

CATEGORIILE ȘI TITLURILE LUCRĂRILOR ȘI CONTRIBUȚIILOR ȘTIINȚIFICE

I. CĂRȚI / CAPITOLE ÎN CĂRȚI DE SPECIALITATE / EDITURI INTERNAȚIONALE

I.1. CĂRȚI

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I.2. CAPITOLE

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II. ARTICOLE PUBLICATE ÎN REVISTE INTERNAȚIONALE

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II.2. REVISTE INTERNAȚIONALE INDEXATE ȘI REZUMATE ÎN: CURRENT ADVANCES IN ECOLOGICAL AND ENV. SCIENCES; SCOPUS; BIOSIS; ECOLOGICAL ABSTRACTS; CAMBRIDGE SCI. ABSTRACT; CURRENT CONTENTS; GOOGLE SCHOLAR; SOCIAL ABSTRACTS; C.R.E.J.; POLIT. SCI. ABSTRACT; AMERICAN ECON. LIT., THOMSON REUTERS MASTER JOURNAL LIST; ULRICHS WEB - GLOBAL SERIALS DIRECTORY

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II.3. VOLUME (*PROCEEDINGS*) - CONFERINȚE INTERNAȚ. INDEXATE: ISI PROCEEDINGS, WEB OF SCIENCE, GOOGLE SCHOLAR, SCOPUS

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VI. LUCRĂRI DE FUNDAMENTARE ȘTIINȚIFICĂ A STRATEGIILOR, SCENARIILOR ȘI PROIECTELOR DE ABORDARE ȘI GESTIONARE HOLISTĂ A ECOSISTEMELOR ȘI SISTEMELOR SOCIO-ECOLOGICE (SELECȚIE)

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19. **Vădineanu A.**, 2017. Agenda 2030: Provocare, perspectiva și oportunități pentru procesul de revizuire și implementare a "Strategiei Naționale de Dezvoltare Durabilă / SNDD", Conferința - "Pentru un viitor sustenabil" de lansare a procesului de revizuire, 14.11.2017, DDD-Guvern / Ro.
20. **Vădineanu A.**, 2017, Locul și rolul rețelei de arii naturale protejate în structura și funcționarea sistemelor dinamice - natura -societate: oportunitate și responsabilitate în procesul de tranziție la "modelul de dezvoltare sustenabilă", 01.12.2017, Chisinau, Prezentare invitată, Guvern, R. Moldova.
21. **Vădineanu A.**, Contextualizarea și fundamentarea teoretică și operațională a "Agendei 2030 pentru Dezvoltare Sustenabilă / ONU 2015": Cadru pentru analiză, integrare și adaptare a "Strategiei Naționale de Dezvoltare Sustenabilă (Durabilă)" / Document suport (17 pagini) / Martie 2018, în procesul de revizuire a SNDS(D).

PROF. UNIV. DR. GETA RÎȘNOVEANU

Anexa 1. Lista publicațiilor

A. Cărți, monografii, cursuri, capitole în volume colective

A. Cărți /capitole publicate în edituri naționale:

1. **Rîșnoveanu G.**, Gunnar Brunborg (coord.), 2016 - Fundamente legislative și științifice pentru evaluarea substanțelor chimice. Ghid, Editura Universitară, București, 515 pgs, ISBN 978-606-28-0450-3.
2. **Rîșnoveanu G. (coord.)**, 2011 – Identificarea și caracterizarea sistemelor ecologice. Ed Ars Docendi, București, 489 pgs (ISBN 978-973-558-538-9) (indexata WorldCat database)
3. **Rîșnoveanu, G.**, 2010. Caracterizarea sistemelor populationale. Editura Ars Docendi București, București, 392 pgs (ISBN -978-973-558-511-2) (indexata WorldCat database)
4. Teodorescu, I., **Rîșnoveanu, G.**, 2004. *Ecologie*, Teste de autoevaluare, Ed. Petrion, 80 pag, 24 cm (ISBN 973-9470-75-0)
5. **Rîșnoveanu, Geta**, 2004. *Managementul rețelelor ecologice*. în Vadineanu, A. (coordonator), Managementul dezvoltării: o abordare ecosistemică. Ed. Ars Docendi, 49 pp (223-271), 24 cm. (ISBN 973-558-070-5)
6. Cristofor Sergiu, Negrei Costel, **Rîșnoveanu, Geta**, 2004. *Organizarea spatio-temporală a zonelor rurale pentru producția agricolă, controlul poluării difuze și conservarea biodiversității*. În Vadineanu, A. (coordonator), Managementul dezvoltării: o abordare ecosistemică. Ed. Ars Docendi, 29 pp (338-366), 24 cm (ISBN 973-558-070-5).
7. Teodorescu, I., **Rîșnoveanu, G.**, Negut C., 2002. *Ecologie*, manual pentru cls. a XII-a, Ed. Constelații, Aprobate de ministerul Educației și Cercetării, 150 pp, 24 cm (ISBN 973-97949-7-1), (indexata WorldCat database).
8. Teodorescu, I., **Rîșnoveanu, G.**, Negut C., 2001. *Ecologie*, manual pentru cls. a X-a, Ed. Constelații, Aprobate de ministerul Educației și Cercetării, 176 pp, 24 cm (ISBN 973-97950-5-6).
9. **Rîșnoveanu, G.**, Vădineanu, A., 2000, *Evaluarea rolului asociațiilor și populațiilor în funcționarea sistemelor ecologice: Studiu de caz - Oligochetele Acvatice din Dunăre și Delta Dunării*. Ars Docendi/Editura Universității București, București, 240 pgs, 24 cm (ISBN 973-8118-31-X). (indexata WorldCat database)
10. **Rîșnoveanu, G.**, 1999, *Metode și tehnici în ecologia populației*. Editura Universității din București, 152 pgs, 28 cm (ISBN 973-575-408-8) indexata WorldCat database)
11. **Rîșnoveanu, Geta**, A. Vadineanu, 1999. “Cerinte și programe de educație și formare a resurselor umane în contextual tranziției socio-economice”, în Vădineanu, A., Negrei, C., Lisievici, P. (Eds.) “Dezvoltarea Durabilă: Teorie și practică” Vol 2, – Mecanisme și instrumente, partea a-II-a, cap. V: 214-227, 28 cm, Editura Universității din București (ISBN 973-575-333-2)

Capitole în cărți de specialitate, publicate în edituri internaționale:

1. Lungu, I. Enache, G. **Rîșnoveanu**, 2022. Urban Green Infrastructure, Ecosystem Services and Challenges for Universities to Respond to the Needs of Society. Proceedings of the 5th International Conference on Economics and Social Sciences (2022), ISSN 2704-6524, pp. 430-439. DOI: 10.2478/9788367405072-038
2. **Rîșnoveanu G.**, Bărbulescu D., Lungu S., 2021. Civic universities and their impact on green infrastructure governance in cities: a principles-based framework for human well-being. Proceedings of the 4th International Conference on Economics and Social Sciences, Resilience and Economic Intelligence through Digitalization and Big Data Analytics, 10-11 June 2021, Bucharest, Romania, Sciendo, ISSN 2704-6524, pp. 203-212. DOI: 10.2478/9788366675704-021
3. Lungu S., **Rîșnoveanu G.**, 2021. Urban natural areas, from nature conservation to well-being assets. Proceedings of the 4th International Conference on Economics and Social Sciences,

Resilience and Economic Intelligence through Digitalization and Big Data Analytics, 10-11 June 2021, Bucharest, Romania, Sciendo, ISSN 2704-6524, pp. 192-202, DOI: 10.2478/9788366675704-020.

4. **Rîșnoveanu, Geta, 2006.** *Structure and function of the oligochaeta communities in lentic ecosystems of the Danube Delta.* In C. Tudorancea MM., Tudorancea, Danube Delta –Genesis and biodiversity, Backhuys Publishers, Leiden, The Netherlands, pag: 237-261. (ISBN 90-5782-165-6).
5. Vadineanu A., Cristofor S., **Rîșnoveanu, G. 2005.** *Trends in the dynamics of the Lower Danube Wetland System.* In Alejandro Lopez Lopez y Maria Dolores Borrell Merlin Eds., Medio ambiente y desarrollo sostenible en los países Mediterraneos de la Union Europea, Edita fundacion Biodiversidad, Publicaciones Universidad Complutense de Madrid, Spain: pag 329-359. (ISBN 84-689-5514-0)
6. **Rîșnoveanu, G., 2005.** Conflicts between mining activities and the conservation of biodiversity: the case study of Rosia Montana, Romania. In Jones P.S., Young J and Watt, A.D. (Editors). 2005 Biodiversity conflict management, a report of the Bioforum project: varianta hard: p 56-57, Pensoft Publishers, Sofia, si varianta pe CD: 5 pagini.

B. Articole publicate in extenso

În reviste cotate ISI :

1. Holostenco D.N., Ciorpac M., Șirin Firidin Ș., Eroglu O., Memiş D., Paraschiv M., Honț Ș., Iani M., Tošić K., Taflan E., Porea D., Kersten P., İlhan Aydın I., Suciú R., Gessner J., **Rîșnoveanu G., Kohlmann K. (2022).** Genetic population structure of the critically endangered stellate sturgeon (*Acipenser stellatus*) in the Black Sea basin: implications for conservation (manuscript accepted to be published in *Aquatic Conservation: Marine and Freshwater Ecosystems*, IF=3.254 (Q1) AIS= 0.753(Q1), DOI:10.1002/aqc.3892
2. Costello, D. M., Tiegş, S. D., Boyero, L., Canhoto, C., Capps, K. A., Danger, M., ... Risnoveanu, G., ... et al. 2022. Global Patterns and Controls of Nutrient Immobilization on Decomposing Cellulose in Riverine Ecosystems. *Global Biogeochemical Cycles*, 36, e2021GB007163. <https://doi.org/10.1029/2021GB007163> (FI= 5.703, AIS = 2.37)
3. Forio A. E., Burdon F. J., De Troyer N., Lock K., Witing F., Baert L., De Saeyer N., Rîșnoveanu G., Popescu C., Kupilas B., Friberg N., Boets P., Johnson R.K., Volk M., McKie B., Goethals P., **2021.** A Bayesian Belief Network learning tool integrates multi-scale effects of riparian buffers on stream invertebrates. *Science of the Total Environment* 810, <https://doi.org/10.1016/j.scitotenv.2021.152146> (FI= 7.963, AIS = 1.305 in 2020)
4. Holostenco D. N., Ciorpac M., Taflan E., Tošić K., Paraschiv M., Iani M., Honț S, Suciú R. and **Rîșnoveanu G.***, **2021.** Genetic Diversity of Stellate Sturgeon in the Lower Danube River: The Impact of Habitat Contraction upon a Critically Endangered Population. *Water* 2021, 13, 1115. <https://doi.org/10.3390/w13081115> FI= 3.530, AIS =0.523(2020)
5. Sargac J., Johnson R.K., Burdon F. J., Truchy A., Rîșnoveanu G., Goethals P. and McKie B. G., **2021.** Forested riparian buffers change the taxonomic and functional composition of stream invertebrate communities in agricultural catchments. *Water* 2021, 13, <https://doi.org/10.3390/w13081028>, FI= 3.53, AIS =0.523(2020), **WOS:000644894500001**
6. Kupilas B., Burdon F. J., Thaulow J., Håll J., Mutinova P. T., Forio M. A. E., Witing F., **Rîșnoveanu G., Goethals P., McKie B. G. and Friberg N., 2021.** Forested riparian zones

- provide important habitat for fish in urban streams. *Water*, 13, 877, pag 1-19. <https://doi.org/10.3390/w13060877> FI= 3.53, AIS =0.523(2020) Feature paper
7. Popescu C., Oprina – Pavelescu M., Dinu V., Cazacu C., Burdon J.F., Forio M.A.E., Kupilas B., Friberg N., Goethals P., McKie B.G and **Rîșnoveanu* G.** **2021**. The role of forested riparian buffers in structuring the riparian invertebrate communities in a catchment impacted by agriculture. *Water* 13, 188, pag 1-20, <https://doi.org/10.3390/w13020188> FI= 3.53, AIS =0.523(2020) Feature paper
 8. Ramberg, E., F. J. Burdon, J. Sargac, B. Kupilas, **G. Rîșnoveanu**, D. C. P. Lau, R. K. Johnson and B. G. McKie (2020). "The Structure of Riparian Vegetation in Agricultural Landscapes Influences Spider Communities and Aquatic-Terrestrial Linkages." *Water* 12(10), doi.org/10.3390/w12102855. FI= **3.103**, AIS =0.5 Editor's choice article
 9. Forio, M. A., N. De Troyer, K. Lock, F. Witing, L. Baert, N. D. Saeyer, **G. Rîșnoveanu, C. Popescu**, F. J. Burdon, B. Kupilas, N. Friberg, P. Boets, M. Volk, B. G. McKie and P. Goethals (2020). "Small Patches of Riparian Woody Vegetation Enhance Biodiversity of Invertebrates." *Water* 12, 3070, pag. 1-21, doi:10.3390/w12113070. FI= **3.103** (2020), AIS =0.5 Editor's choice article
 10. Burdon F. J., Ramberg E. , Sargac J., Forio M. A. E., Saeyer N., Mutinova P. T., Moe T. F., Oprina Pavelescu M., Dinu V., Cazacu C., Witing F., Kupilas B., Grandin U., Volk M., **Rîșnoveanu G.**, Goethals P. , Friberg N., Johnson K. R. and McKie G B. Assessing the Benefits of Forested Riparian Zones: A Qualitative Index of Riparian Integrity Is Positively Associated with Ecological Status in European Streams *Water* **2020**, 12(4), 1178; pag. 1-24, <https://doi.org/10.3390/w12041178> (registering DOI), FI= 2.544, AIS =0.5
 11. Sin T., Andrea Gazzola, Silviu Chiriac, **Rîșnoveanu* G.**, **2019**. Wolf diet and prey selection in the South-Eastern Carpathian Mountains, Romania. *Plos One* 14(11):1-15, e0225424. IF = 2.740 , AIS = 0.926, <https://doi.org/10.1371/journal.pone.0225424>
 12. Enache, I., Florescu L.I., Moldoveanu M., Moza M. I., Parpală L., Sandu C., Turko P., Rîșnoveanu G., Spaak P., **2019**. Diversity and distribution of *Daphnia* across space and time in Danube Delta lakes explained by food quality and abundance. *Hydrobiologia* 842 (1): 39–54. <https://doi.org/10.1007/s10750-019-04025-y> IF=2.325, AIS = 0.614
 13. Tieg D.S., D.M. Costello, M.W. Isken, G. Woodward, P.B. McIntyre, M.O. Gessner, E.Chauvet, N.A. Griffiths, A.S. Flecker, V. Acuña, R.Albariño, D.C. Allen, C. Alonso, P. Andino, C. Arango, J. Aroviita, M.V. M. Barbosa, L.A. Barmuta, C.V. Baxter, T.D.C. Bell, B. Bellinger, L. Boyero, L.E. Brown, A. Bruder, D.A. Bruesewitz, F.J. Burdon, M. Callisto, C. Canhoto, K. A. Capps, M.M. Castillo, J. Clapcott, F. Colas, C. Colón-Gaud, J. Cornut, V. Crespo-Pérez, W.F. Cross, J.M. Culp, M. Danger, O. Dangles, E. de Eyto, A.M. Derry, V.D. Villanueva, M.M. Douglas, A. Elosegi, A. C. Encalada, S. Entekin, R. Espinosa, D. Ethaiya, V. Ferreira, C. Ferriol, K.M. Flanagan, T. Fleituch, J.J. F. Shah, A.F. Barbosa, N. Friberg, P.C. Frost, E.A. Garcia, L. García Lago, P.E.G. Soto, S. Ghate, D.P. Giling, A. Gilmer, J.Fr. Gonçalves Jr., R.K. Gonzales, M.A.S. Graça, M. Grace, H.P. Grossart, F. Guérolde, V. Gulis, L.U. Hepp, S. Higgins, T. Hishi, J. Huddart, J. Hudson, S. Imberger, C. Iñiguez-Armijos, T. Iwata, D.J. Janetski, E. Jennings, A.E. Kirkwood, A.A. Koning, S. Kosten, K.A. Kuehn, H. Laudon, P.R. Leavitt, A.L. L. da Silva, S.J. Leroux, C.J. LeRoy, P.J. Lisi, R. MacKenzie, A.M. Marcarelli, F.O. Masese, B.G. McKie, A.O. Medeiros, K. Meissner, M. Miliša, S. Mishra, Y. Miyake, A. Moerke, S. Mombrikotb, R. Mooney, T. Moulton, T. Muotka, J.N. Negishi, V. Neres-Lima, M.L. Nieminen, J. Nimptsch, J. Ondruch, R. Paavola, I. Pardo, C.J. Patrick, E.T. H. M. Peeters, J. Pozo, C. Pringle, A. Prussian, E. Quenta, A. Quesada, B. Reid, J.S.

