERIMENTAL AND THERAPEUTIC MEDICINE **Volume:** 18 **Issue:** 3

Pages: 1693-1700 **DOI:** 10.3892/etm.2019.7714 **Published:** SEP 2019

ISSN: 1792-0981

eISSN: 1792-1015

29. Reduced graphene oxide/TiO₂ nanocomposites coating of cotton fabrics with antibacterial and self-cleaning properties

Author(s): Stan, MS; Nica, IC; Popa, M; **Chifiriuc, MC**; Iordache, O; Dumitrescu, I; Diamandescu, L; Dinischiotu, A

Source: JOURNAL OF INDUSTRIAL TEXTILES **Volume:** 49 **Issue:** 3 **Pages:** 277-293

DOI: 10.1177/1528083718779447 **Published:** SEP 2019

ISSN: 1528-0837

eISSN: 1530-8057

30. Electrospun Polyethylene Terephthalate Nanofibers Loaded with Silver Nanoparticles: Novel Approach in Anti-Infective Therapy

Author(s): Grumezescu, AM; Stoica, AE; Dima-Balcescu, MS; Chircov, C; Gharbia, S; Balta, C; Rosu, M; Herman, H; Holban, AM; Ficai, A; Vasile, BS; Andronescu, E; **Chifiriuc, MC**; Hermenean, A

Source: JOURNAL OF CLINICAL MEDICINE **Volume:** 8 **Issue:** 7 **Article Number:** 1039

DOI: 10.3390/jcm8071039 **Published:** JUL 2019

eISSN: 2077-0383

31. Evaluating the biological potential of some new cobalt (II) complexes with acrylate and benzimidazole derivatives

Author(s): Vlaicu, ID; Olar, R; Maxim, C; **Chifiriuc, MC**; Bleotu, C; Stanica, N; Scaeteanu, GV; Dulea, C; Avram, S; Badea, M

Source: APPLIED ORGANOMETALLIC CHEMISTRY **Volume:** 33 **Issue:** 7 **Article Number:** e4976

DOI: 10.1002/aoc.4976 **Published:** JUL 2019

ISSN: 0268-2605

eISSN: 1099-0739

32. PLGA-GENTAMICIN BIOCOMPOSITE MATERIALS WITH POTENTIAL ANTIMICROBIAL APPLICATIONS IN ORTHOPEDICS

Author(s): Ciocilteu, MV; Podgoreanu, P; Delcaru, C; **Chifiriuc, MC**; Manda, CV; Bitu, A; Popescu, M; Amzoiu, E; Croitoru, O; Bleotu, C; Bostan, M; Neamtu, J

Source: FARMACIA **Volume:** 67 **Issue:** 4 **Pages:** 580-586

DOI: 10.31925/farmacia.2019.4.4 **Published:** JUL-AUG 2019

33. Synthesis and Antimicrobial Assessment of Some New 2-(Thiazol-5-yl)-1,3,4-oxadiazoles
Author(s): Araniciu, C; Oniga, SD; Stoica, CI; **Chifiriuc, MC**; Popa, M; Vlase, L; Palage, M; Oniga, O
Source: REVISTA DE CHIMIE **Volume:** 70 **Issue:** 6 **Pages:** 1996-1999 **Published:** JUN 2019
ISSN: 0034-7752

34. Peppermint Essential Oil-Doped Hydroxyapatite Nanoparticles with Antimicrobial Properties
Author(s): Badea, ML; Iconaru, SL; Groza, A; **Chifiriuc, MC**; Beuran, M; Predoi, D
Source: MOLECULES **Volume:** 24 **Issue:** 11 **Article Number:** 2169
DOI: 10.3390/molecules24112169 **Published:** JUN 1 2019
eISSN: 1420-3049

35. In vitro antimicrobial efficacy of laser exposed chlorpromazine against Gram-positive bacteria in planktonic and biofilm growth state
Author(s): Tozar, T; Nastasa, V; Stoicu, A; **Chifiriuc, MC**; Popa, M; Kamerzan, C; Pascu, ML
Source: MICROBIAL PATHOGENESIS **Volume:** 129 **Pages:** 250-256
DOI: 10.1016/j.micpath.2019.02.012 **Published:** APR 2019
ISSN: 0882-4010

36. Eco-friendly synthesized spherical ZnO materials: Effect of the core-shell to solid morphology transition on antimicrobial activity
Author(s): Patrinoiu, G; Hussien, MD; Calderon-Moreno, JM; Atkinson, I; Musuc, AM; Ion, RN; Cimpean, A; **Chifiriuc, MC**; Carp, O
Source: MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS **Volume:** 97 **Pages:** 438-450
DOI: 10.1016/j.msec.2018.12.063 **Published:** APR 2019
ISSN: 0928-4931

37. Thermal, spectral and biological characterisation of copper(II) complexes with isoniazid-based hydrazones
Author(s): Zarafu, I; Badea, M; Ionita, G; **Chifiriuc, MC**; Bleotu, C; Popa, M; Ionita, P; Tatibouet, A; Olar, R
Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 136 **Issue:** 5 **Pages:** 1977-1987
DOI: 10.1007/s10973-018-7853-z **Published:** JUN 2019
ISSN: 1388-6150
eISSN: 1588-2926

38. Novel hydrogels based on collagen and ZnO nanoparticles with antibacterial activity for improved wound dressings
Author(s): Neacsu, IA; Melente, AE; Holban, AM; Ficai, A; Ditu, LM; Kamerzan, CM; Tihauan, BM; Nicoara, AI; Bezirtzoglou, E; **Chifiriuc, MC**; Pircalabioru, GG
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 24 **Issue:** 2 **Pages:** 317-323
DOI: 10.25083/rbl/24.2/317.323 **Published:** MAR-APR 2019
ISSN: 1224-5984

39. Influence of Ag, Au and Pd noble metals doping on structural, optical and antimicrobial properties of zinc oxide and titanium dioxide nanomaterials
Author(s): Pathak, TK; Kroon, RE; Craciun, V; Popa, M; **Chifiriuc, MC**; Swart, HC
Source: HELIYON **Volume:** 5 **Issue:** 3 **Article Number:** e01333

40. Successful Release of Voriconazole and Flavonoids from MAPLE Deposited Bioactive Surfaces

Author(s): Negut, I; Visan, AI; Popescu, C; Cristescu, R; Fica, A; Grumezescu, AM; Chifiriuc, MC; Boehm, RD; Yamaleyeva, D; Taylor, M; Narayan, RJ; Chrisey, DB

Source: APPLIED SCIENCES-BASEL **Volume:** 9 **Issue:** 4 **Article Number:** 786

DOI: 10.3390/app9040786 **Published:** FEB 2 2019

eISSN: 2076-3417

41. Multifunctional ZnO materials prepared by a versatile green carbohydrate assisted combustion method for environmental remediation applications

Author(s): Ene, CD; Patrinoiu, G; Munteanu, C; Ene, R; Chifiriuc, MC; Carp, O

Source: CERAMICS INTERNATIONAL **Volume:** 45 **Issue:** 2 **Pages:** 2295-2302

DOI: 10.1016/j.ceramint.2018.10.144 **Part:** A **Published:** FEB 1 2019

ISSN: 0272-8842

eISSN: 1873-3956

42. Gradient multifunctional biopolymer thin film assemblies synthesized by combinatorial MAPLE

Author(s): Mihailescu, N; Haskoylu, ME; Ristoscu, C; Bostan, MS; Sopronyi, M; Eroglu, MS; Chifiriuc, MC; Mustaciosu, CC; Axente, E; Oner, ET; Mihailescu, IN

Source: APPLIED SURFACE SCIENCE **Volume:** 466 **Pages:** 628-636

DOI: 10.1016/j.apsusc.2018.10.077 **Published:** FEB 1 2019

ISSN: 0169-4332

eISSN: 1873-5584

43. Structure-grain size-synthesis route of silver nanoparticles: a correlation with the cytotoxic effect

Author(s): Vasile, OR; Andronescu, E; Trusca, R; Vasile, E; Holban, AM; Chifiriuc, MC; Iordache, F; Maniu, H; Bleotu, C; Neacsu, IA; Vasile, BS

Source: ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY

Volume: 60 **Issue:** 2 **Pages:** 617-628 **Published:** 2019 **ISSN:** 1220-0522

44. Design, Synthesis and Biopharmacological Profile Evaluation of New 2-((4-Chlorophenoxy)Methyl)-N-(Arylcabamothioyl)Benzamides with Broad Spectrum Antifungal Activity

Author(s): Limban, C ; Ditu, LM ; Marutescu, L ; Missir, AV; Chifiriuc, MC; Caproiu, MT ; Morusciag, L ; Chirita, C ; Udrea, AM ; Nuta, DC ; Avram, S

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 23 **Issue:** 12 **Pages:** 1365-1377

DOI: 10.2174/1385272823666190621162950 **Published:** 2019

ISSN: 1385-2728

eISSN: 1875-5348

45 Snapshot of Phylogenetic Groups, Virulence, and Resistance Markers in Escherichia coli

Uropathogenic Strains Isolated from Outpatients with Urinary Tract Infections in Bucharest, Romania

Author(s): Cristea, VC; Gheorghe, I; Barbu, IC; Popa, LI; Ispas, B; Grigore, GA; Bucatariu, I; Popa, GL; Angelescu, MC ; Velican, A ; Marutescu, L; Popa, M; Chifiriuc, MC ; Popa, IM

Source: BIOMED RESEARCH INTERNATIONAL **Volume:** 2019 **Article Number:** 5712371

DOI: 10.1155/2019/5712371 **Published:** 2019

ISSN: 2314-6133

eISSN: 2314-6141

46. Microbiota signatures in type-2 diabetic patients with chronic kidney disease - A Pilot Study

Author(s): Gradisteanu, GP; Stoica, RA; Petcu, L; Picu, A; Suceveanu, AP; Salmen, T; Stefan, DS;

Serafinceanu, C; **Chifiriuc, MC**; Stoian, AP

Source: JOURNAL OF MIND AND MEDICAL SCIENCES **Volume:** 6 **Issue:** 1 **Pages:** 130-136

Article Number: 20 **DOI:** 10.22543/7674.61.P130136 **Published:** 2019

ISSN: 2392-7674

47. Designing cotton fibers impregnated with photocatalytic graphene oxide/Fe, N-doped TiO₂ particles as prospective industrial self-cleaning and biocompatible textiles

Author(s): Stan, MS; Badea, MA; Pircalabioru, GG; **Chifiriuc, MC**; Diamandescu, L; Dumitrescu, I; Trica, B; Lambert, C; Dinischiotu, A)

Source: MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS **Volume:** 94 **Pages:** 318-332

DOI: 10.1016/j.msec.2018.09.046 **Published:** JAN 1 2019

ISSN: 0928-4931

eISSN: 1873-0191

48. Anticancer effects of curcumin in luminal B and HER2 breast cancer cell line models

Author(s): Filippi, A; Maru, N; **Chifiriuc, MC**; Grigore, R; Ganea, C; Mocanu, MM

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 24 **Issue:** 1 **Pages:** 168-175

DOI: 10.25083/rbl/24.1/168.175 **Published:** JAN-FEB 2019

ISSN: 1224-5984

49. Pulsed Laser Deposited Biocompatible Lithium-Doped Hydroxyapatite Coatings with Antimicrobial Activity

Author(s): Duta, L; **Chifiriuc, MC**; Popescu-Pelin, G; Bleotu, C; Gradisteanu, G; Anastasescu, M; Achim, A; Popescu, A