- Richardson, A Rigosi, J. Rincón, **G. Rîşnoveanu**, C.T. Robinson, L. Rodríguez-Gallego, T.V. Royer, J.A. Rusak, A.C. Santamans, G.B. Selmeczy, G. Simiyu, A. Skuja, J. Smykla, K.R. Sridhar, R. Sponseller, A. Stoler, C.M. Swan, D. Szlag, F. Teixeira-de Mello, J.D. Tonkin, S. Uusheimo, A.M. Veach, S. Vilbaste, L.B.M. Vought, C.P. Wang, J.R. Webster, P.B. Wilson, S. Woelfl, M.A. Xenopoulos, A.G. Yates, C. Yoshimura, C.M. Yule, Y.X. Zhang, J.A. Zwart, **2019**. Global patterns and drivers of ecosystem functioning in rivers and riparian zones. *Science Advances* 2019; 5(1): eaav0486, 1-8. DOI: 10.1126/sciadv.aav0486 . IF (2018) =12.804, AIS = 5.675 (Highly cited Web of science – pana in 2021)
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15. Waylen A.K., K.L. Blackstock, F.J. Van Hulst, C. Damian, F. Horváth, R.K. Johnson, R. Kanka, M. Külvik, C.J. Macleod, K. Meissner, M. M Oprina-Pavelescu, J.Pino, E. Primmer, **G. Rîşnoveanu**, B. Šatalová, J. Silander, J. Špulerová, M. Suškevičs, J. Van Uytvanck, **2019**. Data summarizing monitoring and evaluation for three European environmental policies in 9 cases across Europe. *Data in Brief* 23, 103785
16. Monchamp, M.E., Enache I., **Rîşnoveanu G.**, Spaak P., Pomati F., Turko P., **2017**. Sedimentary and egg-bank DNA from 3 European lakes reveal concurrent changes in the composition and diversity of cyanobacterial and Daphnia communities. *Hydrobiologia* 800, 155-182. DOI: 10.1007/s10750-017-3247-7 . IF= 2.165, AIS = 0.631
17. **Rîşnoveanu G.**, Chiriac G., Moldoveanu M., **2017**. Robustness of the biotic indicators used for classification of ecological status of lotic water bodies: a testing method when the data series are short. *Ecological indicators*, 76: 170-177. <http://dx.doi.org/10.1016/j.ecolind.2016.11.044>. IF=4.514, AIS = 0.896
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19. **Rîşnoveanu G.**, Bujor, M., Popescu C., **2017**. Effects of the sampling design on the assessed structure of necrophilous terrestrial insect communities: evidence at order taxonomic level, *North-Western Journal of Zoology*, 13(1), 6-11. WOS:000403914500002. IF = 0.804, AIS = 0.205
20. Woodward G., M.O. Gessner, P. S. Giller, V. Gulis, S. Hladyz, A. Lecerf, B. Malmqvist, B.G. McKie, S. D. Tiegs, H. Cariss, M. Dobson, A. Elozegi, V. Ferreira, M. A.S. Graça, T. Fleituch, J. O. Lacoursière, M. Nistorescu, J. Pozo, G. **Risnoveanu**, M. Schindler, A. Vadineanu, L. B.-M. Vought, Eric Chauvet, **2012**- Continental-Scale Effects of Nutrient Pollution on Stream Ecosystem Functioning, *Science*, VOL 336: 1438-1440. DOI: 10.1126/science.1219534. IF = 31.027, AIS =17,697(Highly cited Web of science)
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- B.G. Mckie, M. Nistorescu, E. Preda, M.P. Riipinen, **G. Risnoveanu**, M. Schindler, S.D. Tiegs, L.B.-M. Vought, G. Woodward, **2011**. Stream Ecosystem Functioning in an Agricultural Landscape: The Importance of Terrestrial–Aquatic Linkages. *Advances in Ecological Research*, vol. 44: 211-276. DOI: 10.1016/B978-0-12-374794-5.00004-3 . IF = 5.333, AIS = 1.168
22. Hladyz S., S. D. Tiegs, M. O. Gessner, P. S. Giller, **G. Risnoveanu**, E. Preda, M. Nistorescu, M. Schindler, G. Woodward – **2010**. Leaf-litter breakdown in pasture and deciduous woodland streams: a comparison among three European Regions. *Blackwell Publishing Ltd, Freshwater Biology*, 55: 1916–1929, doi:10.1111/j.1365-2427.2010.02426.x . IF = 2,754, AIS = 1.125
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27. **Rîsnoveanu, G.**, A. Vădineanu, **2002**. *Observations on the population dynamics of Potamothrix hammoniensis (Michaelsen, 1901) (Tubificidae, Oligochaeta) in Lake Isacova in the Danube Delta*. *Hydrobiologia*, 479: 23-30. IF = 0.872, AIS = 0.448
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4. Bîrsan C.C., Rîsnoveanu G., Ignat G. și Cristofor S. **2012**. *The Actual State of the Benthic Fauna in the Inner Danube Delta, Romania*. Muzeul Olteniei Craiova. Oltenia. Studii și comunicări. Științele Naturii. Vol. XXVIII/2: 163-170.
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Prof. Dr. Geta Risnoveanu

Anexa 2

Lista proiectelor de cercetare-dezvoltare-inovare obținute prin competiție, pe bază de contract/grant, în țară/străinătate

A. Proiecte internaționale

Coordonator proiect:

1. Mecanismul Financiar al Spațiului Economic European (SEE) 2009-2014, Programul RO04 – ”Reducerea Substanțelor Periculoase” (2015-2016) - *”Promovarea expertizei în evaluarea și monitoringul substanțelor periculoase din mediu - ProExpert”*, contract nr. 3450/19.05.2015 (348446 euro)
2. Ambasada Franței in Romania (2008-2009) – “Echo - Balancing modernity and traditions in the development of local communities

Coordonator al echipei romane:

1. Biodiversa (Orizont 2020, ERA-NET COFUND scheme) (2017-2020) - CROSSLINK – *”Understanding cross-habitat linkages between blue and green infrastructure to optimize management of biodiversity, ecosystem services and multiple human uses”* (coordinator: Brendan Mckie, SLU, Suedia)
2. ALTER-Net High Impact Actions: Monitoring & Evaluation for Ecosystem Management: Comparing theory & practice across Europe (2017-2018) –MEEM (coordinator: Kerry Waylen, The James Hutton Institute, Aberdeen, Scotland)
3. CEEPUS (Central European Exchange Program for University Studies, 2018-2021) – EcoManAqua - *Ecology and Management of aquatic ecosystems in Central, East and Southeast Europe*(coordinator Thomas Hein, BOKU, Viena)
4. CEEPUS (Central European Exchange Program for University Studies, 2016-2018) – *”Aquatic ecosystem research: interdisciplinary challenges and management issues in inland waters and coastal environments and their catchments”* - proiect UMBRELLA (coordinator Thomas Hein, BOKU, Viena)
5. CELDEX (2015-2016) – *”CELLulose Decomposition EXperiment in streams and riparian zones across the Earth’s major biomes”* (coordinator: Scott Tieg, Oakland University, Michigan, US).
6. FP VI - EU – FARO (2007-2009) *”Foresight Analysis for Rural areas of Europe”*
7. FP V - EU – Rivfunction (2002-2005) *”Integrating Ecosystem Function into River Quality Assessment and Management”*
8. FP VI Finantare Alternet (2006-2007) *”Fairness of biodiversity conservation measures: exploring a new field of research”*

9. FP VI Finanțare Alternat (2004-2005) *“Optimising sampling strategies for biodiversity monitoring”*

Partener:

1. Mecanismul Financiar al Spațiului Economic European (SEE) 2009-2014, Programul RO02 - Biodiversitate și servicii ale ecosistemelor (2015-2017) – *“Coridoare Ecologice pentru habitate și specii în România – COREHABS”* contract no. 6326/2015
2. FP VI - EU –(2003-2009) *“A Long Term Biodiversity, Ecosystem and Awareness Research Network”*
3. FP VI - EU – BioForum (2000-2006) *“European biodiversity forum - implementing the ecosystem approach”*
4. FP VI - EU – EUROLIMPACS (2004-2009) *“Integrated Project to Evaluate the Impact of Global Change on European Freshwater Ecosystems”*
5. FP VI - EU – SOBIO (2005) *“Mobilising the European social research potential in support of biodiversity and ecosystem management”*
6. EU-DG XII - EMERGE (2000-2002) *“European Mountain Lake Ecosystems: Regionalization, Diagnostics and Socio-Economic Evaluation”*
7. NATO-CCMS (1998-2000) *“Ecosystem Modeling for Integrated Monitoring of Lagoons Systems”*
8. FP IV- NICOLAS (1998) *“Nitrogen Control by landscape structure”*
9. FP IV -ERMAS II (1997) *“European River Margins System: Role of Biodiversity in the Functioning of Riparian Systems”*
10. EU Phare (1995) *“Biodiversity Study of Danube River”*
11. TEMPUS IB – JEMP 13060/98 (1998-2000)
12. TEMPUS JEMP 09536/95(1995 –1998)

B. Proiecte naționale

Director sau Responsabil științific:

--CEEX - (PROMOTOR) (2005-2008) *“Rolul populațiilor / speciilor în generarea de resurse și servicii ca fundament pentru politicile și strategiile de conservare a biodiversității”*

-CNCSIS (A Consorțiu) (2005-2007) *“Fundamentarea științifică și operațională a managementului complexelor socio-ecologice”* (responsabil pachet de lucru)

- CNCSIS – T143 (2000 –2003) *“Rolul populațiilor de oligochete bentonice în controlul stării trofice a ecosistemelor acvatice din bazinul Dunării inferioare”*

- Ministerul apelor: *“Evaluarea impactului asupra mediului a construcției și exploatării lucrărilor de*

amenajare pentru valorificarea potențialului hidroenergetic prin microhidrocentrale amplasate pe cursurile de apă: Capra, Buda, Otic, Izvorul Mircea, Cuca, Cârțișoara, Porumbacu, Sâmbăta, Sebeș-Hotarele, Sebeș-Fântânele, Sebeș-Căciulata, Vistișoara, Dejani, Lupșa, Ucea, Sebeș, Craiului, Sebeșel, Valea Satului, Rânică (Râmna), Viștea și Taia”. Contract no. 33788/2019-MHC (325058.02 lei)

Coordonator echipa UB:

-CIVIS UB- Oameni și arbori. Soluții de management al Pădurii Băneasa pentru dezvoltare urbană durabilă și reziliență- 2021

Membru in echipa de cercetare:

-CNCSIS - Idei simple (2009) “Identificarea si caracterizarea speciilor non-native / invazive de insecte din romania si a implicatiilor lor ecologice, economice si medicale”

-CEEX -(Contbiol) (2006-2008) “Sistem tehnologic multifuncțional pentru creșterea și utilizarea insectelor utile”

-CEEX MOTEHNOREAB (2006-2008) ” Tehnologii de reabilitare a funcționalității ecosistemelor de molid afectate de factori biotici perturbatori”

-PNCDI, Programul AGRAL PRIORITAR, Proiect PA/ Institutul de Cercetări pentru Pedologie și Agrochimie – ICPA) (2004-2005) “Amenajarea luncii Dunarii”

-CNCSIS (2005-2006) “Identificarea si caracterizarea compartimentelor biologice, fitoplancton/fitobentos, macrofite si macrozoobentos, utilizate in stabilirea limitelor claselor de calitate ecologica in cadrul programului european de intercalibrare in conformitate cu cerintele Directivei Cadru Ape“

-Evaluarea potentialului de dezvoltare durabila a sistemului socio-economic romanesc (2001-2003)

-Procedee si norme privind revitalizarea zonelor umede (2001-2003)

-Reorganizarea spatio-temporala a sistemelor rurale din Campia Romana, suport al dezvoltarii durabile (2001-2003)

-Reteaua ecologica a Dunarii inferioare (1999-2000).

-Reabilitarea structurilor ecologice pentru controlul poluarii si conservarea biodiversitatii in zonele agricole (1999)

-Identificarea factorilor de comanda, a mecanismelor dinamicii biodiversitatii si a rolului sau in functionarea ecosistemelor din Romania (1995-1997, 1999).

-Rolul functional al biodiversitatii (1998-1999).

-Rolul zonelor de tranzitie in transferul de materie si energie in zona inundabila a Dunarii inferioare (1993 – 1996);

-Analiza biodiversitatii in vederea identificarii principalelor ecoregiuni din Romania (1991-1993);

-Caracterizarea circuitelor biogeochimice ale principalilor nutrienti si metale grele in Dunare (sectorul Calarasi – Tulcea) si ecosistemele acvatice ale Deltei Dunarii. Efectele acestora asupra biodiversitatii si productivitatii biologice (1990-1996);

-Identificarea mecanismelor productivitatii biologice si evaluarea capacitatii productive a ecosistemelor din zona inundabila a Dunarii inferioare si din Delta Dunarii (1990 -1996);

-Studiul mecanismelor productiei biologice si a fluxurilor materiale si energetice in ecosistemele acvatice din Delta Dunarii – rezervatie a biosferei (1990-1992);

-Impactul activitatii umane asupra ecosistemelor din raul Prahova si aflentii sai. Efectele acestor activitati asupra componentelor faunistice ale ecosistemelor (1990-1991);

Data completarii: Noiembrie 2022

Prof. Dr.Geta Rîșnoveanu

PROF. DR. CARMEN POSTOLACHE

Lista publicațiilor

A. Cărți, monografii, cursuri, capitole în volume colective

1. Vădineanu, A., **Postolache, I.C.**, Diaconu, I.V., 1998, *Targets Concerning Socio-economic Restructuring Emerged from the Material Accounting Analysis on the national scale (Romania)*, In Hens., L., Borden, J.R., Suzuki, S., Caravello, G. (Eds.), "Research in Human Ecology: An Interdisciplinary Overview", VUB Press, Bruxells, ISBN 90-5487-198-9, p. 289-314.
2. **Carmen Postolache**, Angheluță Vădineanu, 1999, "Evaluarea fluxurilor de materiale în componentele sistemelor socio-economice". În: *Dezvoltarea Durabilă, vol.2: Mecanisme și Instrumente pentru dezvoltarea durabilă*, Ed. Universității din București, ISBN 973-575-408-8, p. 252-279.
3. **Carmen Postolache**, Cristian Postolache, 2000, *Introducere în ecotoxicologie*, Ed Ars Docendi, ISBN 973-8118-30-1, 240p.
4. **Carmen Postolache**, 2004, Managementul integrat al bazinelor hidrografice - Bazinul Neajlovului". În: *Managementul Dezvoltării - o abordare ecosistemică*, ISBN 973-558-070-5, p. 313-337.
5. **C. Postolache**, 2006, *The chemistry of the Danube Delta*, In Claudiu Tudorancea and M.M. Tudorancea (Eds.), "Danube Delta, Genesis and Biodiversity", Backhuys Publisher BV, ISBN 90-5782-165-6, 440p.
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11. **Carmen Postolache**, Carmen Mincea, 2016, *Teste ecotoxicologice pentru evaluarea riscului substantelor chimice asupra mediului*, In Fundamente legislative si stiintifice pentru evaluarea substantelor chimice-ghid, Eds. Risnoveanu G., Brunborg G., pp. 459-480, ISBN 978-606-28-0450-3.

B. ISI Publications

1. Tripsa, M., Sahini, V. Em., **Nae Carmen** and Vasilescu, V., 1986, "Structure/Nerve Membrane Effect Relationships of Some Local Anaesthetics", *Gen. Physiol. Biophys.*, 5, 371-376
2. **Postolache Carmen** and Oncescu Tatiana, 1989, "Kinetics of Hemoglobin and Casein Hydrolysis Catalysed by Alcalase", *Revue Roumaine de Chimie*, 34, 2, 581-584
3. Sahini, V. Em. and **Postolache Carmen**, 1994, "Kinetic Aspects of Glucose γ -Irradiated Enzymatic Oxidation", *Revue Roumaine de Chimie*, 39(10), 1117-1122.
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6. S. Sabater, A. Butturini, J - C. Clement, T. Burt, D. Dowrick, M. Hefting, V. Maitre, G. Pinay, **C. Postolache**, M. Rzepecki and F. Sabater, 2003, Nitrogen Removal by Riparian Buffers along a European Climatic Gradient: Patterns and Factors of Variation, *Ecosystems* 6: 20-30.
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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 Olga
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 BIOFILMELOR BACTERIENE http://online.osim.ro/cgi- bin/invsearch8	Lazăr Veronica; Chifiriuc Mariana-Carmen; Cernat ARamona; Bulai Doina

6	a 2005 01090	00123146 eliberat 28/12/2005	C12Q 1/18	METODĂ DE DETERMINARE A SENSIBILITĂȚII LA SUBSTANȚE ANTIMICROBIENE BIOFILMELOR MICROBIENE http://online.osim.ro/cgi-bin/invsearch8	Lazăr Veronica; Chifiriuc Mariana-Carmen ; Cernat Ramona; Bulai Doina
7	a 2007 00504	00123277 eliberat 17/07/2007	C12N 1/02	PROCEDEU DE IZOLARE, SELECȚIE ȘI CONSERVARE A UNEI TULPINI PROBIOTICE DE ENTEROCOCCUS FAECIUM, BACTERIE LACTICĂ DE UZ ZOOTEHNIC http://online.osim.ro/cgi-bin/invsearch8	Pelinescu Diana-Roxana; Chifiriuc Mariana-Carmen ; Săsărman Elena; Vassu-Dimov Tatiana-Elisabeta; Stoica Ileana; Enache-Soare Simona-Cătălina; Ionescu Robertina-Adriana; Avram Ionela
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9	a 2009 00426	00123418 eliberat 11/06/2009	C07C 335/26	TIOUREIDE ALE ACIDULUI 1-METIL-1H-4-PIRAZOL-CARBOXILIC ȘI PROCEDEU DE PREPARARE A ACESTORA http://online.osim.ro/cgi-bin/invsearch8	Drăghici Constantin; Missir Alexandru Vasile; Chifiriuc Mariana-Carmen ; Nițulescu George Mihai; Dițu Lia-Mara
10	a 2015 00605	00131727 eliberat 30.07.2018	B82B 3/00	ȚINTE DE PULVERIZARE ȘI STRATURI SUBȚIRI DIN NANOPULBERI ANTIMICROBIENE DE OXID DE ZINC DOPATE CU ARGINT ȘI PROCEDEU DE OBTINERE https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-Inventii/2018/bopi_inv_07_2018.pdf	Lungu MV, Patroi D, Grigore F, Lucaci M, Tâlpeanu D, Tsakiris V, Mitrea SA, Brătulescu A, Cîrstea CD, Stancu N, Marinescu V, Sobetkii A, Chifiriuc MC , Popa M.
11	a 2016 00422	00132298 eliberat 28.02.2019	A61K 33/24	PROCEDEU DE OBTINERE A MATERIALELOR COMPOZITE PE BAZĂ DE OXID DE ZINC CU PROPRIETĂȚI BACTERIOSTATICE BACTERICIDE https://osim.ro/wp-	Visinescu DB, Calderon-Moreno JM, Socoteanu GM, Musuc AM, Culita DC, Ene CD, Chifiriuc MC , Pelinescu D, ȘI Lazar V, Carp O

				content/uploads/Publicatii-OSIM/BOPI-Inventii/2019/bopi_inv_02_2019.pdf	
12	a 2016 00780	00132592 eliberat 01/11/2016	C23C 14/08	ȚINTE DE PULVERIZARE ȘI FILME NANOSTRUCTURATE PE BAZĂ DE ARGINT-DIOXID DE TITAN CU PROPRIETĂȚI ANTIMICROBIENE, ȘI PROCEDU DE OBȚINERE http://online.osim.ro/cgi-bin/invsearch8	Brătulescu Alexandra; Lungu Magdalena-Valentina; Lucaci Mariana; Grigore Florentina; Tsakiris Violeta; Pătroi Delia; Mitrea Sorina Adriana; Sobetkii Arcadii; Sobetkii Arcadie; Tâlpeanu Dorinel; Chifiriuc Mariana-Carmen ; Radu Lăcrămioara-Elena
13	a 2017 00769	00133132 eliberat 28.09.2017	A61L 15/18	PROCEDU DE OBȚINERE A BIOPANSAMENTULUI PE BAZĂ DE HIDROXIAPATITĂ DOPATĂ CU ARGINT ÎN MATRICE DE COLAGEN https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-Inventii/2020/bopi_inv_06_2020.pdf	Predoi D, Ghita RV, Iconaru SL, Beuran M, Prodan AM, Chifiriuc MC
14	a 2020 00678	eliberat 29.10.2020		APĂ DE GURĂ PE BAZĂ DE CLORHEXIDINĂ ȘI MgB ₂ CA INGREDIENTE ACTIVE, CU EFECT SINERGIC ÎMPOTRIVA COLONIZĂRII MICROBIENE ȘI FORMĂRII PLĂCII DENTARE	Lupșa Mădplina; Popa Marcela; Chifiriuc Mariana Carmen ; Măruțescu Luminița Gabriela; Bădică Petre; Batalu Nicolae-Dan; Grigoroșcuță Mihail Alexandru; Burdușel Mihail; Aldica Gheorghe Virgil

ARTICOLE ISI PUBLICATE CA AUTOR PRINCIPAL

1. In Vitro Evaluation of MgB₂ Powders as Novel Tools to Fight Fungal Biodeterioration of Heritage Buildings and Objects

Author(s): Gheorghe, I; Avram, I; Corbu, VM; Marutescu, L; Popa, M; Balotescu, I; Blajan, I; Mateescu, V; Zaharia, D; Dumbrava, AS; Zetu, OE; Pecete, I; Cristea, VC; Batalu, D; Grigoroșcuta, MA; Burdusel, M; Aldica, GV; Badica, P; Datcu, AD; Ianovici, N; Bleotu, C; Lazar, V; Ditu, LM; **Chifiriuc, MC**

Source: FRONTIERS IN MATERIALS **Volume:** 7 **Article Number:** 601059

DOI: 10.3389/fmats.2020.601059 **Published:** JAN 13 2021

ISSN: 2296-8016

2. Multidrug Resistant Klebsiella pneumoniae ST101 Clone Survival Chain From Inpatients to Hospital Effluent After Chlorine Treatment

Author(s): Popa, LI; Gheorghe, I; Barbu, IC; Surleac, M; Paraschiv, S; Marutescu, L; Popa, M; Pircalabioru, GG; Talapan, D; Nita, M; Streinu-Cerceel, A; Streinu-Cerceel, A; Otelea, D; **Chifiriuc, MC**

Source: FRONTIERS IN MICROBIOLOGY **Volume:** 11 **Article Number:** 610296
DOI: 10.3389/fmicb.2020.610296 **Published:** JAN 11 2021
ISSN: 1664-302X

3. Valorization of Gleditsia triacanthos Invasive Plant Cellulose Microfibers and Phenolic Compounds for Obtaining Multi-Functional Wound Dressings with Antimicrobial and Antioxidant Properties

Author(s): Marinas, IC; Oprea, E; Geana, EI; Tutunaru, O; Pircalabioru, GG; Zgura, I; **Chifiriuc, MC**

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 22 **Issue:** 1

Article Number: 33 **DOI:** 10.3390/ijms22010033 **Published:** JAN 2021

eISSN: 1422-0067

4. Laser-Irradiated Chlorpromazine as a Potent Anti-Biofilm Agent for Coating of Biomedical Devices

Author(s): Nistorescu, S; Pircalabioru, GG; Udrea, AM; Simon, A; Pascu, ML; **Chifiriuc, MC**

Source: COATINGS **Volume:** 10 **Issue:** 12 **Article Number:** 1230

DOI: 10.3390/coatings10121230 **Published:** DEC 2020

eISSN: 2079-6412

5. Emerging Strategies to Combat beta-Lactamase Producing ESKAPE Pathogens

Author(s): Vrancianu, CO; Gheorghe, I; Dobre, EG; Barbu, IC; Cristian, RE; Popa, M; Lee, SH; Limban, C; Vlad, IM; **Chifiriuc, MC**

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 21 **Issue:** 22

Article Number: 8527 **DOI:** 10.3390/ijms21228527 **Published:** NOV 2020

eISSN: 1422-0067

6. Anti-biofilm Fe₃O₄@C-18-[1,3,4]thiadiazolo[3,2-a]pyrimidin-4-ium-2-thiolate Derivative Core-shell Nanocoatings

Author(s): Olar, R; Badea, M; Maxim, C; Grumezescu, AM; Bleotu, C; Marutescu, L; **Chifiriuc, MC**

Source: MATERIALS **Volume:** 13 **Issue:** 20 **Article Number:** 4640

DOI: 10.3390/ma13204640 **Published:** OCT 2020

eISSN: 1996-1944

7. SARS-CoV-2: From Structure to Pathology, Host Immune Response and Therapeutic Management

Author(s): Mihaescu, G; ***Chifiriuc, MC**; Iliescu, C; Vrancianu, CO; Ditu, LM; Marutescu, LG; Grigore, R; Bertesteanu, S; Constantin, M; Pircalabioru, GG

Source: MICROORGANISMS **Volume:** 8 **Issue:** 10 **Article Number:** 1468

DOI: 10.3390/microorganisms8101468 **Published:** OCT 2020

eISSN: 2076-2607

8. Rapid Detection and Antibiotic Susceptibility of Uropathogenic Escherichia coli by Flow Cytometry

Author(s): Velican, AM; Marutescu, L; Kamerzan, C; Cristea, VC; Banu, O; Borcan, E; **Chifiriuc, MC**

Source: MICROORGANISMS **Volume:** 8 **Issue:** 8 **Article Number:** 1233

DOI: 10.3390/microorganisms8081233 **Published:** AUG 2020

eISSN: 2076-2607

9. Evolution of Inflammatory and Oxidative Stress Markers in Romanian Obese Male Patients with Type 2

Diabetes Mellitus after Laparoscopic Sleeve Gastrectomy: One Year Follow-Up

Author(s): Picu, A; Petcu, L; Stefan, DS; Pircalabioru, GG; Mitu, M; Bajko, D; Lixandru, D; Guja, C; Savu, O; Stoian, AP; Constantin, A; Smeu, B; Copaescu, C; **Chifiriuc, MC**; Ionica, E; Ionescu-Tirgoviste, C