Source: COATINGS **Volume:** 9 **Issue:** 1 **Article Number:** 54

DOI: 10.3390/coatings9010054 **Published:** JAN 2019

ISSN: 2079-6412

50. X-ray Crystal Structure, Geometric Isomerism, and Antimicrobial Activity of New Copper(II) Carboxylate Complexes with Imidazole Derivatives

Author(s): Vlaicu, ID; Borodi, G; Scaeteanu, GV; **Chifiriuc, MC**; Marutescu, L; Popa, M; Stefan, M; Mercioniu, IF; Maurer, M; Daniliuc, CG; Olar, R; Badea, M

Source: MOLECULES **Volume:** 23 **Issue:** 12 **Article Number:** 3253

DOI: 10.3390/molecules23123253 **Published:** DEC 2018

ISSN: 1420-3049

51. Spectral, thermal and biological characterization of complexes with a Schiff base bearing triazole moiety as potential antimicrobial species

Author(s): Calu, L; Badea, M; Korosin, NC; **Chifiriuc, MC**; Bleotu, C; Stanica, N; Silvestro, L; Maurer, M; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 3 **Pages:** 1839-1850 **DOI:** 10.1007/s10973-018-7871-x

Published: DEC 2018

ISSN: 1388-6150

eISSN: 1588-2926

52. Synthesis, thermal, spectral, antimicrobial and cytotoxicity profile of the Schiff bases bearing pyrazolone moiety and their Cu(II) complexes

Author(s): Zarafu, I; Olar, R; **Chifiriuc, MC**; Bleotu, C; Ionita, P; Multescu, M; Ionita, G; Gradisteanu, G; Tatibouet, A; Badea, M

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 3 **Pages:** 1851-

1861 DOI: 10.1007/s10973-018-7681-1

Published: DEC 2018

ISSN: 1388-6150

eISSN: 1588-2926

53. Zinc Oxide Spherical-Shaped Nanostructures: Investigation of Surface Reactivity and Interactions with Microbial and Mammalian Cells

Author(s): Visinescu, D; Hussien, MD; Moreno, JC; Negrea, R; Birjega, R; Somacescu, S; Ene, CD;

Chifiriuc, MC; Popa, M; Stan, MS; Carp, O

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Author(s): Braik, M; Zamfir, LG; Rotariu, L; Curutiu, C; **Chifiriuc, MC;** Ben Ali, M; Bala, C

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Author(s): Barbu, IC; Ratiu, AC; Florescu, AM; **Chifiriuc, MC;** Ecovoiu, AA

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Author(s): Gurgu, H; Stefanescu, E; Nuta, DC; Caproiu, MT; Dumitrascu, F; **Chifiriuc, MC;** Bleotu, C; Nitulescu, GM; Radulescu, FS; Limban, C

Source: FARMACIA **Volume:** 66 **Issue:** 6 **Pages:** 963-971 **DOI:** 10.31925/FARMACIA.2018.6.6

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Author(s): Jassam, N; Lake, J; Dabrowska, M; Queralto, J; Rizos, D; Lichtinghagen, R; Baum, H; Ceriotti, F; O'Mullane, J; Homsak, E; Charilaou, C; Ohlson, M; Rako, I; Vitkus, D; Kovac, G; Verschuure, P; Racek, J; **Chifiriuc, MC;** Wieringa, G

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Author(s): Danila, E; Moldovan, Z; Popa, M; **Chifiriuc, MC;** Kaya, AD; Kaya, MA

Source: INDUSTRIAL CROPS AND PRODUCTS **Volume:** 122 **Pages:** 483-492

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Author(s): Curutiu, C; Iordache, F; Lazar, V; Pisoschi, AM; Pop, A; **Chifiriuc, MC**; Hoban, AM

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Author(s): Marc, G; Araniciu, C; Oniga, SD; Vlase, L; Pirnau, A; Duma, M; Marutescu, L; **Chifiriuc, MC**; Oniga, O

Source: MOLECULES **Volume:** 23 **Issue:** 10 **Article**

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Author(s): Reiss, A; Cioatera, N; **Chifiriuc, MC**; Munteanu, G; Ganescu, A; Dabuleanu, I; Avram, G; Spinu, CI; Rotaru, P

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Author(s): Badea, M; Calu, L; Korosin, NC; David, IG; **Chifiriuc, MC**; Bleotu, C; Ionita, G; Silvestro, L; Maurer, M; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 665-677 **DOI:** 10.1007/s10973-018-7134-x

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Author(s): Ghitman, J; Stan, R; Cecoltan, S; **Chifiriuc, MC**; Iovu, H)

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Author(s): Stan, A; Barjega, R; **Chifiriuc, CM**; Carp, O

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 63 **Issue:** 7-8 **Pages:** 719-+

Published: JUL-AUG 2018

ISSN: 0035-3930

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Author(s): Araniciu, C; Oniga, O; Marc, G; Palage, MD; Marutescu, L; **Chifiriuc, MC**; Stoica, CI; Ionut, I; Oniga, SD
Source: FARMACIA **Volume:** 66 **Issue:** 4 **Pages:** 627-634
DOI: 10.31925/farmacia.2018.4.11 **Published:** JUL-AUG 2018
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Author(s): Duta, L; Ristoscu, C; Stan, GE; Husanu, MA; Besleaga, C; **Chifiriuc, MC**; Lazar, V; Bleotu, C; Miculescu, F; Mihailescu, N; Axente, E; Badiceanu, M; Bociaga, D; Mihailescu, IN
Source: APPLIED SURFACE SCIENCE **Volume:** 441 **Pages:** 871-883
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eISSN: 1873-5584

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Author(s): Zalaru, C; Dumitrascu, F; Draghici, C; Tarcomnicu, I; Tatia, R; Moldovan, L; **Chifiriuc, MC**; Lazar, V; Marinescu, M; Nitulescu, GM; Ferbinteanu, M
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DOI: 10.1016/j.molstruc.2017.11.073 **Published:** MAR 15 2018
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Author(s): Reiss, A; **Chifiriuc, MC**; Amzoiu, E; Cioatera, N; Dabuleanu, I; Rotaru, P (Rotaru, Petre)
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Published: MAR 2018
ISSN: 1388-6150
eISSN: 1588-2926

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Author(s): Badiceanu, CD; Nuta, DC; Missir, AV; Hrubaru, M; Delcaru, C; Ditu, LM; **Chifiriuc, MC**; Limban, C
Source: FARMACIA **Volume:** 66 **Issue:** 2 **Pages:** 237-242 **Published:** MAR-APR 2018
ISSN: 0014-8237
eISSN: 2065-0019

70. Synthesis, Structural Characterization, Antimicrobial Activity, and In Vitro Biocompatibility of New Unsaturated Carboxylate Complexes with 2,2-Bipyridine
Author(s): Scaeteanu, GV; **Chifiriuc, MC**; Bleotu, C; Kamerzan, C; Marutescu, L; Daniliuc, CG; Maxim, C; Calu, L; Olar, R; Badea, M
Source: MOLECULES **Volume:** 23 **Issue:** 1 **Article Number:** 157
DOI: 10.3390/molecules23010157 **Published:** JAN 2018
ISSN: 1420-3049

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Author(s): Badiceanu, CD; Nuta, DC; Missir, AV; Hrubaru, M; Delcaru, C; Ditu, LM; **Chifiriuc, MC**;

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Source: FARMACIA **Volume:** 66 **Issue:** 1 **Pages:** 149-156 **Published:** JAN-FEB 2018

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Author(s): Mihalache, MR; Ratiu, AC; Neagu, A; Lazar, V; **Chifiriuc, MC**; Al Ecovoiu, A

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ISSN: 1224-5984

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Author(s): Stan, T; Teodor, ED; Gatea, F; **Chifiriuc, MC**; Lazar, V

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Author(s): Oniga, SD; Araniciu, C; Palage, MD; Popa, M; **Chifiriuc, MC**; Marc, G; Pirnau, A; Stoica, CI; Lagoudis, I; Dragoumis, T; Oniga, O

Source: MOLECULES **Volume:** 22 **Issue:** 11 **Article Number:** 1827

DOI: 10.3390/molecules22111827 **Published:** NOV 2017

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Author(s): Sarbu, I; Vassu, T; **Chifiriuc, MC**; Bucur, M; Stoica, I; Stefana, P; Rusu, E; Moldovan, H; Pelinescu, D

Source: REVISTA DE CHIMIE **Volume:** 68 **Issue:** 12 **Pages:** 3015-3021 **Published:** DEC 2017

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Author(s): Ciolac, OA; Filippi, A; Maru, N; Popa, M; **Chifiriuc, MC**; Ganea, C; Mocanu, MM

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 22 **Issue:** 6 **Pages:** 13068-13075

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Author(s): Trusca, BS; Gheorghe, I; Marutescu, L; Curutiu, C; Marinescu, F; Ghita, CM; Borcan, E; Tuica, L; Minciuna, V; Gherghin, HE; **Chifiriuc, MC**; Lazar, V

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Pages: 365-373 **DOI:** 10.1515/rrlm-2017-0033 **Published:** OCT 2017

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Author(s): Tudose, M; Culita, DC; Musuc, AM; Somacescu, S; Ghica, C; **Chifiriuc, MC**; Bleotu, C

Source: MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL

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Author(s): Visan, A; Cristescu, R; Stefan, N; Miroiu, M; Nita, C; Socol, M; Florica, C; Rasoga, O; Zgura, I; Sima, LE; Chiritoiu, M; **Chifiriuc, MC**; Holban, AM; Mihailescu, IN; Socol, G

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Author(s): Marinescu, F; **Chifiriuc, MC**; Marutescu, L; Ilie, M; Savin, I; Anghel, AM; Marcus, I; Tociu, C; Marcu, E

Source: BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY **Volume:** 7 **Issue:** 5

Pages: 2140-2144 **Published:** SEP 15 2017

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Author(s): Marinescu, M; Cinteza, LO; Marton, GI; Marutescu, LG; **Chifiriuc, MC**; Constantinescu, C

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1144 **Pages:** 14-23

DOI: 10.1016/j.molstruc.2017.05.003 **Published:** SEP 15 2017

ISSN: 0022-2860

eISSN: 1872-8014

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Author(s): Dorneanu, R; Cioanca, O; **Chifiriuc, MC**; O; Albu, E; Tuchilus, C; Mircea, C; Salamon, I; Hancianu, M

Source: FARMACIA **Volume:** 65 **Issue:** 5 **Pages:** 778-783 **Published:** SEP-OCT 2017

ISSN: 0014-8237

eISSN: 2065-0019

83. ANTIBACTERIAL EFFICIENCY OF FIVE PROPOLIS EXTRACTS ON PLANKTONIC AND ADHERENT MICROBIAL STRAINS

Author(s): Hazem, A; Popescu, CV; Crisan, I; Popa, M; **Chifiriuc, MC**; Pircalabioru, GG; Lupuliasa, D

Source: FARMACIA **Volume:** 65 **Issue:** 5 **Pages:** 813-818 **Published:** SEP-OCT 2017

ISSN: 0014-8237

eISSN: 2065-0019

84. SYNTHESIS AND BIOLOGICAL EVALUATION OF NEW N-(2-DIMETHYLAMINOETHYL)-N-((UN)SUBSTITUTED PHENYL-2-(4-METHYL/METHOXY-PHENOXYMETHYL)BENZAMIDES

Author(s): Gurgu, H; Nuta, DC; Caproiu, MT; Draghici, C; **Chifiriuc, MC**; Missir, AV; Limban, C

Source: FARMACIA **Volume:** 65 **Issue:** 4 **Pages:** 494-500 **Published:** JUL-AUG 2017