Source: METABOLITES **Volume:** 10 **Issue:** 8 **Article Number:** 308

DOI: 10.3390/metabo10080308 **Published:** AUG 2020

eISSN: 2218-1989

10. Novel hybrid materials based on heteroleptic Ru(III) complexes immobilized on SBA-15 mesoporous silica as highly potent antimicrobial and cytotoxic agents

Author(s): Marinescu, G; Culita, DC; Romanitan, C; Somacescu, S; Ene, CD; Marinescu, V; Negreanu, DG; Maxim, C; Popa, M; Marutescu, L; Stan, M; **Chifiriuc, C**

Source: APPLIED SURFACE SCIENCE **Volume:** 520 **Article Number:** 146379

DOI: 10.1016/j.apsusc.2020.146379 **Published:** AUG 1 2020

ISSN: 0169-4332

eISSN: 1873-5584

11. Biocides role in the selection and dissemination of resistant *Acinetobacter baumannii* clones

Author(s): Vrancianu, CO; Pelcaru, CF; Alistar, A; Gheorghe, I; Marutescu, L; Popa, M; Gradisteanu, G;

Chifiriuc, MC

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 25 **Issue:** 4 **Pages:** 1823-1831

DOI: 10.25083/rbl/25.4/1823.1831 **Published:** JUL-AUG 2020

ISSN: 1224-5984

12. Antibiotic Resistance Profiles, Molecular Mechanisms and Innovative Treatment Strategies of *Acinetobacter baumannii*

Author(s): Vrancianu, CO; Gheorghe, I; Czobor, IB; **Chifiriuc, MC**

Source: MICROORGANISMS **Volume:** 8 **Issue:** 6 **Article Number:** 935

DOI: 10.3390/microorganisms8060935 **Published:** JUN 2020

eISSN: 2076-2607

13. Targeting Plasmids to Limit Acquisition and Transmission of Antimicrobial Resistance

Author(s): Vrancianu, CO; Popa, LI; Bleotu, C; **Chifiriuc, MC**

Source: FRONTIERS IN MICROBIOLOGY **Volume:** 11 **Article Number:** 761

DOI: 10.3389/fmicb.2020.00761 **Published:** MAY 6 2020

ISSN: 1664-302X

14. Nanoparticulate drug-delivery systems for fighting microbial biofilms: from bench to bedside

Author(s): Pircalabioru, GG; **Chifiriuc, MC**

Source: FUTURE MICROBIOLOGY **Volume:** 15 **Issue:** 8 **Pages:** 679-698

DOI: 10.2217/fmb-2019-0251 **Published:** MAY 2020

ISSN: 1746-0913

eISSN: 1746-0921

15. New Substituted Benzoylthiourea Derivatives: From Design to Antimicrobial Applications

Author(s): Limban, C; ***Chifiriuc, MC**; Caproiu, MT; Dumitrascu, F; Ferbinteanu, M; Pintilie, L; Stefaniu,

A; Vlad, IM; Bleotu, C; Marutescu, LG; Nuta, DC
Source: MOLECULES **Volume:** 25 **Issue:** 7 **Article Number:** 1478
DOI: 10.3390/molecules25071478 **Published:** APR 2020
eISSN: 1420-3049

16. Whole genome sequencing snapshot of multi-drug resistant *Klebsiella pneumoniae* strains from hospitals and receiving wastewater treatment plants in Southern Romania

Author(s): Surleac, M; Barbu, IC; Paraschiv, S; Popa, LI; Gheorghe, I; Marutescu, L; Popa, M; Sarbu, I; Talapan, D; Nita, M; Iancu, AV; Arbune, M; Manole, A; Nicolescu, S; Sandulescu, O; Streinu-Cercel, A; Otelea, D; **Chifiriuc, MC**

Source: PLOS ONE **Volume:** 15 **Issue:** 1 **Article Number:** e0228079

DOI: 10.1371/journal.pone.0228079 **Published:** JAN 30 2020

ISSN: 1932-6203

17. Potential Therapeutic Approaches to Alzheimer's Disease By Bioinformatics, Cheminformatics And Predicted Adme-Tox Tools

Author(s): Avram, S; Mernea, M; Limban, C; Borcan, F; **Chifiriuc, C**

Source: CURRENT NEUROPHARMACOLOGY **Volume:** 18 **Issue:** 8 **Pages:** 696-719

DOI: 10.2174/1570159X18666191230120053 **Published:** 2020

ISSN: 1570-159X

eISSN: 1875-6190

18. BIOEVALUATION OF THE ANTIMICROBIAL AND ANTI-PROLIFERATIVE POTENTIAL OF SOME DERIVATIVES OF 3,5-DINITRO-4-METHOXYAMINO-BENZOIC ACID

Author(s): Zarafu, I; Patrascu, B; Marutescu, L; Bleotu, C; Limban, C; Tatibouet, A; ***Chifiriuc, MC**; Nuta, DC; Ionita, P

Source: FARMACIA **Volume:** 68 **Issue:** 1 **Pages:** 8-14

DOI: 10.31925/farmacia.2020.1.2 **Published:** JAN-FEB 2020

ISSN: 0014-8237

eISSN: 2065-0019

19. Thin coatings based on ZnO@C-18-usnic acid nanoparticles prepared by MAPLE inhibit the development of *Salmonella enterica* early biofilm growth

Author(s): Stan, MS; Constanda, S; Grumezescu, V; Andronescu, E; Ene, AM; Holban, AM; Vasile, BS; Mogoanta, L; Balseanu, TA; Mogosanu, GD; Socol, G; Grumezescu, AM; Dinischiotu, A; Lazar, V; **Chifiriuc, MC**

Source: APPLIED SURFACE SCIENCE **Volume:** 374 **Pages:** 318-325

DOI: 10.1016/j.apsusc.2015.12.063 **Published:** JUN 30 2016

ISSN: 0169-4332

eISSN: 1873-5584

20. Identification of fungal strains isolated from buildings of cultural importance in Romania and antagonistic relationships amongst them

Author(s): Sirghi, AC; Gheorghe, I; Sarbu, I; Marutescu, L; Stoian, G; Zong, ZY; **Chifiriuc, MC**

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 24 **Issue:** 6 **Pages:** 1008-1014

DOI: 10.25083/rbl/24.6/1008.1014 **Published:** NOV-DEC 2019
ISSN: 1224-5984

21. Resistance and Virulence Features in Carbapenem-resistant *Acinetobacter baumannii* Community Acquired and Nosocomial Isolates in Romania

Author(s): Gheorghe, I; Cristea, VC; Marutescu, L; Popa, M; Murariu, C; Trusca, BS; Borcan, E; Ghita, MC; Lazar, V; **Chifiriuc, MC**

Source: REVISTA DE CHIMIE **Volume:** 70 **Issue:** 10 **Pages:** 3502-3507 **Published:** OCT 2019
ISSN: 0034-7752

22. The development of an analysis protocol based on flow cytometry for rapid detection of uropathogenic *E. coli* in artificially contaminated urine samples

Author(s): Velican, AM; Kamerzan, C; Marutescu, L; Lambert, C; **Chifiriuc, MC**

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 24 **Issue:** 4 **Pages:** 563-570

DOI: 10.25083/rbl/24.4/563.570 **Published:** JUL-AUG 2019

ISSN: 1224-5984

23. ANTIMICROBIAL ASSAY OF A CAPSAICIN - alpha-CYCLODEXTRIN INCLUSION COMPLEX AGAINST PLANKTONIC AND ADHERENT CELLS

Author(s): Ciulu-Costinescu, F; Podgoreanu, P; Delcaru, C; Simionescu, A; Georgescu, EF; Bostan, M; **Chifiriuc, MC**

Source: FARMACIA **Volume:** 67 **Issue:** 3 **Pages:** 496-503

DOI: 10.31925/farmacia.2019.3.18 **Published:** MAY-JUN 2019

ISSN: 0014-8237

eISSN: 2065-0019

24. Covalent coupling of tuberculostatic agents and graphene oxide: A promising approach for enhancing and extending their antimicrobial applications

Author(s): Tudos, M; Anghel, EM; Culita, DC; Somacescu, S; Calderon-Moreno, J; Tecuceanu, V; Dumitrascu, FD; Dracea, O; Popa, M; Marutescu, L; Bleotu, C; Curutiu, C; **Chifiriuc, MC**

Source: APPLIED SURFACE SCIENCE **Volume:** 471 **Pages:** 553-565

DOI: 10.1016/j.apsusc.2018.11.242 **Published:** MAR 31 2019

ISSN: 0169-4332

eISSN: 1873-5584

25. Gut Microbiota, Host Organism, and Diet Triologue in Diabetes and Obesity

Author(s): Lazar, V; Ditu, LM; Pircalabioru, GG; Picu, A; Petcu, L; Cucu, N; **Chifiriuc, MC**

Source: FRONTIERS IN NUTRITION **Volume:** 6 **Article Number:** 21

DOI: 10.3389/fnut.2019.00021 **Published:** MAR 13 2019

ISSN: 2296-861X

26. Influence of age on sperm parameters in men with suspected infertility

Author(s): Silea, C; Cucu, IA; Zarnescu, O; Stoian, AP; Motofei, IG; Bratu, OG; Pircalabioru, GG; **Chifiriuc, MC**

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 24 **Issue:** 1 **Pages:** 82-90

DOI: 10.25083/rbl/24.1/82.90 **Published:** JAN-FEB 2019

ISSN: 1224-5984

27. Phenotypic and genotypic evaluation of adherence and biofilm development in *Candida albicans* respiratory tract isolates from hospitalized patients

Author(s): Sadik, O; Ditu, LM; Gheorghe, I; Holban, AM; Curutiu, C; Parcalabioru, GG; Avram, I; Banu, O; Al-mandawy, O; Alkurjia, DA; **Chifiriuc, MC**

Source: REVISTA ROMANA DE MEDICINA DE LABORATOR **Volume:** 27 **Issue:** 1 **Pages:** 73-83

DOI: 10.2478/rrlm-2019-0007 **Published:** JAN 2019

ISSN: 1841-6624

eISSN: 2284-5623

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Author(s): Lungu, MV; Sobetkii, A; Sobetkii, AA; Patroi, D; Prioteasa, P; Ion, I; Negrila, CC; **Chifiriuc, MC**

Source: THIN SOLID FILMS **Volume:** 667 **Pages:** 76-87

DOI: 10.1016/j.tsf.2018.09.055 **Published:** DEC 1 2018

ISSN: 0040-6090

29. Resistance and Virulence Patterns in Gram Negative and Gram Positives Rods Isolated from the Hospital Environment in Bucharest, Romania

Author(s): Mitache, MM; Banu, O; Borcan, E; Gheorghe, I; Marutescu, L; Popa, M; Predescu, M; Rusu, E; Nemes, R; **Chifiriuc, MC**

Source: REVISTA DE CHIMIE **Volume:** 69 **Issue:** 11 **Pages:** 4026-4032 **Published:** NOV 2018

ISSN: 0034-7752

30. Synthesis and Characterization of Chitosan-Coated Cobalt Ferrite Nanoparticles and Their Antimicrobial Activity

Author(s): Gingasu, D; Mindru, I; Patron, L; Ianculescu, A; Vasile, E; Marinescu, G; Preda, S (Preda, Silviu); Diamandescu, L; Oprea, O; Popa, M; Saviuc, C; **Chifiriuc, MC**

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS **Volume:** 28 **Issue:** 5 **Pages:** 1932-1941 **DOI:** 10.1007/s10904-018-0870-3

Published: SEP 2018

ISSN: 1574-1443

eISSN: 1574-1451

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Author(s): Delcaru, C; Alexandru, I; Podgoreanu, P; Cristea, VC; Bleotu, C; **Chifiriuc, MC**; Bezirtzoglou, E; Lazar, V

Source: ANAEROBE **Volume:** 39 **Pages:** 39-44

DOI: 10.1016/j.anaerobe.2016.02.010 **Published:** JUN 2016

ISSN: 1075-9964

eISSN: 1095-8274

32. Antifungal bionanocomposites based on poly(lactic acid) and silver nanoparticles for potential medical devices

Author(s): Stoica, P; Rapa, M; ***Chifiriuc, MC**; Lungu, M; Tatia, R; Nita, MI; Grumezescu, AM; Bertesteanu, S; Bezirtzoglou, E; Lazar, V

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 20 **Issue:** 4

Pages: 10696-10707 **Published:** JUL-AUG 2015

ISSN: 1224-5984

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Author(s): Lazar, V; Ditu, LM; Pircalabioru, GG); Gheorghe, I; Curutiu, C; Holban, AM; Picu, A; Petcu, L;

Chifiriuc, MC

Source: FRONTIERS IN IMMUNOLOGY **Volume:** 9 **Article Number:** 1830

DOI: 10.3389/fimmu.2018.01830 **Published:** AUG 15 2018

ISSN: 1664-3224

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Author(s): Mitache, MM; Curutiu, C; Gheorghe, I; Lazar, V; Bucur, M; Bleotu, C; Cochior, D; Rusu, E;

Chifiriuc, CM

Source: REVISTA DE CHIMIE **Volume:** 69 **Issue:** 1 **Pages:** 116-120 **Published:** JAN 2018

Accession Number: WOS:000425369600023

ISSN: 0034-7752

35. Novel Hybrid Formulations Based on Thiourea Derivatives and Core@Shell Fe₃O₄@C-18 Nanostructures for the Development of Antifungal Strategies

Author(s): Limban, C ; Missir, AV; Caproiu, MT; Grumezescu, AM; ***Chifiriuc, MC**; Bleotu, C; Marutescu, L; Papacocca, MT; Nuta, DC

Source: NANOMATERIALS **Volume:** 8 **Issue:** 1 **Article Number:** 47 **DOI:** 10.3390/nano8010047

Published: JAN 2018

ISSN: 2079-4991

36. Adherence and Biofilm Formation in Candida albicans Strains Isolated from Different Infection Sites in Hospitalized Patients

Author(s): Sadik, O; Ditu, LM; Gheorghe, I; Pircalabioru, GG ; Bleotu, C ; Banu, O; Merezeanu, N; Lupu, AC; Lazar, V; **Chifiriuc, MC**

Source: REVISTA DE CHIMIE **Volume:** 68 **Issue:** 12 **Pages:** 2832-2835 **Published:** DEC 2017

ISSN: 0034-7752

37. ANTIMICROBIAL ACTIVITY OF SOME NEW Ru(III) COMPLEXES WITH QUINOLONE DERIVATIVES

Author(s): Uivarosi, V; Olar, R; Badea, M; **Chifiriuc, MC**

Source: FARMACIA **Volume:** 65 **Issue:** 6 **Pages:** 972-977 **Published:** NOV-DEC 2017

ISSN: 0014-8237

eISSN: 2065-0019

38. Assessment of the anti-biofilm activity and biocompatibility of novel PE and PVC polymers
Author(s): Telcian, A; Hussien, MD; ***Chifiriuc, MC**; Bleotu, C; Holban, AM; Curutiu, C; Grosu, E; Fikai, A; Mihaescu, G; Grigore, R; Ditu, LM
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 22 **Issue:** 5 **Pages:** 12997-13004 **Published:** SEP-OCT 2017
ISSN: 1224-5984

39. Biochemical, Virulence and Resistance Features in Bacterial Strains Recovered from Hospital Surfaces after Decontamination with Quaternary Ammonium Compounds, Triclosan and Iodine Desinfectants
Author(s): Mitache, MM; Gheorghe, I; Totea, G; Bleotu, C; Curutiu, C; Cochior, D; Rusu, E; **Chifiriuc, MC**
Source: REVISTA DE CHIMIE **Volume:** 68 **Issue:** 5 **Pages:** 997-1001 **Published:** MAY 2017
ISSN: 0034-7752

40. Markers of Oxidative Stress and Antioxidant Defense in Romanian Patients with Type 2 Diabetes Mellitus and Obesity
Author(s): Picu, A; Petcu, L; Stefan, S; Mitu, M; Lixandru, D; Ionescu-Tirgoviste, C; Pircalabioru, GG; Ciulu-Costinescu, F; Bubulica, MV; **Chifiriuc, MC**
Source: MOLECULES **Volume:** 22 **Issue:** 5 **Article Number:** 714
DOI: 10.3390/molecules22050714 **Published:** MAY 2017
ISSN: 1420-3049

41. Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS) reveals the anaerobic *Slakia exigua* as unique etiology of a dental abscess
Author(s): Pricop, R; Cristea, VC; Gheorghe, I; Tatu, AL; Mihaescu, G; **Chifiriuc, MC**
Source: BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY **Volume:** 7 **Issue:** 2
Pages: 1995-1997 **Published:** APR 15 2017
ISSN: 2069-5837

42. Urinary Tract Infections in Patients with Type 1 and Type 2 Diabetes: Etiology, Resistance to Antibacterial Chemicals and Virulence Features
Author(s): Mitache, MM; Curutiu, C; Rusu, E; Bahna, R; Ditu, M; Moldovan, H; Hancu, V; **Chifiriuc, MC**
Source: REVISTA DE CHIMIE **Volume:** 68 **Issue:** 3 **Pages:** 566-569 **Published:** MAR 2017
ISSN: 0034-7752

43. Soft chemistry routes for the preparation of Ag-CoFe₂O₄ nanocomposites
Author(s): Gingasu, D; Mindru, I; Patron, L; Marinescu, G; Preda, S; Calderon-Moreno, JM; Osiceanu, P; Somacescu, S; Stanica, N; Popa, M; Saviuc, C; **Chifiriuc, MC**
Source: CERAMICS INTERNATIONAL **Volume:** 43 **Issue:** 3 **Pages:** 3284-3291
DOI: 10.1016/j.ceramint.2016.11.161 **Published:** FEB 15 2017
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

45. Development and Sequential Analysis of a New Multi-Agent, Anti-Acne Formulation Based on Plant-Derived Antimicrobial and Anti-Inflammatory Compounds

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

ISSN: 1574-888X

eISSN: 2212-3946

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

49. SYNTHESIS, CHARACTERIZATION AND EVALUATION OF THE ANTIMICROBIAL AND CYTOTOXIC ACTIVITY OF TWO NOVEL COMPLEXES OF Gd(III) WITH PIROXICAM AND MELOXICAM

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; Sobetkii, A; Sobetkii, 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

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

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

53. Multifunctional Silver Nanoparticles-Decorated Silica Functionalized with Retinoic Acid with Anti-Proliferative and Antimicrobial Properties

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

eISSN: 1574-1451

54. Preparation and characterization of undoped and cobalt doped ZnO for antimicrobial use

Author(s): Stoica, AO; Andronescu, 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

55. *Rosmarinus Officinalis* Essential Oil and Eucalyptol Act as Efflux Pumps Inhibitors and Increase Ciprofloxacin Efficiency against *Pseudomonas Aeruginosa* and *Acinetobacter Baumannii* MDR Strains

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

56. Mesoporous silica coatings for cephalosporin active release at the bone-implant interface

Author(s): Radulescu, D; Voicu, G; Oprea, AE; Andronescu, 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

57. Fabrication, Characterization, and Evaluation of Bionanocomposites Based on Natural Polymers and Antibiotics for Wound Healing Applications

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; Andronescu, 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

59. Drosophotoxicology: An Emerging Research Area for Assessing Nanoparticles Interaction with Living Organisms

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

60. Microbial Resistance to Natural Compounds: Challenges for Developing Novel Alternatives to Antibiotics

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

61. Virulence and resistance features of Pseudomonas aeruginosa strains isolated from chronic leg ulcers

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

62. Periodontitis and Periodontal Disease - Innovative Strategies for Reversing the Chronic Infectious and Inflammatory Condition by Natural Products

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
eISSN: 1687-4129

65. Molecular analysis of antibiotic resistance and virulence features of Staphylococcus sp. strains isolated from patients with chronic leg ulcers

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

66. Antibacterial Activity Evaluation of Silver Nanoparticles Entrapped in Silica Matrix Functionalized with Antibiotics

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

67. MAPLE fabrication of thin films based on kanamycin functionalized magnetite nanoparticles with anti-pathogenic properties

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

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

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

70. Silver nanoparticles embedded into silica functionalized with vitamins as biological active materials

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

71. Microbial Biofilms: Impact on the Pathogenesis of Periodontitis, Cystic Fibrosis, Chronic Wounds and Medical Device-Related Infections

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

72. Metallic-Based Micro and Nanostructures with Antimicrobial Activity

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

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

74. SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITY OF CU(II), NI(II), CO(II) AND MN(II) BINUCLEAR COMPLEXES DERIVED FROM 1,3-BIS(2'-FORMYLPHENYL)-1,3-DIOXAPROPANE AND L-TRYPTOPHAN

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

eISSN: 2150-5608

76. Nanostructured Bioactive Polymers Used in Food-Packaging

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

Source: CURRENT 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

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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

83. Antibiotic resistance of food-borne enterobacterial strains isolated in Bucharest, Romania

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

84. Functionalized antibiofilm thin coatings based on PLA-PVA microspheres loaded with usnic acid natural

compounds fabricated by MAPLE

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

86. Polymicrobial wound infections: Pathophysiology and current therapeutic approaches

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

87. New silica nanostructure for the improved delivery of topical antibiotics used in the treatment of staphylococcal cutaneous infections

Author(s): Grumezescu, AM; Ghitulica, CD; Voicu, G; Huang, KS; Yang, CH; Ficai, 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

88. Role of Pseudomonas aeruginosa quorum sensing (QS) molecules on the viability and cytokine profile of human mesenchymal stem cells

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

90. Extended-spectrum Beta-lactamase Production in Pseudomonas aeruginosa and Acinetobacter baumannii Strains: Epidemiology, Molecular Characterization and Novel Proteomics-based Diagnostic Tools

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

98. Virulence markers in Pseudomonas aeruginosa isolates from hospital-acquired infections occurred in patients with underlying cardiovascular disease

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; Ficai, A; Ficai, 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; Ficai, 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; Andronescu, E; Ficai, A; Cotar, AI; Grumezescu, V; Bezirtoglou, 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

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Author(s): Grumezescu, AM; Cotar, AI; Andronescu, 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; Andronescu, 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; Andronescu, 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

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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; Andronescu, 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; Andronescu, 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

ISSN: 1385-2728

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; Andronescu, 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
ISSN: 1385-2728
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
ISSN: 1385-2728
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
ISSN: 1385-2728
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

ISSN: 1385-2728

eISSN: 1875-5348

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

Author(s): Grumezescu, AM; Andronescu, E; Ficai, 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; Andronescu, E; Ficai, 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 carryophyllata Essential Oil

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

ISSN: 0378-5173

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; Andronescu, 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

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; Andronescu, 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

ISSN: 0014-8237

eISSN: 2065-0019

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

ISSN: 0014-8237

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

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 Thiourea Derivatives

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

141. BACTERIAL ADHERENCE TO THE CELLULAR AND INERT SUBSTRATE IN THE PRESENCE OF CoFe₂O₄ AND Fe₃O₄/OLEIC ACID - CORE/SHELL

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; Andronescu, E; Ficai, 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-Andrescu, 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:** 721-727 **DOI:** 10.1007/s10973-009-0280-4 **Published:** AUG 2009
ISSN: 1388-6150

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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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

ISSN: 0268-2605

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 Periosteotics

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; Papacocea, 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
DOI: 10.25083/rbl/25.3/1658.1665 **Published:** MAY-JUN 2020

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.agtsy.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.arabjc.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

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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

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eISSN: 1095-7103

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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

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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

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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

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eISSN: 1530-8057

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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; Andronesu, E; **Chifiriuc, MC**; Hermenean, A

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

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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

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eISSN: 1099-0739

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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

ISSN: 0014-8237

eISSN: 2065-0019

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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

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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

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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

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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

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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

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Author(s): Pathak, TK; Kroon, RE; Craciun, V; Popa, M; **Chifiriuc, MC**; Swart, HC

Source: HELIYON **Volume:** 5 **Issue:** 3 **Article Number:** e01333

DOI: 10.1016/j.heliyon.2019.e01333 **Published:** MAR 2019

ISSN: 2405-8440

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

Author(s): Negut, I; Visan, AI; Popescu, C; Cristescu, R; Ficai, 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

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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
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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
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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

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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
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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

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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

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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; Achin A; Popescu, A

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

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

ISSN: 2079-6412

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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

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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

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

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

Source: LANGMUIR **Volume:** 34 **Issue:** 45 **Pages:** 13638-13651

DOI: 10.1021/acs.langmuir.8b02528 **Published:** NOV 13 2018

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

Source: SENSORS AND ACTUATORS B-CHEMICAL **Volume:** 273 **Pages:** 298-304

DOI: 10.1016/j.snb.2018.06.057 **Published:** NOV 10 2018

eISSN: 0925-4005

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

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 23 **Issue:** 6 **Pages:** 14235-14243

DOI: 10.26327/RBL2018.243 **Published:** NOV-DEC 2018

ISSN: 1224-5984

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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

Published: NOV-DEC 2018

ISSN: 0014-8237

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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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Published: NOV 2018

ISSN: 1434-6621

eISSN: 1437-4331

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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

DOI: 10.1016/j.indcrop.2018.06.019 **Published:** OCT 15 2018

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eISSN: 1872-633X

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

Source: BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY **Volume:** 14 **Pages:** 2580-2588

DOI: 10.3762/bjoc.14.235 **Published:** OCT 5 2018

ISSN: 1860-5397

60. New N-(oxazolylmethyl)-thiazolidinedione Active against *Candida albicans* Biofilm: Potential Als Proteins Inhibitors

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**

Number: 2522 **DOI:** 10.3390/molecules23102522 **Published:** OCT 2018

eISSN: 1420-3049

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

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 527-541 **DOI:** 10.1007/s10973-018-6994-4

Published: OCT 2018

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62. Thermal behaviour of some biological active perchlorate complexes with a triazolopyrimidine derivative
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

Published: OCT 2018

ISSN: 1388-6150

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

Source: JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY **Volume:** 46

Pages: 162-172 **DOI:** 10.1016/j.jddst.2018.05.012 **Published:** AUG 2018
ISSN: 1773-2247

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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

ISSN: 0014-8237

eISSN: 2065-0019

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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

DOI: 10.1016/j.apsusc.2018.02.047 **Published:** MAY 31 2018

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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

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1156 **Pages:** 12-21

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)

Source: JOURNAL OF THERMAL ANALYSIS AND

CALORIMETRY **Volume:** 131 **Issue:** 3 **Pages:** 2073-2085 **DOI:** 10.1007/s10973-017-6832-0

Published: MAR 2018

ISSN: 1388-6150

eISSN: 1588-2926

69. NEW DERIVATIVES OF 2-THIOPHENE CARBOXYLIC ACID: SYNTHESIS, STRUCTURE

AND ANTIMICROBIAL STUDIES

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

71. SYNTHESIS, STRUCTURAL, PHISICO-CHEMICAL CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY SCREENING OF NEW THIOUREA DERIVATIVES

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

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

ISSN: 0014-8237

eISSN: 2065-0019

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

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 23 **Issue:** 1 **Pages:** 13225-13234

Published: JAN-FEB 2018

ISSN: 1224-5984

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

Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 22 **Issue:** 6 **Pages:** 13116-13124

Published: NOV-DEC 2017

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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

75. Assessment the Activity of Some Enzymes and Antibiotic Substances Sensitivity on Pathogenic Bacteria Species

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
ISSN: 0034-7752

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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

Published: NOV-DEC 2017

ISSN: 1224-5984

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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

Source: REVISTA ROMANA DE MEDICINA DE LABORATOR **Volume:** 25 **Issue:** 4

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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 APPLICATIONS **Volume:** 79 **Pages:** 499-506 **DOI:** 10.1016/j.msec.2017.05.083

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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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DOI: 10.1016/j.apsusc.2016.11.129 **Published:** SEP 30 2017

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

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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

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Author(s): Dorneanu, R; Cioanca, O; **Chifiriuc, 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

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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

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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

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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; Pirmau, A; Marutescu, L; **Chifiriuc, MC**; Oniga, O

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

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eISSN: 2065-0019

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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; Kameran, 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

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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

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

ISSN: 1224-5984

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

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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

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

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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

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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

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ISSN: 1224-5984

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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

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Published: JAN 2017

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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

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

Source: NANOMATERIALS **Volume:** 7 **Issue:** 2 **Article Number:** 43 **DOI:** 10.3390/nano7020043

Published: FEB 2017

eISSN: 2079-4991

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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
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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