ISSN: 0014-8237

85. Development and Biocompatibility Evaluation of Photocatalytic TiO₂/Reduced Graphene Oxide-

Based Nanoparticles Designed for Self-Cleaning Purposes

Author(s): Nica, IC; Stan, MS; Popa, M; **Chifiriuc, MC** ; Pircalabioru, GG; Lazar, V ; Dumitrescu, I; Diamandescu, L; Feder, M; Baibarac, M; Cernea, M; Maraloiu, VA; Popescu, T; Dinischiotu, A

Source: NANOMATERIALS **Volume:** 7 **Issue:** 9 **Article Number:** 279

DOI: 10.3390/nano7090279 **Published:** SEP 2017

ISSN: 2079-4991

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Author(s): Oniga, SD; Araniciu, C; Stoica, CI ; Palage, MD; Vlase, L; Pirnau, A; Marutescu, L; **Chifiriuc, MC**; Oniga, O

Source: FARMACIA **Volume:** 65 **Issue:** 4 **Pages:** 501-507 **Published:** JUL-AUG 2017

ISSN: 0014-8237

eISSN: 2065-0019

87. Synthesis, Physico-chemical Characterization, Crystal Structure and Influence on Microbial and Tumor Cells of Some Co(II) Complexes with 5,7-Dimethyl-1,2,4-triazolo[1,5-a]pyrimidine

Author(s): Marutescu, L; Calu, L; **Chifiriuc, MC**; Bleotu, C; Daniliuc, CG; Falcescu, D; Kamerzan, CM; Badea, M; Olar, R

Source: MOLECULES **Volume:** 22 **Issue:** 7 **Article**

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Author(s): Mihailescu, IN; Bociaga, D; Popescu-Pelin, G; Stan, GE; Duta, L; Socol, G; **Chifiriuc, MC**; Bleotu, C; Lazar, V; Husanu, MA; Zgura, I; Miculescu, F; Negut, I; Hapenciuc, C

Source: BIOFABRICATION **Volume:** 9 **Issue:** 2 **Article Number:** 025029 **DOI:** 10.1088/1758-5090/aa7076 **Published:** JUN 1 2017

ISSN: 1758-5082

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Author(s): Chelariu, M; Grosu, M; Gheorghe, I; Gradisteanu, G; Picu, A; Petcu, L; Popa, M; **Chifiriuc, MC**; Ditu, L; Lazar, V; Dimov, TV

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 22 **Issue:** 3

Pages: 12643-12650 **Published:** MAY-JUN 2017

ISSN: 1224-5984

90. Antibiotic Resistance and Virulence Phenotypes of Recent Bacterial Strains Isolated from Urinary Tract Infections in Elderly Patients with Prostatic Disease

Author(s): Delcaru, C; Podgoreanu, P; Alexandru, I ; Popescu, N; Marutescu, L; Bleotu, C; Mogosanu, GD; **Chifiriuc, MC**; Gluck, M; Lazar, V

Source: PATHOGENS **Volume:** 6 **Issue:** 2 **Article**

Number: 22 **DOI:** 10.3390/pathogens6020022 **Published:** JUN 2017

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Author(s): Al Tameemi, MBM; Stan, R; Prisacari, V; Voicu, G; Popa, M; **Chifiriuc, MC**; Ott, C; Marton, G;

Meghea, A

Source: COMPTES RENDUS CHIMIE **Volume:** 20 **Issue:** 5 **Pages:** 475-483

DOI: 10.1016/j.crci.2016.09.007 **Published:** MAY 2017

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Author(s): Marinescu, M; Tudorache, DG; Marton, GI; Zalaru, CM; Popa, M; **Chifiriuc, MC**; Stavarache, CE; Constantinescu, C

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1130 **Pages:** 463-471

DOI: 10.1016/j.molstruc.2016.10.066 **Published:** FEB 15 2017

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Author(s): Grumezescu, V; Holban, AM; Sima, LE; Chiritoiu, MB; Chiritoiu, GN; Grumezescu, AM; Ivan, L; Safciuc, F; Antohe, F; Florica, C; Luculescu, CR; **Chifiriuc, MC**; Socol, G

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 521 **Issue:** 1-2

Pages: 184-195 **DOI:** 10.1016/j.ijpharm.2017.01.069 **Published:** APR 15 2017

ISSN: 0378-5173

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94. The influence of nutrient culture media on Escherichia coli adhesion and biofilm formation ability

Author(s): Bleotu, C; **Chifiriuc, MC**; Mircioaga, D; Sandulescu, O; Aldea, IM; Banu, O; Ion, D; Diaconu, CC; Marinescu, F; Lazar, V

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 22 **Issue:** 2

Pages: 12483-12491 **Published:** MAR-APR 2017

ISSN: 1224-5984

95. Thermal behaviour of some biologically active species based on complexes with a triazolopyrimidine pharmacophore

Author(s): Olar, R; Calu, L; Badea, M; **Chifiriuc, MC**; Bleotu, C; Velescu, B; Stoica, O; Ionita, G; Stanica, N; Silvestro, L; Dulea, C; Uivarosi, V

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 127 **Issue:** 1 **Pages:** 685-696 **DOI:** 10.1007/s10973-016-5425-7

Published: JAN 2017

ISSN: 1388-6150

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Author(s): Zarafu, I; Badea, M; Ionita, G; Ionita, P; Paun, A; Bucur, M; **Chifiriuc, MC**; Bleotu, C; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 127 **Issue:** 2 **Pages:** 1511-1521 **DOI:** 10.1007/s10973-016-5573-9

Published: FEB 2017

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97. Lipoic Acid Gold Nanoparticles Functionalized with Organic Compounds as Bioactive Materials

Author(s): Turcu, I; Zarafu, I; Popa, M; **Chifiriuc, MC**; Bleotu, C; Culita, D; Ghica, C; Ionita, P

98. Interaction of New-Developed TiO₂-Based Photocatalytic Nanoparticles with Pathogenic Microorganisms and Human Dermal and Pulmonary Fibroblasts

Author(s): Nica, IC; Stan, MS; Popa, M; **Chifiriuc, MC**; Lazar, V; Pircalabioru, GG; Dumitrescu, I; Ignat, M; Feder, M; Tanase, LC; Mercioniu, I; Diamandescu, L; Dinischiotu, A

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 18 **Issue:** 2

Article Number: 249 **DOI:** 10.3390/ijms18020249 **Published:** FEB 2017

ISSN: 1422-0067

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Author(s): Calu, L; Badea, M; Korosec, RC; Bukovec, P; Daniliuc, CG; **Chifiriuc, MC**; Marutescu, L; Ciulica, C; Serban, G; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 127 **Issue:** 1 **Pages:** 697-708 **DOI:** 10.1007/s10973-016-5515-6 **Published:** JAN 2017

ISSN: 1388-6150

eISSN: 1588-2926

100. Thermal behavior of new nickel(II) complexes with unsaturated carboxylates and heterocyclic N-donor ligands

Author(s): Olar, R; Vlaicu, ID; **Chifiriuc, MC**; Bleotu, C; Stanica, N; Scaeteanu, GV; Silvestro, L; Dulea, C; Badea, M

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 127 **Issue:** 1 **Pages:** 731-741 **DOI:** 10.1007/s10973-016-5445-3

Published: JAN 2017

ISSN: 1388-6150

eISSN: 1588-2926

101. Seasonal monitoring of microbiological air contamination from a museum - a case study

Author(s): Scarlat, IP; Lazar, V; Stepa, R; **Chifiriuc, MC**; Ditu, LM; Haiducu, M

Edited by: Bondrea I; Simion C; Inta M

Source: 8TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2017) - TRENDS IN NEW INDUSTRIAL REVOLUTION **Book Series:** MATEC Web of Conferences **Volume:** 121 **Article Number:** 11017

DOI: 10.1051/mateconf/201712111017 **Published:** 2017

ISSN: 2261-236X

102. Insight on thermal behaviour of new complexes of Ni(II), Cu(II) and Zn(II) with a bismacroyclic ligand developed as biologically active species

Author(s): Badea, M; Bucur, C; **Chifiriuc, MC**; Bleotu, C; Grecu, MN; Lazar, V; Marinescu, D; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 127 **Issue:** 1 **Pages:** 487-497 **DOI:** 10.1007/s10973-016-5502-y

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103. Comparative evaluation of aggressiveness traits in staphylococcal strains from severe infections versus nasopharyngeal carriage

Author(s): Sandulescu, O; Bleotu, C; Matei, L; Streinu-Cercel, A; Oprea, M; Dragulescu, EC; **Chifiriuc,**

MC; Rafila, A; Pirici, D; Talapan, D; Dorobat, OM; Negut, AC; Otelea, D; Berciu, I; Ion, DA; Codita, I; Calistru, PI; Streinu-Cercel, A

Source: MICROBIAL PATHOGENESIS **Volume:** 102 **Pages:** 45-53

DOI: 10.1016/j.micpath.2016.11.006 **Published:** JAN 2017

104. STUDIES ON THE ANTIMYCOBACTERIAL ACTION OF A NOVEL COMPOUND OF THE THIADIAZOLE CLASS, 2-(PROPYL-THIO)-5H-[1,3,4]-THIADIAZOLE[2,3-B]-QUINAZOLINE-5-ONE

Author(s): Pogrebnoi, S; Chirita, C; Valicas, V; Macaev, F; **Chifiriuc, MC**; Kamerzan, C; Uncu, L; Uncu, A; Negres, S; Ionica, FE; Nicolescu, F; Marandiuc, IM; Stefanescu, E

Source: FARMACIA **Volume:** 65 **Issue:** 1 **Pages:** 69-74 **Published:** JAN-FEB 2017

ISSN: 0014-8237

105. Structural and Antimicrobial Evaluation of Silver Doped Hydroxyapatite- Polydimethylsiloxane Thin Layers

Author(s): Iconaru, SL; **Chifiriuc, MC**; Groza, A

Source: JOURNAL OF NANOMATERIALS **Volume:** 2017 **Article Number:** 7492515

DOI: 10.1155/2017/7492515 **Published:** 2017

ISSN: 1687-4110

eISSN: 1687-4129

106. Nanostructured Approaches for the Targeted Delivery of Antibiotics in Difficult Infections

Author(s): Curutiu, C; Grumezescu, V; **Chifiriuc, MC**; Huang, KS; Iordache, F; Lin, YM; Holban, AM

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 21 **Issue:** 1 **Pages:** 45-52

DOI: 10.2174/1385272820666160510170450 **Published:** 2017

ISSN: 1385-2728

eISSN: 1875-5348

107. Fabrication of antimicrobial silver-doped carbon structures by combinatorial pulsed laser deposition

Author(s): Mihailescu, IN; Bociaga, D; Socol, G; Stan, GE; **Chifiriuc, MC**; Bleotu, C; Husanu, MA; Popescu-Pelin, G; Duta, L; Luculescu, CR; Negut, I; Hapenciuc, C; Besleaga, C; Zgura, I; Miculescu, F

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 515 **Issue:** 1-2

Pages: 592-606 **DOI:** 10.1016/j.ijpharm.2016.10.041 **Published:** DEC 30 2016

ISSN: 0378-5173

eISSN: 1873-3476

108. Bacteriophage-driven inhibition of biofilm formation in Staphylococcus strains from patients attending a Romanian reference center for infectious diseases

Author(s): Negut, AC; **Chifiriuc, MC**; Sandulescu, O; Streinu-Cercel, A; Oprea, M; Dragulescu, EC; Gheorghe, I; Berciu, I; Coralia, B; Popa, M; Otelea, D; Talapan, D; Dorobat, O; Codita, I; Popa, MI; Streinu-Cercel, A