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

ISSN: 1388-6150

eISSN: 1588-2926

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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

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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

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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

Published: JAN 2017

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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

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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

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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

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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

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eISSN: 1875-5348

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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

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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

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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

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

ISSN: 0378-5173

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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

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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

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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

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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

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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

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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

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

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

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

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

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

eISSN: 1420-3049

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Author(s): Jassam, N; Lake, J; Dabrowska, M; Queraltó, 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

ISSN: 0393-0564

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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

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Author(s): Radulescu, M; Andronescu, E; Dolete, 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

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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

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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

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

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

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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

ISSN: 0021-9797

eISSN: 1095-7103

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

Author(s): Holban, AM; Grumezescu, V; Ficai, A; Grumezescu, AM; **Chifiriuc, MC**; Iordache, F; Andronescu, 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; Andronescu, 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; Ficai, 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

141. Frequency and phenotypic virulence features of Streptococcus pyogenes strains isolated from throat carriage in Romanian population

Author(s): Ionescu, D; **Chifiriuc, MC**; Ionescu, B; Cristea, VC; Sacagiu, B; Duta, M; Neacsu, G; Gilca, R; Bleotu, C; Bezirtzoglul, 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; Ficai, 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; Ficai, 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; Negrila, 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; Ficai, 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
ISSN: 1388-6150
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

Volume: 9 **Issue:** 4 **Pages:** 1555-1568 **Published:** OCT-DEC 2014

ISSN: 1842-3582

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-hydroxybutyric acid-co-3-hydroxyvaleric 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

ISSN: 1758-5082

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 bismacrocyclic 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; Andronescu, 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; Baciu, I; Draghici, C; Ionita, P; Paun, A; **Chifiriuc, MC**; Sbarcea, A; Zarafu, I
Source: BIOORGANIC & MEDICINAL CHEMISTRY **Volume:** 21 **Issue:** 17 **Pages:** 5355-5361
DOI: 10.1016/j.bmc.2013.06.013 **Published:** SEP 1 2013
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177. Synthesis and microbiological evaluation of several benzocaine derivatives
Author(s): Paun, A; Zarafu, 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
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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

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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; Mihailescu, 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

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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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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

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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; Fikai, A; Huang, KS; Yang, CH; **Chifiriuc, CM**; Lin, YS

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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

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187. Fe₃O₄@C-18-CARVONE TO PREVENT CANDIDA TROPICALIS BIOFILM DEVELOPMENT

Author(s): Holban, AM; Grumezescu, AM; Fikai, A; **Chifiriuc, CM**; Lazar, V; Radulescu, R

Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS

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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

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Author(s): Costescu, A; Ciobanu, CS; Iconaru, SL; Ghita, RV; **Chifiriuc, CM**; Marutescu, LG; Predoi, D

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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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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
DOI: 10.1155/2013/587021 **Published:** 2013
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192. Thermal behaviour of some new complexes with decaaza bismacrocyclic ligand as potential antimicrobial species

Author(s): Bucur, C; Badea, M; Larisa, C; Marinescu, D; Grecu, MN; Stanica, N; **Chifiriuc, MC**; Olar, R
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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
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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
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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
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Author(s): Saviuc, C; Grumezescu, AM; **Chifiriuc, CM**; Mihaiescu, DE; Hristu, R; Stanciu, G; Oprea, E; Radulescu, V; Lazar, V
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Author(s): Iordache, F; Iordache, C; Lixandru, M; Holban, A; Bleotu, C; Lazar, V; **Chifiriuc, C**; Maniu, H
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Author(s): Radu, BM; Bacalum, M; Marin, A; **Chifiriuc, CM**; Lazar, V; Radu, M
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Author(s): Limban, C; Missir, AV; Chirita, IC; Nitulescu, GM; Caproiu, MT; **Chifiriuc, MC**; Israil, AM
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Author(s): Grumezescu, AM; Mihaiescu, DE; Mogosanu, DE; **Chifiriuc, MC**; Lazar, V; Calugarescu, I; Traistaru, V
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Author(s): Badiceanu, CD; Missir, AV; **Chifiriuc, MC**; Dracea, O; Raut, I; Larion, C; Ditu, LM; Mihaescu, G
Source: ROMANIAN BIOTECHNOLOGICAL LETTERS **Volume:** 15 **Issue:** 5 **Pages:** 5545-5551
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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

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

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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
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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
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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
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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
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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
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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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Author(s): Cristescu, R; Popescu, C; Socol, G; Iordache, I; Mihailescu, IN; Mihaiescu, DE; Grumezescu, AM; Balan, A; Stamatina, I; **Chifiriuc, C**; Bleotu, C; Saviuc, C; Popa, M; Chrisey, DB

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LISTA DE CONTRIBUȚII

A. CĂRȚI

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C. NUMERE SPECIALE ÎN REVISTE ÎN CALITATE DE EDITOR

1. Sustainability – Dealing with Environmental Conflicts (2019)
2. Procedia Environmental Sciences (2011, 2015)

D. ARTICOLE/STUDII DE SPECIALITATE COTATE I.S.I. (S), INDEXATE ISI (R), INDEXATE ÎN BAZE DE DATE INTERNAȚIONALE (D), PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE RECUNOSCUTE (VI), PUBLICATE ÎN ALTE REVISTE RECUNOSCUTE CNCSIS (L), ALTE LUCRĂRI PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE NAȚIONALE (VN).

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1. Popa, A.M., **Ioja, I.C.**, Niță, M.R., Onose, D.A. (2022), Urban Sustainability Assessment of Romanian Cities, *Carpathian Journal of Earth and Environmental Sciences*, Vol. 17, No. 2, p. 373 – 385; DOI:10.26471/cjees/2022/017/229, IF 1.347, AIS 0.170
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3. Nita A., Hossu C.A., Mitincu C.G., **Ioja I.C.** (2022) A review of the quality of environmental impact statements with a focus on urban projects from Romania, *Ecological Informatics*, 101723, IF 4.498, AIS 0.748 (**zonă roșie**)
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D. ARTICOLE PUBLICATE ÎN PUBLICATII INTERNATIONALE INDEXATE ISI

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1. Pânzaru D.M.R., **Iojă I.C.**, Pleșoianu A.I., Hossu C.A., Diaconu D.C. (2022) Nature-based solutions for urban waters in Romanian cities. *Nature-Based Solutions* 2: 100036 (DOAJ)
2. Stoia, N.R., **Iojă, I.C.**, Grădinaru, S.R. (2020), Could urban green space management in mehedinti county be conducted following green infrastructure planning principles? *Rev. Roum. Géogr./Rom. Journ. Geogr.*, 64, (2), p. 175–186 (SCOPUS)
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5. **Iojă. C.**, Niță, M., Ciocănea, C., Cucu, A., Onose, D., Iojă, A. (2011), *The endowment of residential spaces with domestic appliances in Bucharest – indicator in environmental quality assessment*, International Conference on Urban Sustainability, Cultural Sustainability, Green Development, Green Structures and Clean Cars, USCUDAR - Proceedings, pp. 125-129 (SCOPUS)
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11. Ghervase, L., **Iojă, C.**, Carstea, E., Savastru, D., Pavelescu, G., Nita, M., Niculita, L. (2010), *Spectroscopic and physico-chemical evaluation of lentic ecosystems from Bucharest City*, *Selected Topics in Energy, Environment, Sustainable Development and Landscaping*, pag. 272-277 (SCOPUS)
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VI. ARTICOLE/STUDII PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE RECUNOSCUTE DIN ȚARĂ ȘI DIN STRĂINĂTATE (CU ISSN SAU ISBN)

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7. E. M. Carstea, G. Pavelescu, **Ioja**, I.C., L. Cristescu, Evaluation of the anthropogenic impact on surface water systems: case of Lower Arges Basin, Romania, Proc. 8th World Wide Workshop for Young Environmental Scientists WWW-YES 2009: Urban waters: resource or risks? 2-5 June 2009, Franta, p 110/188 – 116/188

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12. Marius Matache, Ioja, I.C., Carmen Hura, Gabriel Vânău (2008), *Assessing seasonal changes in Organochlorine Pesticides Concentration in the sediments of Argeș River*, Proceedings of 9 th International HCH and Pesticides Forum for Central and Eastern European, Caucasus and Central Asia Countries, pag. 194-199(6 pagini, 7 figuri, 2 tabele), ISBN 978-9975-70-707-7
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22. Marius Matache, Alin Tudorache, Constantin Marin, **Ioja, I.C.** (2007), Considerations on the Arges river Chemistry with special emphasis on the toxic compounds, EUROanalysisXIV, 9-14 septembrie, Antwerp
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25. Maria Pătroescu, Mariana Dobre, Radu Necșuliu, **Ioja, I.C.**, Laurențiu Rozyłowicz, *Impact assessment on the Pinus nigra ssp. Banatica site by natural and antropic causes in the area of the Domogled-Valea Cernei National Park*, in Maria Patroescu si Marius Matache (eds.), Proceedings of 2nd International Conference on Environmental Research and Assessment, Bucharest, 5-8 octombrie 2006, pag. 350-361 (12 pagini, 7 figuri), ISSN 1842-4201
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- L2. Ioja, I.C.** (2005), *Metropolizarea și calitatea mediului*, Comunicări de Geografie, Editura Universității din București, pg. 279-284; (6 pagini), ISSN 1453-5483
- L3. Ioja, I.C.**, Simona Toma (2005), *Dynamics of land use and their reflection in the quality of environment within Bucharest's metropolitan area*, Analele Universității din Craiova, Seria Geografie, vol. 8, pag. 64-71 (8 pagini, 3 figuri, 1 tabel)
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- L8. Ioja, I.C.**, Silviu Chiriac (2004), *Disfuncționalități de mediu determinate de activitățile de creșterea animalelor în vestul județului Vrancea*, Comunicări de Geografie Editura Universității din București, pg. 279-284; (6 pagini, 2 tabele), ISSN 1453-5483
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Comunicări de Geografie, Editura Universității din București, pg. 279-284; (6 pagini, 4 figuri), ISSN 1453-5483

L.10. Ioja, I.C., Radu Necșuliu (2003), *Structura pe grupe de vârstă și sexe a populației din vestul județului Vrancea în 1992*, Analele Universității din Craiova, VI (6 pagini, 2 figuri), ISSN 1224-4112

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L.12. Maria Pătroescu, **Ioja, I.C.**, Radu Necșuliu, Cristina Brăilescu (2003-2004), *The quality of oxygenating surfaces. The green areas of Bucharest. A case studies*, Revue Roumaine de Geographie, Editura Academiei Romane, 47-48, Pag. 205-216 (10 pagini, 1 figura, 1 tabel), ISSN 1220-5311

L.13. Maria Pătroescu, **Ioja, I.C.** (2002), *Poluarea fonică – o problemă acută în municipiul București*, Analele Universității din Craiova, Seria Geografie, V, pag. 8-18 (10 pagini, 5 figuri), ISSN 1224-4112

L.14. Maria Pătroescu, **Ioja, I.C.** (2001), *Protection and restoration measures of mountainous wetlands*, Analele Universității din București, L, pg. 19-27 (9 pagini, 1 tabel), ISSN 1013-4115

L.15. Maria Pătroescu, **Ioja, I.C.** (2001), *Zonele umede montane – ecosisteme fragile ecologic*, Analele Universității din Craiova, Seria Geografie, IV, pg. 8-18 (10 pagini, 1 figură), ISSN 1224-4112

VN. ARTICOLE PUBLICATE ÎN PUBLICATII UNOR CONFERINTE NATIONALE RECUNOSCUTE (CU ISSN SAU ISBN)

VN.1. Ioja, I.C., Laurențiu Rozyłowicz, Cristian Tetelea (2003), *Categorii de zone fragile ecologic în România*, Editura Promotal, București, pag. 206-212 (7 pagini), ISBN 973-98568-2-9

VN.2. Maria Pătroescu, **Ioja, I.C.**, Laurențiu Rozyłowicz (2002), *Principii de management a ariilor protejate din România. Studiu de caz Parcul Natural Porțile de Fier*, Editura Altius Academy, Iași, pag. 136-146 (10 pagini), ISBN 973-8277-05-1

E. PROIECTE DE CERCETARE-DEZVOLTARE-INOVARĂ PE BAZA DE CONTRACT/GRANT

a. Colaborator la proiecte de cercetare internaționale

1. POIM 117515 - Concrete conservation measures of biodiversity and landscape in Iron Gates Natural Park, 2019-2022, expert biodiversitate
2. POIM 120008 - Managementul adecvat al speciilor invazive din Romania, in conformitate cu Regulamentul UE 1143/2014 referitor la prevenirea si gestionarea introducerii si raspandirii speciilor alogene invazive, 2018-2022 (expert pentru elaborarea planului de acțiune pentru specii alogene invazive)
3. **LIFE10 NAT/RO/740 - Improving the conservation status for the priority species and habitats in the Iron Gates wetlands. 2012-2016, Project financed by the EU - DG Environment** (coordonarea a acțiunilor de *Inventarierea și cartarea*