Source: FEMS MICROBIOLOGY LETTERS **Volume:** 363 **Issue:** 18 **Article Number:** fnw193

DOI: 10.1093/femsle/fnw193 **Published:** SEP 2016

ISSN: 0378-1097

109. Combinatorial MAPLE deposition of antimicrobial orthopedic maps fabricated from chitosan and biomimetic apatite powders

Author(s): Visan, A; Stan, GE; Ristoscu, C; Popescu-Pelin, G; Sopronyi, M; Besleaga, C; Luculescu, C; **Chifiriuc, MC**; Hussien, MD; Marsan, O; Kergourlay, E; Grossin, D; Brouillet, F; Mihailescu, IN

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 511 **Issue:** 1 **Pages:** 505-515

DOI: 10.1016/j.ijpharm.2016.07.015 **Published:** SEP 10 2016

ISSN: 0378-5173

110. Innovative Self-Cleaning and Biocompatible Polyester Textiles Nano-Decorated with Fe-N-Doped Titanium Dioxide

Author(s): Nica, IC; Stan, MS; Dinischiotu, A; Popa, M; **Chifiriuc, MC**; Lazar, V; Pircalabioru, GG; Bezirtzoglou, E; Iordache, OG; Varzaru, E; Dumitrescu, I; Feder, M; Vasiliu, F; Mercioniu, I; Diamandescu, L

Source: NANOMATERIALS **Volume:** 6 **Issue:** 11 **Article Number:** 214

DOI: 10.3390/nano6110214 **Published:** NOV 2016

ISSN: 2079-4991

111. Biocompatible hybrid silica nanobiocomposites for the efficient delivery of anti-staphylococcal drugs

Author(s): Balaure, PC; Popa, RA; Grumezescu, AM; Voicu, G; Radulescu, M; Mogoanta, L; Balseanu, TA; Mogosanu, GD; **Chifiriuc, MC**; Bleotu, C; Holban, AM; Bolocan, A

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 510 **Issue:** 2

Pages: 532-542 **DOI:** 10.1016/j.ijpharm.2016.03.037 **Published:** AUG 30 2016

ISSN: 0378-5173

112. Photocatalytic, Antimicrobial and Biocompatibility Features of Cotton Knit Coated with Fe-N-Doped Titanium Dioxide Nanoparticles

Author(s): Stan, MS; Nica, IC; Dinischiotu, A; Varzaru, E; Iordache, OG; Dumitrescu, I; Popa, M; **Chifiriuc, MC**; Pircalabioru, GG; Lazar, V; Bezirtzoglou, E; Feder, M; Diamandescu, L

Source: MATERIALS **Volume:** 9 **Issue:** 9 **Article Number:** 789

DOI: 10.3390/ma9090789 **Published:** SEP 2016

ISSN: 1996-1944

113. Norfloxacin delivery systems based on MCM-type silica carriers designed for the treatment of severe infections

Author(s): Deaconu, M; Pintilie, L; Vasile, E; Mitran, RA; Pircalabioru, GG; Matei, C; **Chifiriuc, MC**; Berger, D

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 238 **Article Number:** 121886

DOI: 10.1016/j.matchemphys.2019.121886 **Published:** DEC 1 2019

ISSN: 0254-0584

eISSN: 1879-3312

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Author(s): Radulescu, D; Grumezescu, V; Andronescu, E ; Holban, AM; Grumezescu, AM; Socol, G; Oprea, AE; Radulescu, M; Surdu, A; Trusca, R; Radulescu, R; **Chifiriuc, MC**; Stan, MS; Constanda, S; Dinischiotu, A

Source: APPLIED SURFACE SCIENCE **Volume:** 374 **Pages:** 387-396

DOI: 10.1016/j.apsusc.2016.02.072 **Published:** JUN 30 2016

ISSN: 0169-4332

115. Antimicrobial activity of biopolymeric thin films containing flavonoid natural compounds and silver nanoparticles fabricated by MAPLE: A comparative study

Author(s): Cristescu, R; Visan, A; Socol, G; Surdu, AV; Oprea, AE; Grumezescu, AM; **Chifiriuc, MC**; Boehm, RD; Yamaleyeva, D; Taylor, M; Narayan, RJ; Chrisey, DB

Source: APPLIED SURFACE SCIENCE **Volume:** 374 **Pages:** 290-296

DOI: 10.1016/j.apsusc.2015.11.252 **Published:** JUN 30 2016

ISSN: 0169-4332

116. Efficient transmission of IncFII(Y) and IncL plasmids and Klebsiella pneumoniae ST101 clone producing OXA-48, NDM-1 or OXA-181 in Bucharest hospitals

Author(s): Czobor, I; Novais, A; Rodrigues, C; **Chifiriuc, MC**; Mihaescu, G; Lazar, V; Peixe, L

Source: INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS **Volume:** 48 **Issue:** 2 **Pages:** 223-224

DOI: 10.1016/j.ijantimicag.2016.05.004 **Published:** AUG 2016

ISSN: 0924-8579

eISSN: 1872-7913

117. Functionalized Antimicrobial Composite Thin Films Printing for Stainless Steel Implant Coatings

Author(s): Floroian, L; Ristoscu, C; Mihailescu, N; Negut, I; Badea, M; Ursutiu, D; **Chifiriuc, MC**; Urzica, I; Dya, HM; Bleotu, C; Mihailescu, IN

Source: MOLECULES **Volume:** 21 **Issue:** 6 **Article Number:** 740

DOI: 10.3390/molecules21060740 **Published:** JUN 2016

eISSN: 1420-3049

118. The European Federation of Clinical Chemistry and Laboratory Medicine syllabus for postgraduate education and training for Specialists in Laboratory Medicine: version 5 - 2018

Author(s): Jassam, N; Lake, J; Dabrowska, M; Queralto, J; Rizos, D; Lichtinghagen, R; Baum, H; Ceriotti, F; O'Mullane, J; Homsak, E; Charilaou, C; Ohlson, M; Rako, I; Vitkus, D; Kovac, G; Verschuure, P; Racek, J; **Chifiriuc, MC**; Wieringa, G

Source: BIOCHIMICA CLINICA **Volume:** 42 **Issue:** 3 **Pages:** 247-262

DOI: 10.19186/BC_2018.044 **Published:** SEP 2018

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119. Phenotypic and genotypic assessment of Lactobacillus plantarum influence on Candida albicans fluconazole resistance

Author(s): Sarbu, I; Vassu, T; Stoica, I; Dascalu, L; **Chifiriuc, C**; Pelinescu, D

Source: ANNALS OF MICROBIOLOGY **Volume:** 66 **Issue:** 2 **Pages:** 817-823

DOI: 10.1007/s13213-015-1159-1 **Published:** JUN 2016

ISSN: 1590-4261

eISSN: 1869-2044

120. Silver Nanocoatings for Reducing the Exogenous Microbial Colonization of Wound Dressings

Author(s): Radulescu, M; Andronescu, E; Dolet, G; Popescu, RC; Fufa, O; **Chifiriuc, MC**; Mogoanta, L; Balseanu, TA; Mogosanu, GD; Grumezescu, AM; Holban, AM

Source: MATERIALS **Volume:** 9 **Issue:** 5 **Article Number:** 345

DOI: 10.3390/ma9050345 **Published:** MAY 2016

ISSN: 1996-1944

121. Bioactive ZnO Coatings Deposited by MAPLE-An Appropriate Strategy to Produce Efficient Anti-Biofilm Surfaces

Author(s): Oprea, AE; Pandel, LM; Dumitrescu, AM; Andronescu, E; Grumezescu, V; **Chifiriuc, MC**; Mogoanta, L; Balseanu, TA; Mogosanu, GD; Socol, G; Grumezescu, AM; Iordache, F; Maniu, H; Chirea, M; Holban, AM

Source: MOLECULES **Volume:** 21 **Issue:** 2 **Article Number:** 220

DOI: 10.3390/molecules21020220 **Published:** FEB 2016

ISSN: 1420-3049

122. Staphylococcus sp Involvement in Community Acquired Urinary Tract Infections

Author(s): Cristea, VC; Gheorghe, I; Neacsu, G; Galca, R; Czobor, I; Alexandru, I; **Chifiriuc, MC**; Lazar, V;

Popa, MI

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 21 **Issue:** 2

Pages: 11413-11417 **Published:** MAR-APR 2016

ISSN: 1224-5984

123. Synthesis and Bioevaluation of the Antimicrobial Features of Some New Thiazolyl-azoles

Author(s): Oniga, S; Araniciu, C; Palage, M; Stoica, C; **Chifiriuc, MC**; Marutescu, L

Source: REVISTA DE CHIMIE **Volume:** 67 **Issue:** 3 **Pages:** 426-429 **Published:** MAR 2016

ISSN: 0034-7752

124. Structural, compositional, mechanical characterization and biological assessment of bovine-derived hydroxyapatite coatings reinforced with MgF₂ or MgO for implants functionalization

Author(s): Mihailescu, N; Stan, GE; Duta, L; **Chifiriuc, MC**; Bleotu, C; Sopronyi, M; Luculescu, C; Oktar, FN; Mihailescu, IN

Source: MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS **Volume:** 59 **Pages:** 863-874

DOI: 10.1016/j.msec.2015.10.078 **Published:** FEB 1 2016

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125. Tunable ZnO spheres with high anti-biofilm and antibacterial activity via a simple green hydrothermal route

Author(s): Patrinoiu, G; Calderon-Moreno, JM; **Chifiriuc, CM**; Saviuc, C; Birjega, R; Carp, O

Source: JOURNAL OF COLLOID AND INTERFACE SCIENCE **Volume:** 462 **Pages:** 64-74

DOI: 10.1016/j.jcis.2015.09.059 **Published:** JAN 15 2016

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eISSN: 1095-7103

126. HIGHLY BIOCOMPATIBLE MAGNETITE NANOPARTICLES FUNCTIONALIZED WITH CHITOSAN FOR IMPROVING THE EFFICIENCY OF ANTIBIOTICS

Author(s): Holban, AM; Grumezescu, V; Fica, A; Grumezescu, AM; **Chifiriuc, MC**; Iordache, F; Andronesu, E

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE **Volume:** 78 **Issue:** 3 **Pages:** 47-58 **Published:** 2016

ISSN: 1454-2331

127. Antimicrobial coatings based on zinc oxide and orange oil for improved bioactive wound dressings and other applications

Author(s): Radulescu, M; Andronesu, E; Cirja, A; Holban, AM; Mogoanta, L; Balseanu, TA; Catalin, B; Neagu, TP; Lascar, I; Florea, DA; Grumezescu, AM; Ciubuca, B; Lazar, V; **Chifiriuc, MC**; Bolocan, A

Source: ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY

Volume: 57 **Issue:** 1 **Pages:** 107-114 **Published:** 2016

128. BIOLOGICAL STUDIES ON DEXTRIN COATED IRON OXIDE NANOPARTICLES

Author(s): Iconaru, SL; Turculet, C; Le Coustumer, P; Bleotu, C; **Chifiriuc, MC**; Lazar, V; Surugiu, A; Badea, M; Iordache, FM; Soare, M; Prodan, AM

Source: ROMANIAN REPORTS IN PHYSICS **Volume:** 68 **Issue:** 4 **Pages:** 1536-1544

Published: 2016

ISSN: 1221-1451

eISSN: 1841-8759

129. In Vitro Testing of Susceptibility to Endodontic Irrigants and Disinfectants of Bacterial Strains

Isolated from Chronic Apical Periodontitis

Author(s): Cristea, AD; Preoteasa, CT; Popa, M; Marutescu, L; **Chifiriuc, MC**; Gheorghe, I; Lazar, V; Iliescu, AA; Perlea, P; Moldoveanu, GF; Suci, I

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 21 **Issue:** 1

Pages: 11217-11224 **Published:** JAN-FEB 2016

ISSN: 1224-5984

130. Biocompatible 3D Matrix with Antimicrobial Properties

Author(s): Ion, A; Andronescu, E; Radulescu, D; Radulescu, M; Iordache, F; Vasile, BS; Surdu, AV; Albu, MG; Maniu, H; **Chifiriuc, MC**; Grumezescu, AM; Holban, AM

Source: MOLECULES **Volume:** 21 **Issue:** 1 **Article Number:** 115

DOI: 10.3390/molecules21010115 **Published:** JAN 2016

eISSN: 1420-3049

131. Influence of Thermal Treatment on the Antimicrobial Activity of Silver-Doped Biological Apatite

Author(s): Popa, CL; Ciobanu, CS; Voicu, G; Vasile, E; **Chifiriuc, MC**; Iconaru, SL; Predoi, D

Source: NANOSCALE RESEARCH LETTERS **Volume:** 10 **Article Number:** 502

DOI: 10.1186/s11671-015-1211-x **Published:** DEC 29 2015

132. Enamel Based Composite Layers Deposited on Titanium Substrate with Antifungal Activity

Author(s): Iconaru, SL; Prodan, AM; Turculet, CS; Beuran, M; Ghita, RV; Costescu, A; Groza, A; **Chifiriuc, MC**; Chapon, P; Gaiaschi, S; Hristu, R; Stanciu, GA; Trusca, R; Ganciu, M; Raita, SM (; Vineticu, N; Ciobanu, CS

Source: JOURNAL OF SPECTROSCOPY **Volume:** 2016 **Article Number:** 4361051

DOI: 10.1155/2016/4361051 **Published:** 2016

ISSN: 2314-4920

eISSN: 2314-4939

133. NOVEL BIOACTIVE AND BIODEGRADABLE MATERIALS FOR MEDICAL APPLICATIONS

Author(s): Stoica, P; Rapa, M; **Chifiriuc, MC**; Lungu, M; Tatia, R; Coroiu, V; Vlad, G; Lazar, V

Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT

JOURNAL **Volume:** 14 **Issue:** 11 **Pages:** 2703-2711

DOI: 10.30638/eemj.2015.287 **Published:** NOV 2015

ISSN: 1582-9596

eISSN: 1843-3707

134. Chemical Composition and Antipathogenic Activity of Artemisia annua Essential Oil from Romania

Author(s): Marinas, IC; Oprea, E; **Chifiriuc, MC**; Badea, IA; Buleandra, M; Lazar, V

Source: CHEMISTRY & BIODIVERSITY **Volume:** 12 **Issue:** 10 **Pages:** 1554-1564

DOI: 10.1002/cbdv.201400340 **Published:** OCT 2015

ISSN: 1612-1872

eISSN: 1612-1880

135. Screening of Polyphenol Content and In vitro Studies of Antioxidant, Antibacterial and Cytotoxic Activities of Capsicum Annuum Extracts

Author(s): Ciulu-Costinescu, F; **Chifiriuc, MC**; Popa, M; Bleotu, C; Neamtu, J; Averis, LME; Bubulica, MV; Simionescu, A; Aldea, IM; Belu, I

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 9 **Pages:** 1261-1266 **Published:** SEP 2015

ISSN: 0034-7752

136. The phytotoxicity and antimicrobial activity of Amorpha fruticosa L. leaves extract

Author(s): Hovanet, MV; Marinas, IC; Dinu, M; Oprea, E; **Chifiriuc, MC**; Stavropoulou, E; Lazar, V

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 20 **Issue:** 4
Pages: 10670-10678 **Published:** JUL-AUG 2015
ISSN: 1224-5984

137. Antimicrobial Features of Organic Functionalized Graphene-Oxide with Selected Amines
Author(s): Zarafu, I; Turcu, I; Culita, DC; Petrescu, S; Popa, M; **Chifiriuc, MC**; Limban, C; Telehoiu, A; Ionita, P
Source: MATERIALS **Volume:** 11 **Issue:** 9 **Article Number:** 1704 **DOI:** 10.3390/ma11091704
Published: SEP 2018
eISSN: 1996-1944

138. Plastified polyvinyl chloride for antimicrobial medical device applications
Author(s): Grosu, E; Fica, A; Rapa, M; Zaharia, C; **Chifiriuc, C**; Ulinici, S; Jecu, L
Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS
Volume: 17 **Issue:** 7-8 **Pages:** 1139-1145 **Published:** JUL-AUG 2015
ISSN: 1454-4164
eISSN: 1841-7132

139. Stainless steel surface biofunctionalization with PMMA-bioglass coatings: compositional, electrochemical corrosion studies and microbiological assay
Author(s): Floroian, L; Samoila, C; Badea, M; Munteanu, D; Ristoscu, C; Sima, F; Negut, I; **Chifiriuc, MC**; Mihailescu, IN (Mihailescu, I. N.)
Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE **Volume:** 26 **Issue:** 6 **Article Number:** 195 **DOI:** 10.1007/s10856-015-5527-y
Published: JUN 2015
ISSN: 0957-4530
eISSN: 1573-4838

140. Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance
Author(s): Voicu, G; Dogaru, I; Melita, D; Mesterca, R; Spirescu, V; Stan, E; Tote, E; Mogoanta, L; Mogosanu, GD; Grumezescu, AM; Trusca, R; Vasile, E; Iordache, F; **Chifiriuc, MC**; Holban, AM
Source: JOURNAL OF NANOPARTICLE RESEARCH **Volume:** 17 **Issue:** 5 **Article Number:** 201
DOI: 10.1007/s11051-015-3004-7 **Published:** MAY 5 2015
ISSN: 1388-0764
eISSN: 1572-896X

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Author(s): Ionescu, D; **Chifiriuc, MC**; Ionescu, B; Cristea, VC; Sacagiu, B; Duta, M; Neacsu, G; Gilca, R; Bleotu, C; Bezirtzoglou, E; Lazar, V
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 20 **Issue:** 3
Pages: 10470-10477 **Published:** MAY-JUN 2015
ISSN: 1224-5984

142. Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications
Author(s): Grumezescu, V; Andronescu, E; Holban, AM; Socol, G; Grumezescu, AM; Fica, A; Lazar, V; **Chifiriuc, MC**; Trusca, R; Iordache, F
Source: APPLIED SURFACE SCIENCE **Volume:** 336 **Pages:** 401-406
DOI: 10.1016/j.apsusc.2015.01.080 **Published:** MAY 1 2015
ISSN: 0169-4332

143. Microbial colonization of biopolymeric thin films containing natural compounds and antibiotics fabricated by MAPLE

Author(s): Cristescu, R; Surdu, AV; Grumezescu, AM; Oprea, AE; Trusca, R; Vasile, O; Dorcioman, G; Visan, A; Socol, G; Mihailescu, IN; Mihaiescu, D; Enculescu, M; **Chifiriuc, MC**; Boehm, RD; Narayan, RJ; Chrisey, DB

Source: APPLIED SURFACE SCIENCE **Volume:** 336 **Pages:** 234-239

DOI: 10.1016/j.apsusc.2014.11.145 **Published:** MAY 1 2015

ISSN: 0169-4332

eISSN: 1873-5584

144. SYNTHESIS, CHARACTERIZATION AND CYTOTOXICITY EVALUATION ON ZINC DOPED HYDROXYAPATITE IN COLLAGEN MATRIX

Author(s): Popa, CL; Bartha, CM; Albu, M; Guegan, R; Motelica-Heino, M; **Chifiriuc, MC**; Bleotu, C; Badea, ML; Antohe, S

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES **Volume:** 10 **Issue:** 2 **Pages:** 681-691 **Published:** APR-JUN 2015

ISSN: 1842-3582

145. Synthesis, spectral, thermal, magnetic and biological characterization of Co(II), Ni(II), Cu(II) and Zn(II) complexes with a Schiff base bearing a 1,2,4-triazole pharmacophore

Author(s): Calu, L; Badea, M; **Chifiriuc, MC**; Bleotu, C; David, GI; Ionita, G; Marutescu, L; Lazar, V; Stanica, N; Soponaru, I; Marinescu, D; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 120 **Issue:** 1 **Pages:** 375-386 **DOI:** 10.1007/s10973-014-3970-5 **Published:** APR 2015

ISSN: 1388-6150

146. Snapshot on carbapenemase-producing *Pseudomonas aeruginosa* and *Acinetobacter baumannii* in Bucharest hospitals reveals unusual clones and novel genetic surroundings for bla(OXA-23)

Author(s): Gheorghe, I; Novais, A; Grosso, F; Rodrigues, C; **Chifiriuc, MC**; Lazar, V; Peixe, L

Source: JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY **Volume:** 70 **Issue:** 4

Pages: 1016-1020 **DOI:** 10.1093/jac/dku527 **Published:** APR 2015

ISSN: 0305-7453

eISSN: 1460-2091

147. Carvone functionalized iron oxide nanostructures thin films prepared by MAPLE for improved resistance to microbial colonization

Author(s): Holban, AM; Andronescu, E; Grumezescu, V; Oprea, AE; Grumezescu, AM; Socol, G; **Chifiriuc, MC**; Lazar, V; Iordache, F

Source: JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY **Volume:** 73 **Issue:** 3

Special Issue: SI **Pages:** 605-611 **DOI:** 10.1007/s10971-014-3552-9 **Published:** MAR 2015

ISSN: 0928-0707

eISSN: 1573-4846

148. MAPLE fabricated magnetite@*Melissa officinalis* and poly lactic acid: chitosan coated surfaces with anti-staphylococcal properties

Author(s): Grumezescu, AM; Andronescu, E; Oprea, AE; Holban, AM; Socol, G; Grumezescu, V; **Chifiriuc, MC**; Iordache, F; Maniu, H

Source: JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY **Volume:** 73 **Issue:** 3

Special Issue: SI **Pages:** 612-619 **DOI:** 10.1007/s10971-014-3558-3 **Published:** MAR 2015

ISSN: 0928-0707

eISSN: 1573-4846

149. Fabrication of magnetite-based core-shell coated nanoparticles with antibacterial properties
Author(s): Grumezescu, AM; Cristescu, R; **Chifiriuc, MC**; Dorcioman, G; Socol, G; Mihailescu, IN; Mihaiescu, DE; Fikai, A; Vasile, OR; Enculescu, M; Chrisey, DB
Source: BIOFABRICATION **Volume:** 7 **Issue:** 1 **Article Number:** 015014
DOI: 10.1088/1758-5090/7/1/015014 **Published:** MAR 2015
ISSN: 1758-5082
eISSN: 1758-5090

150. Efficiency of gentamicin loaded in bacterial polysaccharides microcapsules against intracellular Gram-positive and Gram-negative invasive pathogens
Author(s): Croitoru, CD; Mihaiescu, DE; **Chifiriuc, MC**; Bolocan, A; Bleotu, C; Grumezescu, AM; Saviuc, CM; Lazar, V; Curutiu, C
Source: ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY
Volume: 56 **Issue:** 4 **Pages:** 1417-1421 **Published:** 2015
ISSN: 1220-0522