- activităților socio-economice în vederea evaluării impactului asupra procesului de eutrofizare)*
4. ESPON Targeted Analysis Based on User Demand 2013/2/19 Growth Poles in South-East of Europe 2012-2013, Comisia Europeană
 5. LIFE NATURE Ecological restoration of Lower Prut Floodplain Natural Park, Comisia Europeană, 2005-2009 (responsabil pe proiect al acțiunilor *Inventarierea resurselor abiotice din Parcul Natural Lunca Joasa a Prutului Inferior, Evaluarea socio-economica a asezarilor umane din proximitatea Parcului Natural Lunca Joasa a Prutului Inferior, Evaluarea impactului asupra mediului al activităților umane din Parcul Natural Lunca Joasă a Prutului Inferior, Evaluarea capacității de suport a ecosistemelor din Parcul Natural Lunca Joasă a Prutului Inferior, Inventarierea și cartarea speciilor de păsări în vederea elaborării de plan de management pentru Parcul Natural Lunca Prutului Inferior, Elaborarea planului de management al Parcului Natural Lunca Joasă a Prutului Inferior*)
 6. LIFE NATURE *Enhancing the protection system of large carnivores in Vrancea County*, Comisia Europeană, 2005-2009 (responsabil din partea Universității din București pentru *Elaborarea planurilor de management pentru siturile NATURA 2000 din județul Vrancea*)
 7. LIFE NATURE Iron Gates – Habitat conservation and Management, Comisia Europeană, 2000-2004 (membru in echipa de realizare a planului de management al Parcului Natural Portile de Fier)
 8. LIFE NATURE In situ conservation of Large Carnivore in Vrancea County, Comisia Europeană, 2001-2005 (responsabil al actiunii de *Evaluare socio-economica a asezarilor umane si stanelor din vestul judetului Vrancea*)
 9. Evaluarea ecologico-economică a județelor României, USAID, 2001-2002
 10. TEMPUS_JEP 12505 Developing new teaching and learnig methods, Comisia Europeană, 2000
 11. Socrates Minerva HERODOT – Using the Internet in Teaching Geography, Comisia Europeană, 2001-2002

b. Director/coordonator de proiecte naționale

1. Soluții verzi pentru creșterea rezilienței și sustenabilității mediilor urbane, Proiecte de Cercetare Exploratorie, 2017-2019, 834425 lei
2. Servicii de evaluare a nivelului de informare și înțelegere al populației privind ariile naturale protejate: Râul Putna, Râpa Roșie - Dealu Morii, Rezervația Algheanu și Pârâul Bozu și evaluarea impactului campaniei de conștientizare, Asociația pentru Conservarea Diversității Biologice, 2017-2019, 57715 lei
3. Realizare de masuratori pentru Inventarul cadastral verde al municipiului Bacău, 2017, Integraph Computers Serviced, 68425 lei
4. Metode experimentale pentru evaluarea serviciilor ecosistemice ale lacurilor urbane in contextul schimbarilor climatice globale, PNIII-PED, 2017-2018 (director), 596500 lei
5. Metodologie pentru managementul și solutionarea conflictelor de mediu in siturile Natura 2000, PN II Resurse umane Tinere echipe, 2015-2017 (director), 523570 RON
6. Studiu privind ecosistemele urbane, ROSA-WWF-ANPM, 2016-2017 (director), 124620 lei

7. Studiu de fezabilitate Asigurarea managementului comun al riscurilor naturale și tehnogene în zona transfrontalieră România – Bulgaria, pentru planificarea durabila a teritoriului, Consiliul Județean Mehedinți, director de proiect, 2015, 37000 lei
8. Interacțiunea dinamică dintre componentele umane și naturale bazată pe sinergia factorilor ecologici și socio-economici în zonele cu urbanizare rapidă, PN II Parteneriate, 2012-2016 (responsabil al Universității din București), 700000 lei
9. Determinarea originii amoniului în zăcămintul de apă minerală Sacoșu Mare, județul Timiș, Societatea Națională a Apelor Minerale, 2014-2015, (director de proiect), 15000 lei
10. Elaborarea strategiei de vizitare necesare pentru accesarea de fonduri în vederea realizării unei infrastructuri de informare și vizitare a SPA0071 Lunca Siretului Inferior, Asociația pentru Conservarea Diversității Biologice, 2012-2014 (director de proiect), 110000 lei
11. Modelarea impactului asupra mediului generat de tipologiile de incompatibilitati functionale in asezarile umane, PN II Resurse umane Tinere echipe, 2011-2014 (director), 580000 RON
12. Managementul mediului în spațiile rezidențiale urbane în contextul schimbărilor climatice actuale, PN II Parteneriate, 2008-2011 (coordonator din partea Universității din București), 500000 RON
13. Organizarea și testarea unei rețele de monitorizare a insulelor de caldura și a efectelor lor în mediile urbane mari. Studiu de caz municipiul Bucuresti, grant Universitatea din Bucuresti, 2007-2008 (director), 27000 RON
14. Monitorizarea integrată a suprafețelor oxigenante urbane. Studiu de caz spațiile verzi, Beneficiar CNCSIS, Proiect At, 2007-2008 (director), 66500 RON
15. Evaluarea integrată a impactului factorilor antropici asupra calitatii apei din bazinul inferior al raului Argeș pentru reconstrucție ecologica, Programul CEEX, 2005-2008 (coordonator Universitatea din București), 197000 RON
16. Ariile metropolitane - între funcția de furnizor de resurse și servicii și cea de receptor al externalitatilor de mediu din mediu urban. Studiu de caz aria metropolitana a municipiul Bucuresti, Beneficiar CNCSIS, 2004-2006 (director), 20000 RON

c. Mentor

1. Integrating food provision in urban policies in the context of land use transformation and displacement, proiect de cercetare postdoctorală UEFISCDI (2020-2022), director Grădinaru Simona-Raluca
2. A systematic analysis on the social and landscape drivers of human wildlife coexistence, proiect de cercetare postdoctorală UEFISCDI (2020-2022), director Pop Ioan-Mihai
3. Methodology to evaluate the quality and the effectiveness of environmental planning, proiect de cercetare postdoctorală UEFISCDI (2018-2020), director Hossu Constantina Alina
4. Assessing the social equity of ecosystem services provided by urban green infrastructures, proiect de cercetare postdoctorală UEFISCDI (2018-2020), director Onose Diana-Andreea
5. Conceptualizing urbanization as driver of agricultural land abandonment, proiect de cercetare postdoctorală UEFISCDI (2018-2020), director Grădinaru Simona-Raluca

d. Colaborator la proiecte naționale

1. Satellite Images Analysis for Fire Monitoring, ROSA, 2012-2015, director Mihai Bogdan, 198000 lei
2. Metodologia evaluării integrate a calitatii mediului in spatiile rezidentiale din zonele metropolitane, PN – II Idei Proiecte de cercetare exploratorie, CNCSIS, 2008-2011, director Maria Pătroescu, 652770 RON
3. Educație civică pentru colectarea selectivă a deșeurilor în campusurile universitare, PN II – Parteneriate, 2008-2010 , director Maria Pătroescu, 135000 RON
4. Cuantificarea bioacumulării xenobioticilor in lanturi trofice apartinand zonelor umede, PN II – Parteneriate, director Marius Matache, 700000 RON
5. Evaluarea impactului indus de gestionarea durabila a deseurilor asupra starii de sanogeneza a mediului si a peisajelor. Studiu de caz zona metropolitana a municipiului Bucuresti, CNCSIS, 2007-2008, director Maria Pătroescu, 140000 RON
6. Soluții interdisciplinare convergente în amenajarea teritoriului și în structurarea sistemului de transport, orientate către dezvoltarea durabilă și creșterea calității vieții, Programul Ceex, 2005-2007, director Maria Pătroescu, 97500 RON
7. Echipament de supraveghere de la distanță a emisiilor industriale de aerosoli poluanți, Beneficiar Institutul Național de Optică și Electronică (Program MENER), 2004-2006, director Maria Pătroescu, 9500 RON
8. Diagnoza stării mediului pentru evaluarea calității apei, aerului și solului, Beneficiar ICIM București, Program MENER, 2002-2004, director Maria Pătroescu, 10500 RON
9. Procedee și norme privind protecția și revitalizarea zonelor fragile ecologic, Beneficiar: INCD Urbanproiect, 2001-2002, director Maria Pătroescu, 1200 RON
10. Structura și distribuția habitatelor în Parcul Natural Porțile de Fier, Beneficiar CNCSIS, 2001-2003, director Maria Pătroescu, 23500 RON
11. Medii și resurse în Regiunea de Dezvoltare Sud Vest (județele Dolj, Gorj, Olt, Mehedinți și Vâlcea), Beneficiar ICIM, 2000-2002, director Maria Pătroescu, 10500 RON
12. Amenajarea, protecția și gestiune spațiilor naturale și sensibile în sprijinul Capitalului Natural al României, Beneficiar ANSTI, 1999, 2000, director Maria Pătroescu, 5000 RON
13. Schimbări de mediu în regiunile montane. Comparație între Carpații Românești și Alpii Elveției, Beneficiar ANSTI, 1999, 2000, director Maria Pătroescu, 5000 RON
14. Dinamica peisajelor rurale din România. Studiu de caz: Câmpia Română, Beneficiar: C.N.C.S.U., 1998, director Maria Pătroescu, 1500 RON
15. Starea mediului în depresiunile intracarpatic, Beneficiar MCT, 1997-2000, director Maria Pătroescu, 2500 RON
16. Particularități fizico-chimice ale apei Dunării din acumularea Porțile de Fier I pe tronsonul Baziaș - Gura Bahna, Beneficiar: I.C.I.M. 1997-1998, director Maria Pătroescu, 1500 RON
17. Studiul geoecologic al văii Dunării românești, Beneficiar: C.N.C.S.U., 1997-1998, director Maria Pătroescu, 2500 RON
18. Calitatea și dinamica factorilor de mediu în spațiul montan al României, Beneficiar: MCT, 1997-1998, director Maria Pătroescu, 2500 RON
19. Cadrul natural și elementele de peisaj în județele Argeș și Prahova, Beneficiar MCT, 1997, director Maria Pătroescu, 2500 RON
20. Chimismul și calitatea apelor de suprafață ca urmare a interacțiunii societate umană-mediul natural. Studiu de caz: bazinul hidrografic al râului Ialomița, Beneficiar CNCSU, 1997, director Maria Pătroescu, 1500 RON

e. Proiecte de consultanță de mediu

1. Strategia de vizitare revizuită a ariilor protejate din aria proiectului (Parcul Național Ceahlău și ariile protejate din interiorul acestuia), Beneficiar: CCAT Solution Grup SRL
2. Strategia de vizitare revizuită a Parcului Natural Comana, Beneficiar: SC Omnia Development SRL
3. Compilare și elaborare Plan de management aferent ariilor naturale protejate ROSPA0012 Brațul Borcea, împreună cu ROSCI0319 Mlaștina de la Fetești, IV.34. Pădurea Canton Hățiș și ROSCI0278 Bordușani - Borcea (fără partea care se suprapune cu ROSPA0017 Canaralele de la Hârșova), în concordanță cu standardele și legislația în vigoare
4. Realizarea unui studiu privind serviciile ecosistemice din cele două situri suprapuse parțial: situl Natura 2000 ROSCI0088 Gura Vedei Saica Slobozia (fără suprafața care se suprapune cu ROSPA0108 Vedeia-Dunăre) și ROSPA0090 Ostrovu Lung-Goștinu; Realizarea unui studiu de evaluare a impactului antropic asupra sitului Natura 2000 ROSPA0124 Lacurile de pe Valea Ilfovului, inclusiv contribuții în vederea realizării bazei de date și a celor 33 de hărți în format GIS a presiunilor actuale și amenințărilor viitoare asupra speciilor de interes comunitar din situl Natura 2000 ROSPA0124 Lacurile de pe Valea Ilfovului, respectiv realizarea unui studiu privind serviciile ecosistemice din situl Natura 2000 ROSPA0124 Lacurile de pe Valea Ilfovului, Beneficiar: SC CCAT Solution Grup SRL
5. Servicii pentru elaborare plan de management în cadrul proiectului „Elaborarea planului de management pentru situl de importanță comunitară ROSCI0018 Căldările Zăbalei împreună cu aria naturală protejată 2810 Căldările Zăbalei - Zârna Mica-Răoaza” (2017-2020), Pro Biodiversitas SRL
6. Servicii de elaborarea și aprobarea Planului de management în cadrul proiectului „Planificarea managementului conservării biodiversității în aria naturală protejată ROSCI0030 Cheile Lapusului împreună cu aria naturală de interes național 2.583. Cheile Lapusului” (2018 - 2020), Omnia Development SRL
7. Servicii pentru elaborarea Planului de management în cadrul proiectului „Elaborarea planului de management integrat al siturilor Natura 2000 Munții Ciucului - ROSCI0323 și Depresiunea și Munții Ciucului - ROSPA0034” (2019 – 2021), Omnia Development SRL
8. Servicii privind elaborarea, avizarea și aprobarea Planului de Management în cadrul proiectului „Managementul adecvat în vederea conservării biodiversității din ariile naturale protejate ROSCI0023 Cascada Mișina și rezervația naturală 2818 Cascada Mișina” (2018 – 2020), Omnia Development SRL
9. Servicii privind elaborarea și aprobarea Planului de management integrat în cadrul proiectului „Planificarea managementului conservării biodiversității în ariile naturale protejate Natura 2000 ROSPA0112 Câmpia Gherghiței incluzând rezervația naturală B.6. Lacul Rodeanu” (2018 -2021), Omnia Development SRL
10. Servicii pentru elaborarea și aprobarea Planului de management integrat în cadrul proiectului „Planificarea managementului conservării biodiversității în siturile Natura 2000 ROSPA0016 Câmpia Nirului-Valea Ierii, ROSCI0020 Câmpia Careiului împreună cu ariile protejate 2.676 Pădurea Urziceni, 2.677 Dunele de nisip Foieni, 2.679 Mlaștina Vermeș și 2.182 Pășunea cu Corynephorus de la Voievozi și ROSCI0021 Câmpia Ierului împreună cu