151. Antimicrobial Activity Evaluation on Silver Doped Hydroxyapatite/Polydimethylsiloxane Composite Layer
Author(s): Ciobanu, CS; Groza, A; Iconaru, SL; Popa, CL; Chapon, P; **Chifiriuc, MC**; Hristu, R; Stanciu, GA; Negrița, CC; Ghita, RV; Ganciu, M; Predoi, D
Source: BIOMED RESEARCH INTERNATIONAL **Volume:** 2015 **Article Number:** 926513
DOI: 10.1155/2015/926513 **Published:** 2015
ISSN: 2314-6133
eISSN: 2314-6141

152. Biocompatible hydrodispersible magnetite nanoparticles used as antibiotic drug carriers
Author(s): Bolocan, A; Mihaiescu, DE; Andronescu, E; Voicu, G; Grumezescu, AM; Fikai, A; Vasile, BS; Bleotu, C; **Chifiriuc, MC**; Pop, CS
Source: ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY
Volume: 56 **Issue:** 2 **Pages:** 365-370 **Published:** 2015
ISSN: 1220-0522

153. Influence of Staphylococcus aureus attachment to the herpes simplex virus infected cells
Author(s): Bleotu, C; **Chifiriuc, MC**; Lazar, V; Dragusel, R; Matei, L; Aldea, IM; Dragu, LD; Ionescu, B; Diaconu, CC; Cernescu, C; Mogoanta, CA; Popescu, CR; Popescu, B; Grigore, R; Bertesteanu, SVG
ISSN: 1220-0522

154. ANTIMICROBIAL AND ANTI-PATHOGENIC ACTIVITY EVALUATION OF SOME 2-(TRIMETHOXYPHENYL)-4-AR(1)-5-R-2-THIAZOLES
Author(s): Araniciu, C; Oniga, S; Oniga, O; Palage, M; **Chifiriuc, MC**; Marutescu, L
Source: FARMACIA **Volume:** 63 **Issue:** 1 **Pages:** 40-45 **Published:** JAN-FEB 2015
ISSN: 0014-8237
eISSN: 2065-0019

155. Insight on thermal, spectral, magnetic and biological behaviour of new Ni(II), Cu(II) and Zn(II) complexes with a pentaazamacrocyclic ligand derived from nicotinamide
Author(s): Olar, R; Patrascu, F; **Chifiriuc, MC**; Iorgulescu, EE; Bleotu, C; Marutescu, L; Lazar, V; Marinescu, D; Stanica, N; Badea, M
Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY
Volume: 118 **Issue:** 2 **Pages:** 1159-1168 **DOI:** 10.1007/s10973-014-3864-6 **Published:** NOV 2014
ISSN: 1388-6150
eISSN: 1588-2926

156. Structural and biological evaluation of lignin addition to simple and silver-doped hydroxyapatite thin films synthesized by matrix-assisted pulsed laser evaporation

Author(s): Jankovic, A; Erakovic, S; Ristoscu, C; Mihailescu, N; Duta, L; Visan, A; Stan, GE; Popa, AC; Husanu, MA; Luculescu, CR; Srdic, VV; Janackovic, D; Miskovic-Stankovic, V; Bleotu, C; **Chifiriuc, MC**; Mihailescu, IN

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE **Volume:** 26 **Issue:** 1 **Article Number:** 17 **DOI:** 10.1007/s10856-014-5333-y

Published: JAN 2015

ISSN: 0957-4530

eISSN: 1573-4838

157. Additive-free 1,4-butanediol mediated synthesis: a suitable route to obtain nanostructured, mesoporous spherical zinc oxide materials with multifunctional properties

Author(s): Visinescu, D; Scurtu, M; Negrea, R; Birjega, R; Culita, DC; **Chifiriuc, MC**; Draghici, C; Moreno, JC; Musuc, AM; Balint, I; Carp, O

Source: RSC ADVANCES **Volume:** 5 **Issue:** 121 **Pages:** 99976-99989

DOI: 10.1039/c5ra20224h **Published:** 2015

eISSN: 2046-2069

158. Thermal, spectral, magnetic and biologic characterization of new Ni(II), Cu(II) and Zn(II) complexes with a hexaazamacrocyclic ligand bearing ketopyridine moieties

Author(s): Badea, M; Patrascu, F; Korosec, RC; Bukovec, P; Raita, M; **Chifiriuc, MC**; Marutescu, L; Bleotu, C; Velescu, B; Marinescu, D; Uivarosi, V; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 118 **Issue:** 2 **Pages:** 1183-1193 **DOI:** 10.1007/s10973-014-3857-5 **Published:** NOV 2014

ISSN: 1388-6150

eISSN: 1588-2926

159. Thermal behaviour and characterisation of new biologically active Cu(II) complexes with benzimidazole as main ligand

Author(s): Badea, M; Vlaicu, ID; Olar, R; Constand, M; Bleotu, C; **Chifiriuc, MC**; Marutescu, L; Lazar, V; Grecu, MN; Marinescu, D

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 118 **Issue:** 2 **Pages:** 1119-1133 **DOI:** 10.1007/s10973-014-3745-z **Published:** NOV 2014

ISSN: 1388-6150

eISSN: 1588-2926

160. Thermal behaviour of some novel antimicrobials based on complexes with a Schiff base bearing 1,2,4-triazole pharmacophore

Author(s): Badea, M; Calu, L; **Chifiriuc, MC**; Bleotu, C; Marin, A; Ion, S; Ionita, G; Stanica, N; Marutescu, L; Lazar, V; Marinescu, D; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 118 **Issue:** 2 **Pages:** 1145-1157 **DOI:** 10.1007/s10973-014-3821-4 **Published:** NOV 2014

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eISSN: 1588-2926

161. A NEW CONCEPT OF STAINLESS STEEL MEDICAL IMPLANT BASED UPON COMPOSITE NANOSTRUCTURES COATING

Author(s): Floroian, L; Florescu, M; Munteanu, D; Badea, M; Popescu-Pelin, G; Ristoscu, C; Sima, F; **Chifiriuc, MC**; Mihailescu, IN

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES

162. Molecular screening of carbapenemase-producing Gram-negative Strains in Romanian intensive care units during a one year survey

Author(s): Gheorghe, I; Czobor, I; **Chifiriuc, MC**; Borcan, E; Ghita, C; Banu, O; Lazar, V; Mihaescu, G; Mihailescu, DF; Zong, ZY

Source: JOURNAL OF MEDICAL MICROBIOLOGY **Volume: 63 Pages: 1303-1310**

DOI: 10.1099/jmm.0.074039-0 **Part: 10 Published: OCT 2014**

ISSN: 0022-2615

eISSN: 1473-5644

163. MAPLE fabricated magnetite@eugenol and (3-hidroxybutyric acid-co-3-hidroxyvaleric acid)-polyvinyl alcohol microspheres coated surfaces with anti-microbial properties

Author(s): Grumezescu, V; Holban, AM; Iordache, F; Socol, G; Mogosanu, GD; Grumezescu, AM; Ficai, A; Vasile, BS; Trusca, R; **Chifiriuc, MC**; Maniu, H

Source: APPLIED SURFACE SCIENCE **Volume: 306 Pages: 16-22**

DOI: 10.1016/j.apsusc.2014.01.126 **Published: JUL 1 2014**

ISSN: 0169-4332

eISSN: 1873-5584

164. Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with increased resistance to staphylococcal colonization

Author(s): Grumezescu, V; Holban, AM; Grumezescu, AM; Socol, G; Ficai, A; Vasile, BS; Trusca, R; Bleotu, C; Lazar, V; **Chifiriuc, CM**; Mogosanu, GD

Source: BIOFABRICATION **Volume: 6 Issue: 3 Article Number: 035002**

DOI: 10.1088/1758-5082/6/3/035002 **Published: SEP 2014**

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eISSN: 1758-5090

165. Bioevaluation of Novel Anti-Biofilm Coatings Based on PVP/Fe₃O₄ Nanostructures and 2-((4-Ethylphenoxy) methyl)-N-(arylcarbamothioyl)benzamides

Author(s): Limban, C; Missir, AV; Grumezescu, AM; Oprea, AE; Grumezescu, V; Vasile, BS; Socol, G; Trusca, R; Caproiu, MT; **Chifiriuc, MC**; Galateanu, B; Costache, M; Morusciag, L; Pircalabioru, G; Nuta, DC

Source: MOLECULES **Volume: 19 Issue: 8 Pages: 12011-12030**

DOI: 10.3390/molecules190812011 **Published: AUG 2014**

ISSN: 1420-3049

166. Synthesis, Characterization and Antimicrobial Evaluation of Some New Thioureas derived from 3-thiophenecarboxylic Acid

Author(s): Badiceanu, CD; Draghici, C; Missir, AV; **Chifiriuc, MC**; Stecoza, CE

Source: REVISTA DE CHIMIE **Volume: 65 Issue: 2 Pages: 160-163 Published: FEB 2014**

167. Studies on thermal, spectral, magnetic and biological properties of new Ni(II), Cu(II) and Zn(II) complexes with a bismacrocylic ligand bearing an aromatic linker

Author(s): Bucur, C; Badea, M; **Chifiriuc, MC**; Bleotu, C; Iorgulescu, EE; Badea, IA; Grecu, MN; Lazar, V; Patriciu, OI; Marinescu, D; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume: 115 Issue: 3 Pages: 2179-2189 DOI: 10.1007/s10973-013-3460-1**

Published: MAR 2014

ISSN: 1388-6150

168. Anionic polymers and 10 nm Fe₃O₄@UA wound dressings support human foetal stem cells normal development and exhibit great antimicrobial properties

Author(s): Grumezescu, AM; Holban, AM; Andronesu, E; Mogosanu, GD; Vasile, BS; **Chifiriuc, MC**; Lazar, V; Andrei, E; Constantinescu, A; Maniu, H

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 463 **Issue:** 2

Pages: 146-154 **DOI:** 10.1016/j.ijpharm.2013.08.026 **Published:** MAR 25 2014

ISSN: 0378-5173

eISSN: 1873-3476

169. Identification and phenotypic characterization of the most frequent bacterial etiologies in chronic skin ulcers

Author(s): Mihai, MM; Holban, AM; Giurcaneanu, C; Popa, LG; Buzea, M; Filipov, M; Lazar, V; **Chifiriuc, MC**; Popa, MJ

Source: ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY

Volume: 55 **Issue:** 4 **Pages:** 1401-1408 **Published:** 2014

ISSN: 1220-0522

170. Antimicrobial and antioxidant activity of the vegetative and reproductive organs of Robinia pseudoacacia

Author(s): Marinas, IC; Oprea, E; Geana, EI; **Chifiriuc, C**; Lazar, V

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY **Volume:** 79 **Issue:** 11

Pages: 1363-1378 **DOI:** 10.2298/JSC140304049M **Published:** 2014

ISSN: 0352-5139

171. EVALUATION OF THE ANTIMICROBIAL AND ANTI-BIOFILM ACTIVITY OF SOME 4,2 AND 5,2 BISTHIAZOLES DERIVATIVES

Author(s): Araniciu, C; Marutescu, L; Oniga, S; Oniga, O; **Chifiriuc, MC**; Palage, M

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES

Volume: 9 **Issue:** 1 **Pages:** 123-131 **Published:** JAN-MAR 2014

172. Fluorescence analysis of apoptosis induced by Pseudomonas aeruginosa in endothelial cells

Author(s): Curutiu, C; **Chifiriuc, MC**; Iordache, F; Bleotu, C; Lazar, V; Mogoanta, CA; Popescu, CR; Grigore, R; Bertesteanu, SVG

Source: ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY

Volume: 55 **Issue:** 2 **Pages:** 313-317 **Published:** 2014

ISSN: 1220-0522

173. SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY EVALUATION OF NEW AGENTS FROM BENZAMIDES CLASS

Author(s): Nuta, DC; **Chifiriuc, MC**; Draghici, C; Limban, C; Missir, AV; Morusciag, L

Source: FARMACIA **Volume:** 61 **Issue:** 5 **Pages:** 966-974 **Published:** SEP-OCT 2013

ISSN: 0014-8237

eISSN: 2065-0019

174. IMPROVED ACTIVITY OF AMINOGLYCOSIDES ENTRAPPED IN SILICA NETWORKS AGAINST MICROBIAL STRAINS ISOLATED FROM OTOLARYNGOLOGICAL INFECTIONS

Author(s): Anghel, I; Grumezescu, AM; Holban, AM; Gheorghe, I; Vlad, M; Anghel, GA; Balaure, PC; **Chifiriuc, CM**; Ciuca, IM

Source: FARMACIA **Volume:** 62 **Issue:** 1 **Pages:** 69-78 **Published:** JAN-FEB 2014

ISSN: 0014-8237

eISSN: 2065-0019

175. Transition Metal(II) Complexes with Cefotaxime-Derived Schiff Base: Synthesis, Characterization, and Antimicrobial Studies

Author(s): Reiss, A; **Chifiriuc, MC**; Amzoiu, E; Spinu, CI

Source: BIOINORGANIC CHEMISTRY AND APPLICATIONS **Volume:** 2014

Article Number: 926287 **DOI:** 10.1155/2014/926287 **Published:** 2014

ISSN: 1565-3633

eISSN: 1687-479X

176. Synthesis and bioevaluation of some new isoniazid derivatives

Author(s): Matei, L; Bleotu, C; Baci, I; Draghici, C; Ionita, P; Paun, A; **Chifiriuc, MC**; Sbarcea, A; Zaru, I

Source: BIOORGANIC & MEDICINAL CHEMISTRY **Volume:** 21 **Issue:** 17 **Pages:** 5355-5361

DOI: 10.1016/j.bmc.2013.06.013 **Published:** SEP 1 2013

ISSN: 0968-0896

eISSN: 1464-3391

177. Synthesis and microbiological evaluation of several benzocaine derivatives

Author(s): Paun, A; Zaru, I; Caproiu, MT; Draghici, C; Maganu, M; Cotar, AI; **Chifiriuc, MC**; Ionita, P

Source: COMPTES RENDUS CHIMIE **Volume:** 16 **Issue:** 7 **Pages:** 665-671

DOI: 10.1016/j.crci.2013.03.012 **Published:** JUL 2013

ISSN: 1631-0748

eISSN: 1878-1543

178. Investigation of thermal stability, spectral, magnetic, and antimicrobial behavior for new complexes of Ni(II), Cu(II), and Zn(II) with a bismacrocylic ligand

Author(s): Bucur, C; Korosec, RC; Badea, M; Calu, L; **Chifiriuc, MC**; Grecu, N; Stanica, N; Marinescu, D; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 113 **Issue:** 3 **Pages:** 1287-1295 **DOI:** 10.1007/s10973-012-2912-3 **Published:** SEP 2013

ISSN: 1388-6150

eISSN: 1588-2926

179. Thermal stability of new biologic active copper(II) complexes with 5,6-dimethylbenzimidazole

Author(s): Vlaicu, ID; Constand, M; Olar, R; Marinescu, D; Grecu, MN; Lazar, V; **Chifiriuc, MC**; Badea, M

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 113 **Issue:** 3 **Pages:** 1369-1377 **DOI:** 10.1007/s10973-013-2948-z **Published:** SEP 2013

ISSN: 1388-6150

eISSN: 1588-2926

180. Functionalized magnetite silica thin films fabricated by MAPLE with antibiofilm properties

Author(s): Mihaiescu, DE; Cristescu, R; Dorcioman, G; Popescu, CE; Nita, C; Socol, G; Mihaiescu, IN; Grumezescu, AM; Gudovan, D; Enculescu, M; Negrea, RF; Ghica, C; **Chifiriuc, C**; Bleotu, C; Chrisey, DB

Source: BIOFABRICATION **Volume:** 5 **Issue:** 1 **Article Number:** 015007

DOI: 10.1088/1758-5082/5/1/015007 **Published:** MAR 2013

ISSN: 1758-5082

181. ANTIMICROBIAL AND BIOCOMPATIBILITY ASSAY OF NEWLY FABRICATED MATERIALS BASED COPPER OR ZINC ALGINATE AND SIO₂ NETWORK

Author(s): Grumezescu, V; **Chifiriuc, CM**; Holban, AM; Stoica, P; Grumezescu, AM; Voicu, G; Socol, G; Huang, KS; Bleotu, C; Radulescu, R

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES

Volume: 8 **Issue:** 2 **Pages:** 869-U507 **Published:** APR-JUN 2013

182. Synthesis, spectral and thermal study on new Fe(III) complexes with N,N-dimethylbiguanide as antibacterial agents

Author(s): Badea, M; Crasanda, AM; **Chifiriuc, MC**; Marutescu, L; Lazar, V; Marinescu, D; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 111 **Issue:** 3 **Pages:** 1743-1751 **DOI:** 10.1007/s10973-012-2277-7 **Published:** MAR 2013

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eISSN: 1588-2926

183. Thermal, spectral, electrochemical and biologic characterization of new Pd(II) complexes with ligands bearing biguanide moieties

Author(s): Badea, M; Iosub, E; **Chifiriuc, CM**; Marutescu, L; Iorgulescu, EE; Lazar, V; Marinescu, D; Bleotu, C; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 111 **Issue:** 3 **Pages:** 1753-1761 **DOI:** 10.1007/s10973-012-2288-4 **Published:** MAR 2013

ISSN: 1388-6150

184. Thermal study of new biologic active complexes with mixed ligands

Author(s): Vasile, G; Olar, R; Marinescu, D; Kriza, A; Marutescu, L; **Chifiriuc, MC**; Lazar, V; Badea, M

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY

Volume: 111 **Issue:** 3 **Pages:** 1783-1790 **DOI:** 10.1007/s10973-012-2317-3 **Published:** MAR 2013

ISSN: 1388-6150

eISSN: 1588-2926

185. Fabrication, characterization and in vitro profile based interaction with eukaryotic and prokaryotic cells of alginate-chitosan-silica biocomposite

Author(s): Balaure, PC; Andronescu, E; Grumezescu, AM; Fica, A; Huang, KS; Yang, CH; **Chifiriuc, CM**; Lin, YS

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 441 **Issue:** 1-2

Pages: 555-561 **DOI:** 10.1016/j.ijpharm.2012.10.045 **Published:** JAN 30 2013

ISSN: 0378-5173

eISSN: 1873-3476

186. MAGNETITE - USNIC ACID NANOSTRUCTURED BIOACTIVE MATERIAL WITH ANTIMICROBIAL ACTIVITY

Author(s): Holban, AM; Grumezescu, AM; Andronescu, E; Grumezescu, V; **Chifiriuc, CM**; Radulescu, R

Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS

Volume: 43 **Issue:** 4 **Pages:** 402-407 **Published:** 2013

ISSN: 1583-3186

187. Fe₃O₄@C-18-CARVONE TO PREVENT CANDIDA TROPICALIS BIOFILM DEVELOPMENT

Author(s): Holban, AM; Grumezescu, AM; Fica, A; **Chifiriuc, CM**; Lazar, V; Radulescu, R

Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS

Volume: 43 **Issue:** 3 **Pages:** 300-305 **Published:** 2013

ISSN: 1583-3186

188. Synthesis and Antimicrobial Activity of Silver-Doped Hydroxyapatite Nanoparticles

Author(s): Ciobanu, CS; Iconaru, SL; **Chifiriuc, MC**; Costescu, A; Le Coustumer, P; Predoi, D

Source: BIOMED RESEARCH INTERNATIONAL **Volume:** 2013 **Article Number:** 916218

DOI: 10.1155/2013/916218 **Published:** 2013

ISSN: 2314-6133

189. Fabrication, Characterization, and Antimicrobial Activity, Evaluation of Low Silver Concentrations in Silver-Doped Hydroxyapatite Nanoparticles

Author(s): Costescu, A; Ciobanu, CS; Iconaru, SL; Ghita, RV; **Chifiriuc, CM**; Marutescu, LG; Predoi, D

Source: JOURNAL OF NANOMATERIALS **Volume:** 2013 **Article Number:** 194854

DOI: 10.1155/2013/194854 **Published:** 2013

ISSN: 1687-4110

eISSN: 1687-4129

190. Magnetic Properties and Biological Activity Evaluation of Iron Oxide Nanoparticles

Author(s): Prodan, AM; Iconaru, SL; **Chifiriuc, CM**; Bleotu, C; Ciobanu, CS; Motelica-Heino, M; Sizaret, S; Predoi, D

Source: JOURNAL OF NANOMATERIALS **Volume:** 2013 **Article Number:** 893970

DOI: 10.1155/2013/893970 **Published:** 2013

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eISSN: 1687-4129

191. Iron Oxide Magnetic Nanoparticles: Characterization and Toxicity Evaluation by In Vitro and In Vivo Assays

Author(s): Prodan, AM; Iconaru, SL; Ciobanu, CS; **Chifiriuc, MC**; Stoicea, M; Predoi, D

Source: JOURNAL OF NANOMATERIALS **Volume:** 2013 **Article Number:** 587021

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192. Thermal behaviour of some new complexes with decaaza bismacrocylic ligand as potential antimicrobial species

Author(s): Bucur, C; Badea, M; Larisa, C; Marinescu, D; Grecu, MN; Stanica, N; **Chifiriuc, MC**; Olar, R

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 110 **Issue:** 1 **Pages:** 235-241 **DOI:** 10.1007/s10973-012-2199-4

Published: OCT 2012

ISSN: 1388-6150

eISSN: 1588-2926

193. Synthesis and antimicrobial screening of N-(1-methyl-1H-pyrazole-4-carbonyl)-thiourea derivatives

Author(s): Nitulescu, GM; Draghici, C; **Chifiriuc, MC**; Marutescu, L; Bleotu, C; Missir, AV

Source: MEDICINAL CHEMISTRY RESEARCH **Volume:** 21 **Issue:** 3 **Pages:** 308-314

DOI: 10.1007/s00044-010-9541-9 **Published:** MAR 2012

ISSN: 1054-2523

194. Biocompatible Magnetic MWCNTs Based on Phytocomponents from Eugenia carryophyllata

Author(s): Saviuc, C; Grumezescu, AM; Banu, O; **Chifiriuc, C**; Mihaiescu, D; Balaure, P; Lazar, V

Source: REVISTA DE CHIMIE **Volume:** 63 **Issue:** 5 **Pages:** 531-535 **Published:** MAY 2012

ISSN: 0034-7752

195. IN VITRO EVALUATION OF BACTERICIDAL AND ANTIBIOFILM ACTIVITY OF LONICERA TATARICA AND VIBURNUM OPULUS PLANT EXTRACTS ON STAPHYLOCOCCUS STRAINS

Author(s): Bubulica, MV; Anghel, I; Grumezescu, AM; Saviuc, C; Anghel, GA; **Chifiriuc, MC**; Gheorghe, I; Lazar, V; Popescu, A

Source: FARMACIA **Volume:** 60 **Issue:** 1 **Pages:** 80-91 **Published:** JAN-FEB 2012