- aria protejată 2.183 Complexul hidrografic Valea Rece” (2019 – 2021), Omnia Development SRL
11. Elaborare studii științifice, plan de management în cadrul proiectului Management pentru aria naturală protejată „Lacul Cuejdel” (august 2012-aprilie 2012), Multidimension SRL
 12. Servicii de studii științifice și revizuire plan de management în cadrul proiectului „Dezvoltarea managementului pentru Parcul Național Ceahlău” – inclusiv coordonarea experților pentru inventarierea și cartarea speciilor și habitatelor în vederea realizării planului de management (decembrie 2012-iunie 2013), Multidimension SRL
 13. Servicii de elaborare studii științifice, plan de management în cadrul proiectului Management pentru ariile naturale protejate „Lacul Pangarati și Lacul Vaduri” – inclusiv coordonarea experților pentru inventarierea și cartarea speciilor și habitatelor în vederea realizării planurilor de management (decembrie 2010- septembrie 2012) , Multidimension SRL
 14. Studii pentru elaborarea planului de management integrat al PNMM prin revizuirea și integrarea prescripțiilor de management pentru siturile Natura 2000 (SPA Macin-Niculitel și SCI-ul Munții Macinului) ce includ PNMM – inclusiv coordonarea experților pentru inventarierea și cartarea speciilor și habitatelor în vederea realizării planului de management (septembrie 2011-martie 2014), Multidimension SRL
 15. Servicii de elaborare studii științifice, plan de management și studii de teren în cadrul proiectului “Managementul eficient al Rezervației Naturale Izvorul de la Corbii Ciungi” (aprilie 2012-decembrie 2013), Multidimension SRL
 16. Dezvoltarea capacității Ministerului Mediului, Apelor și Pădurilor de a implementa politica în domeniul biodiversității – SIPOCA 22, Activitatea A3.1 Evaluarea stadiului de implementare a Strategiei Naționale pentru Conservarea Biodiversității 2014-2020, contract 27/SIPOCA 22/22.07.2016
 17. Dezvoltarea capacității Ministerului Mediului, Apelor și Pădurilor de a implementa politica în domeniul biodiversității – SIPOCA 22, A 3.2 – Revizuirea Strategiei Naționale pentru Conservarea Biodiversității 2014-2020, contract 72/SIPOCA 22/02.11.2016
 18. Dezvoltarea capacității Ministerului Mediului, Apelor și Pădurilor de a implementa politica în domeniul biodiversității – SIPOCA 22, A3.3. – Realizarea sistemului de monitorizare a implementării Strategiei Naționale pentru Conservarea Biodiversității 2014-2020, Institutul Național de Cercetări Economice Constantin C. Kiritescu, 2016-2017, contract 27/SIPOCA 82/09.02.2017
 19. Dezvoltarea capacității Ministerului Mediului, Apelor și Pădurilor de a implementa politica în domeniul biodiversității – SIPOCA 22, Evaluarea planurilor de management ale ariilor protejate, contract 26/18.03.2016
 20. Dezvoltarea capacității Ministerului Mediului, Apelor și Pădurilor de a implementa politica în domeniul biodiversității – SIPOCA 22, organizarea de cursuri de instruire referitor la modul de evaluare al planurilor de management ale ariilor naturale protejate și utilizarea Sistemelor Informaționale Geografice în acest sens
 21. Estimarea costurilor impuse de aplicarea măsurilor de conservare pentru habitate și specii de interes comunitar, conform cerințelor art. 8 din Directiva Habitate, cu accent pe habitatele și speciile prioritare (art. 8 alin. 3 din Directiva Habitate), pentru determinarea necesarului de finanțare al Rețelei Natura 2000, Ministerul Apelor și Protecției Mediului, 2012, contract 194/1.11.2012

22. Metodologie pentru managementul și soluționarea conflictelor de mediu în siturile Natura 2000, Programul Național pentru Cercetare, Dezvoltare și Inovare PN II, 2015-2017 (director)
23. N4D/MAES - Demonstrarea și promovarea valorilor naturale pentru a sprijini procesul decizional în România, Mecanismul Financiar 2009-2014 al Spațiului Economic European (SEE) în cadrul Programului RO02 – Biodiversitate și Servicii Ecosistemice, Agenția Națională pentru Protecția Mediului, WWF și ROSA, contract 22/2016

f. Planuri de amenajare a teritoriului și de urbanism

1. Planul Urbanistic Zonal al Portului Constanța – zona Midia - - Studiu de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2021
2. Planul Urbanistic Zonal al Portului Constanța – zona Constanța - Studiu de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2021
3. Actualizarea Planului Urbanistic General al municipiului Constanța, județul Constanța - Studii de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, spații verzi, 2021-2022.
4. Actualizarea Planului Urbanistic General al municipiului Brașov, județul Brașov - Studii de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2021-2022.
5. Actualizarea Planului Urbanistic General al municipiului Craiova, județul Dolj - Studiu de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2020.
6. Actualizarea Planului Urbanistic General al municipiului Călărași, județul Călărași - Studiu de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2021.
7. Actualizarea Planului Urbanistic General al comunei Snagov, județul Ilfov - Studiu de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2021.
8. Actualizarea Planului Urbanistic General al orașului Otopeni, județul Ilfov - Studiu de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2021.
9. Actualizarea Planului Urbanistic General al comunei Afumați, județul Ilfov - Studiu de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2021.
10. Actualizarea Planului Urbanistic General al comunei Mihail Kogălniceanu, județul Constanța - Studiu de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2022.
11. Actualizarea Planului Urbanistic General al orașului Eforie, județul Constanța - Studiu de fundamentare privind protecția mediului, riscuri naturale și antropice, impactul schimbărilor climatice, 2021.
12. Servicii pentru elaborare Studii de fundamentare pentru Plan de Amenajare a Teritoriului Județean Ilfov. Evoluția teritoriului și a localităților, Rețeaua de localități, zonificarea teritorială și fondul locativ, Cadrul natural, mediu, zone de risc, Zone protejate naturale și

- construite, potențialul turistic și balnear al județului, Echiparea tehnico-edilitară, Context supra teritorial, Structura socio-demografică, Structura activităților economice, 2019-2020
13. Planul de Amenajare a Teritoriului Zonal aferent Zonei Aglomerației Urbane și Zonei Metropolitane a Municipiului București. Componente ale strategiei de dezvoltare economică integrată, în condițiile protecției mediului. Organizarea «centurii verde - galbenă» a Capitalei și a Sistemului de Parcuri Regionale ale Zonei Metropolitane, Beneficiar: Intergraph Computers Services, 2008
 14. Planul de Amenajare a Teritoriului Zonal – zona aglomerației urbane și zona metropolitană ale municipiului București, actualizare și analiza situației existente, diagnoza, reglementări, model digital al terenului, plan de acțiune, programe prioritare - etapa a II-a, Beneficiar: Intergraph Computers Services, 2006
 15. Planul de Amenajare a Teritoriului Zonal – zona aglomerației urbane și zona metropolitană ale municipiului București, actualizare și analiza situației existente, diagnoza, reglementări, model digital al terenului, plan de acțiune, programe prioritare - etapa I, Beneficiar: Intergraph Computers Services, 2005
 16. Planul Urbanistic Zonal Penetrația Autostrăzii București-Constanța, Beneficiar: Metroul SA, București, 2005
 17. Planul Urbanistic Zonal Penetrația Autostrăzii București-Brașov, Beneficiar: Metroul SA, București, 2005
 18. Planul Urbanistic Zonal Închiderea inelului principal de circulație, Beneficiar: Metroul SA, București, 2005
 19. Planul Urbanistic Zonal Nodul intermodal Obor, Beneficiar: Metroul SA, București, 2005
 20. Planul Urbanistic Zonal Nodul intermodal Gara de Nord, Beneficiar: Metroul SA, București, 2005
 21. Planul Urbanistic Zonal Nodul intermodal Piața Sudului, Beneficiar: Metroul SA, București, 2005
 22. Planul Urbanistic Zonal Zona Lacului Văcărești, Beneficiar: Metroul SA, București, 2005
 23. Planul Urbanistic Zonal Parcul Herăstrău, Beneficiar: Universitatea de Arhitectură și Urbanism Ion Mincu București, București, 2001
 24. Planul Urbanistic Zonal Parcul Tineretului, Beneficiar: Universitatea de Arhitectură și Urbanism Ion Mincu București, București, 2001
 25. Planul Urbanistic Zonal Parcul Carol, Beneficiar: Universitatea de Arhitectură și Urbanism Ion Mincu București, București, 2003
 26. Planul Urbanistic Zonal Parcul Cișmigiu, Beneficiar: Universitatea de Arhitectură și Urbanism Ion Mincu București, București, 2003

g. Rapoarte de mediu realizate în vederea obținerii avizelor de mediu

1. Raport de mediu pentru Planul Urbanistic Zonal – Ansamblu rezidențial Șoseaua Cernica, tarla 56, oraș Pantelimon, SC ARHITEX SA, 2009
2. Raport de mediu pentru Planul Urbanistic Zonal – Centrul Civic – Social Cultural Sfânta Maria – Medias, S.C. ARTTEK C.B. S.R.L., 2008
3. Raport de mediu pentru Planul Urbanistic Zonal Ansamblu mixt în perimetrul Gheorghe Doja nr. 166, municipiul Ploiești, 2008
4. Raport de mediu pentru Planul Urbanistic Zonal Ansamblu de locuințe în perimetrul SC ROMCARBON SA SINAIA, 2006

h. Raport privind impactul asupra mediului

1. Raport privind impactul asupra mediului pentru proiect Demolarea abatorului din Str. Gheorghe Doja, 166, Ploiești, SC ARHITECKTONIK SA, 2008
2. Raport privind impactul asupra mediului pentru proiect Restructurarea și modernizarea activităților industriale de pe platforma INSPET Ploiești, SC ARHITECKTONIK SA, 2009
3. Raport privind impactul asupra mediului pentru proiect PUZ Parcul Carol, Universitatea de Arhitectură și Urbanism Ion Mincu București, 2006
4. Raport privind impactul asupra mediului pentru proiect PUZ Parcul Cișmigiu, Universitatea de Arhitectură și Urbanism Ion Mincu București, 2006
5. Raport privind impactul asupra mediului pentru proiect PUZ Parcul Herăstrău, Beneficiar: Institutul de Arhitectură Ion Mincu, 2004
6. Raport privind impactul asupra mediului pentru proiect PUZ Parcul Tineretului, Beneficiar: Institutul de Arhitectură Ion Mincu, 2004

hi Bilanțuri de mediu

1. Bilanț de mediu de nivel I la obiectivul Rampa de deșeuri menajere a municipiului Sfântu Gheorghe
2. Bilanț de mediu de nivel II la obiectivul Rampa de deșeuri menajere a municipiului Sfântu Gheorghe
3. Bilanț de mediu de nivel I la obiectivul Sistemul de epurare și canalizare a apelor reziduale al municipiului Sfântu Gheorghe
4. Bilanț de mediu de nivel II la obiectivul Sistemul de epurare și canalizare a apelor reziduale al municipiului Sfântu Gheorghe
5. Bilanț de mediu de nivel I la stația de epurare a apelor reziduale Brașov
6. Bilanț de mediu de nivel II la stația de epurare a apelor reziduale Brașov

F. PARTICIPARE LA COORDONARE ȘI ELABORARE DE STRATEGII ȘI DOCUMENTE STRATEGICE

1. Planul Național pentru Dezvoltare Durabilă 2030, **Beneficiar: Guvernul României**
2. Planul Național pentru Abordarea Căilor de Introducere Prioritara a Speciilor Alogene Invazive, **Beneficiar: Ministerul Mediului, Apelor și Pădurilor**
3. Planul de atenuare și adaptare la schimbări climatice al municipiului Câmpulung, **Beneficiar: Primăria municipiului Câmpulung**
4. Planul de atenuare și adaptare la schimbări climatice al municipiilor Sibiu și Mediaș, **Beneficiar: Consiliul Județean Sibiu**
5. Elaborarea Strategiei Integrate de Dezvoltare Urbană (SIDU) a municipiului București, planificarea și gestionarea investițiilor de capital – componenta de Mediu și Infrastructura Verde-Albastră, **Beneficiar: Banca Mondială și Primăria municipiului București**
6. Strategia Națională pentru Conservarea Biodiversității 2014-2020 – evaluarea stadiului de implementare, revizuire și realizarea sistemului de monitorizare – **Beneficiar Ministerul Mediului, Apelor și Pădurilor**

7. Cadrul de acțiune prioritară pentru estimarea costurilor impuse de aplicarea măsurilor de conservare pentru habitate și specii de interes comunitar, conform cere art. 8 din Directiva Habitatare, cu accent pe habitatele și speciile prioritare (art. 8 alin. 3 din Directiva Habitatare), pentru determinarea necesarului de finanțare al Rețelei Natura 2000 (2012, 2019) **Beneficiar Ministerul Mediului, Apelor și Pădurilor**
8. Planul Local de Acțiune pentru Mediu al municipiului București, 2008, 2018 - **Beneficiar Agenția pentru Protecția Mediului București**
9. Planul Regional de Acțiune al Regiunii București-Ilfov, 2004 **Beneficiar Agenția Regională pentru Protecția Mediului București-Ilfov**
10. Metodologie pentru managementul și soluționarea conflictelor de mediu în siturile Natura 2000 – **Beneficiar UEFISCDI, Ministerul Mediului, Apelor și Pădurilor**
11. Planuri de management pentru arii protejate (Parcul Natural Porțile de Fier, Parcul Natural Putna Vrancea, Parcul Național Ceahlău, rezervația naturală Lacul Cuejdel, ariile naturale protejate Lacul Pangarati și Lacul Vaduri, Planul de management integrat al zonei Măcin prin revizuirea și integrarea prescripțiilor de management pentru siturile Natura 2000 (SPA Macin-Niculitel și SCI-ul Munții Macinului, ROSPA0012 Brațul Borcea, împreună cu ROSCI0319 Mlaștina de la Fetești, IV.34. Pădurea Canton Hățiș și ROSCI0278 Bordușani - Borcea (fără partea care se suprapune cu ROSPA0017 Canaralele de la Hârșova, ROSCI0023 Cascada Mișina și rezervația naturală 2.818 Cascada Mișina, ROSPA0112 Câmpia Gherghitei, incluzând rezervația naturală B.6. Lacul Rodeanu, ROSCI0030 Cheile Lăpușului împreună cu aria naturală de interes național 2.583. Cheile Lăpușului) – **Beneficiar Administrațiile și custozii ariilor naturale protejate**

G. ALTE LUCRĂRI ȘI CONTRIBUȚII ȘTIINȚIFICE.

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b. Alte publicații

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c. Cursuri principale în calitate de cadru didactic, în Universitatea din București ori în alte instituții

1. Planificarea durabilă a mediului – Specializarea Geografie, Facultatea de Geografie
2. Evaluarea Strategică de Mediului – Masterul Politici de Mediu pentru Dezvoltare Durabilă, Facultatea de Geografie
3. Evaluarea multicriterială a mediului – Masterul Evaluarea integrată a stării mediului, Facultatea de Geografie

4. Metode de colectare a datelor de mediu – Masterul Evaluarea integrată a stării mediului, Facultatea de Geografie
5. Geografia mediului – Specializarea Geografia mediului, Facultatea de Geografie
6. Curs Managementul conflictelor de mediu în arii naturale protejate pentru Administrația Parcului Național Munții Măcinului (2021)
7. Cursuri pentru personalul instituțiilor din subordinea Ministerului Mediului pentru evaluarea planurilor de management ale ariilor protejate (2018)
8. Cursuri de instruire a personalului viitoarei Administrații a Parcului Natural Lunca Joasă a Prutului Inferior (2007, 2010)
9. Cursuri de instruire a rangerilor din ariile protejate din vestul județului Vrancea (2005)
10. Cursuri de instruire a autorităților locale privind aplicarea Convenției CITES pe teritoriul României (2005)
11. Cursuri de instruire a rangerilor din Parcul Natural Porțile de Fier (2004, 2020)
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CS I DR. DINCĂ VLAD-EUGEN

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