ISSN: 0014-8237
eISSN: 2065-0019

196. HYBRID NANOSYSTEM FOR STABILIZING ESSENTIAL OILS IN BIOMEDICAL APPLICATIONS

Author(s): Saviuc, C; Grumezescu, AM; **Chifiriuc, CM**; Mihaiescu, DE; Hristu, R; Stanciu, G; Oprea, E; Radulescu, V; Lazar, V

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES

Volume: 6 **Issue:** 4 **Pages:** 1657-1666 **Published:** OCT-DEC 2011

ISSN: 1842-3582

197. Fluorescent analysis of apoptosis induced by Pseudomonas aeruginosa in endothelial cells

Author(s): Iordache, F; Iordache, C; Lixandru, M; Holban, A; Bleotu, C; Lazar, V; **Chifiriuc, C**; Maniu, H

Source: EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS

Volume: 40 **Pages:** 126-126 **Supplement:** 1 **Published:** AUG 2011

ISSN: 0175-7571

198. Mechanisms of Ceftazidime and Ciprofloxacin Transport through Porins in Multidrug-Resistance Developed by Extended-Spectrum Beta-Lactamase E.coli Strains

Author(s): Radu, BM; Bacalum, M; Marin, A; **Chifiriuc, CM**; Lazar, V; Radu, M

Source: JOURNAL OF FLUORESCENCE **Volume:** 21 **Issue:** 4 **Pages:** 1421-1429

DOI: 10.1007/s10895-010-0826-7 **Published:** JUL 2011

ISSN: 1053-0509

199. Synthesis and antimicrobial properties of new 2-((4-ethylphenoxy)methyl)benzoylthioureas

Author(s): Limban, C; Missir, AV; Chirita, IC; Nitulescu, GM; Caproiu, MT; **Chifiriuc, MC**; Israil, AM

Source: CHEMICAL PAPERS **Volume:** 65 **Issue:** 1 **Pages:** 60-69 **DOI:** 10.2478/s11696-010-0092-9

Published: FEB 2011

ISSN: 2585-7290

eISSN: 1336-9075

200. In vitro assay of the antimicrobial activity of Fe₃O₄ and CoFe₂O₄/oleic acid - core/shell on clinical isolates of bacterial and fungal strains

Author(s): Grumezescu, AM; Mihaiescu, DE; Mogosanu, DE; **Chifiriuc, MC**; Lazar, V; Calugarescu, I; Traistaru, V

Source: OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS

Volume: 4 **Issue:** 11 **Pages:** 1798-1801 **Published:** NOV 2010

ISSN: 1842-6573

eISSN: 2065-3824

201. Antimicrobial activity of some new 2-thiophene carboxylic acid thioureides

Author(s): Badiceanu, CD; Missir, AV; **Chifiriuc, MC**; Dracea, O; Raut, I; Larion, C; Ditu, LM; Mihaiescu, G

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 15 **Issue:** 5 **Pages:** 5545-5551

Published: SEP-OCT 2010

ISSN: 1224-5984

202. Prospects for new antimicrobials based on N,N-dimethylbiguanide complexes as effective agents on both planktonic and adhered microbial strains

Author(s): Olar, R; Badea, M; Marinescu, D; **Chifiriuc, CM**; Bleotu, C; Grecu, MN; Iorgulescu, EE; Bucur, M; Lazar, V; Finaru, A

Source: EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY **Volume:** 45 **Issue:** 7

Pages: 2868-2875 **DOI:** 10.1016/j.ejmech.2010.03.009 **Published:** JUL 2010

ISSN: 0223-5234

203. N,N-dimethylbiguanide complexes displaying low cytotoxicity as potential large spectrum antimicrobial agents

Author(s): Olar, R; Badea, M; Marinescu, D; **Chifiriuc, MC**; Bleotu, C; Grecu, MN; Iorgulescu, EE; Lazar, V
Source: EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY **Volume:** 45 **Issue:** 7
Pages: 3027-3034 **DOI:** 10.1016/j.ejmech.2010.03.033 **Published:** JUL 2010
ISSN: 0223-5234

204. Chemical Composition and Antimicrobial Activity of Essential Oil from Shoots Spruce (*Picea abies* L)

Author(s): Radulescu, V; Saviuc, C; **Chifiriuc, C**; Oprea, E; Ilies, DC; Marutescu, L; Lazar, V
Source: REVISTA DE CHIMIE **Volume:** 62 **Issue:** 1 **Pages:** 69-74 **Published:** JAN 2011
ISSN: 0034-7752

205. IN VITRO EVALUATION OF THE ANTIBACTERIAL AND ANTIFUNGAL ACTIVITY OF SOME NEW N-(2-DIALKYLAMINOETHYL)BENZANILIDES

Author(s): Nuta, DC; **Chifiriuc, CB**; Missir, AV; Chirita, IC; Badiceanu, CD
Source: FARMACIA **Volume:** 58 **Issue:** 1 **Pages:** 38-45 **Published:** JAN-FEB 2010
ISSN: 0014-8237

206. Genetic analysis of virulence and pathogenicity features of uropathogenic *Escherichia coli* isolated from patients with neurogenic bladder

Author(s): Mladin, C (Mladin, Claudia); Usein, CR (Usein, Codruta-Romanita); **Chifiriuc, MC**; Palade, A; Slavu, CL; Negut, M; Damian, M
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 14 **Issue:** 6 **Pages:** 4906-4911
Published: NOV-DEC 2009
ISSN: 1224-5984

207. SYNTHESIS OF ISOMERIC N-(1-METHYL-1H-PYRAZOLE-4-CARBONYL)-N'-(XYLYL)-THIOUREA AND THEIR ANTIMICROBIAL EVALUATION

Author(s): Nitulescu, GM; Draghici, C; **Chifiriuc, MC**; Missir, AV
Source: FARMACIA **Volume:** 57 **Issue:** 5 **Pages:** 527-533 **Published:** SEP-OCT 2009
ISSN: 0014-8237

208. Thermal behaviour of new biological active cadmium mixed ligands complexes

Author(s): Badea, M; Olar, R; Marinescu, D; Lazar, V; **Chifiriuc, C**; Vasile, G
Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 2 **Pages:** 781-785 **DOI:** 10.1007/s10973-009-0344-5
Published: AUG 2009

209. Phenotypic and genetic analysis of the antibiotic resistance patterns in uropathogenic *Escherichia coli* strains

Author(s): Mladin, C; **Chifiriuc, MC**; Palade, A; Usein, CR; Slavu, CL; Alina, R; Damian, M
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 15 **Issue:** 2 **Pages:** 5078-5086
Published: MAR-APR 2010
ISSN: 1224-5984

210. NEW 2-(4-ETHYL-PHENOXYMETHYL)BENZOIC ACID THIOUREIDES. SYNTHESIS, SPECTRAL ANALYSES AND MICROBIOLOGICAL ASSAYS

Author(s): Limban, C; Missir, AV; Chirita, IC; Nitulescu, GM; Draghici, C; Caproiu, MT; **Chifiriuc, MC**; Dracea, ON
Source: REVUE ROUMAINE DE CHIMIE **Volume:** 54 **Issue:** 8 **Pages:** 637-+ **Published:** AUG 2009

211. Thermal behaviour of new biological active cadmium mixed ligands complexes

Author(s): Badea, M; Olar, R; Marinescu, D; Lazar, V; **Chifiriuc, C**; Vasile, G

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 2 **Pages:** 781-785 **DOI:** 10.1007/s10973-009-0344-5

Published: AUG 2009

212. Evaluation and monitoring of quorum sensing soluble mediators implicated in the regulation of bacterial growth in *Vibrio* strains

Author(s): Israil, AM); **Chifiriuc, MC**; Delcaru, C; Iordache, C; Pelinescu, D; Sasarman, E

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 14 **Issue:** 2 **Pages:** 4211-4224

Published: MAR-APR 2009

ISSN: 1224-5984

213. Isolation and identification of some *Lactobacillus* and *Enterococcus* strains by a polyphasic taxonomical approach

Author(s): Pelinescu, DR; Sasarman, E; **Chifiriuc, MC**; Stoica, I; Nohit, AM; Avram, I; Serbancea, F; Dimov, TV

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 14 **Issue:** 2 **Pages:** 4225-4233

Published: MAR-APR 2009

ISSN: 1224-5984

214. Synthesis, Characterization and Antimicrobial Activity Evaluation of Some New Derivatives of 6,11-dihydrodibenzo[b,e]thiepin 5,5-dioxide

Author(s): Stecoza, CE; Caproiu, MT; Draghici, C; **Chifiriuc, MC**; Dracea, NO

Source: REVISTA DE CHIMIE **Volume:** 60 **Issue:** 2 **Pages:** 137-141 **Published:** FEB 2009

ISSN: 0034-7752

215. Virulence, pathogenicity, antibiotic resistance and plasmid profile of *Escherichia coli* strains isolated from drinking and recreational waters

Author(s): Panus, E; **Chifiriuc, MC**; Bucur, M; Cernat, R; Mitache, M; Nedelcu, D; Bleotu, C; Valeanu, D; Lazar, V; Rosoiu, N

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 13 **Issue:** 3 **Pages:** 3695-3700

Published: MAY-JUN 2008

ISSN: 1224-5984

216. Screening of molecular markers of quorum sensing in *Pseudomonas aeruginosa* strains isolated from clinical infections

Author(s): Cotar, AI; Dinu, S; **Chifiriuc, MC**; Banu, O; Iordache, C; Larion, C; Bucur, M; Dracea, O; Lazar, V

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 13 **Issue:** 3 **Pages:** 3765-3770

Published: MAY-JUN 2008

ISSN: 1224-5984

217. Molecular markers of quorum-sensing and virulence gene regulators in *Staphylococcus aureus* strains isolated from biofilm associated infections

Author(s): Cotar, AI; Dinu, S; **Chifiriuc, MC**; Banu, O; Iordache, C; Lixandru, M; Dracea, O; Bucur, M; Lazar, V

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 13 **Issue:** 3 **Pages:** 3771-3778

Published: MAY-JUN 2008

ISSN: 1224-5984

218. Copper(II) complexes with ligands derived from 4-amino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one: Synthesis and biological activity

Author(s): Rosu, T; Pasculescu, S; Lazar, V; **Chifiriuc, C**; Cernat, R

Source: MOLECULES **Volume:** 11 **Issue:** 11 **Pages:** 904-914

DOI: 10.3390/11110904 **Published:** NOV 2006

ISSN: 1420-3049

219. Thioureides of 2-(phenoxyethyl)benzoic acid 4-R substituted: A novel class of anti-parasitic compounds

Author(s): Muller, J; Limban, C; Stadelmann, B; Missir, AV; Chirita, IC; **Chifiriuc, MC**; Nitulescu, GM; Hemphill, A

Source: PARASITOLOGY INTERNATIONAL **Volume:** 58 **Issue:** 2 **Pages:** 128-135

DOI: 10.1016/j.parint.2008.12.003 **Published:** JUN 2009

ISSN: 1383-5769

220. Magnetic core/shell nanoparticle thin films deposited by MAPLE: Investigation by chemical, morphological and in vitro biological assays

Author(s): Cristescu, R; Popescu, C; Socol, G; Iordache, I; Mihailescu, IN; Mihaiescu, DE; Grumezescu, AM; Balan, A; Stamatin, I; **Chifiriuc, C**; Bleotu, C; Saviuc, C; Popa, M; Chrissey, DB

Source: APPLIED SURFACE SCIENCE **Volume:** 258 **Issue:** 23 **Pages:** 9250-9255

DOI: 10.1016/j.apsusc.2012.02.055 **Published:** SEP 15 2012

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