

LISTA DE LUCRĂRI
a cadrului didactic MITU LIVIU

C. Lucrări (articole) ISI / BDI publicate în perioada 2016 - 2025

C1. Articole în reviste cotate ISI Thomson Reuters

1. K. Karuppasamy, H.W. Rhee, P.A. Reddy, D. Gupta, L. Mitu, A.R. Polu, X.S. Shajan, „*Ionic liquid incorporated nanocomposite polymer electrolytes for rechargeable lithium ion*,, Journal of Industrial and Engineering Chemistry, Vol.40-august 2016, pag.168-176, 2016, Factor de Impact / 2015 = 4.179, 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
2. R. Rehman, B. Salariya, L. Mitu, „*Batch Scale Adsorptive Removal of Brilliant Green Dye Using Trapa Natans Peels in Cost*,, Revista de Chimie 67(7), pag. 1333-1337, 2016, Factor de Impact / 2015 = 0.95 , 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
3. I. Niamat, A.R. Tariq, M. Imran, F. Kanwal, L. Mitu, „*Stabilization of Sunflower Oil with extracts from Fenugreek, Mint and Liquorice*,, Bulgarian Chemical Communications Vol. 48(4) pag. 753-757, 2016, Factor de Impact /2015 = 0.229, 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
4. M.W. Mushtaq, M. Imran, S. Bashir, F. Kanwal, L. Mitu, „*Synthesis, Structural and Biological Studies of Cobalt Ferrite Nanoparticles*,, Bulgarian Chemical Communications 48(3), pag. 565-570, 2016, Factor de Impact /2015 = 0.229, 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
5. B. Annaraj, L. Mitu, M.A. Neelakantan, *Synthesis and crystal structure of imidazole containing amide as a turn on fluorescent*, Journal of Molecular Structure Vol.1104, (15 January 2016), pag.1-6, 2016, Factor de Impact /2015 = 1.78, 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
6. K. Karuppasamy, K. Prasanna, Dhanasekaran Vikraman, Hyun-Seok Kim, A. Kathalingam, Liviu Mitu, Hee Woo Rhee, *A Rapid One-Pot Synthesis of Novel High-Purity Methacrylic Phosphonic Acid (PA)-Based Polyhedral Oligomeric Silsesquioxane (POSS) Frameworks via Thiol-Ene Click Reaction*, Polymers, vol.9(6), Article number 192, doi: 10.3390/polym9060192, 2017, FI - 2016 = 3.364, 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
7. R. Rehman, T. Mahmud, R. Ejaz, A. Rauf, L. Mitu, *Sorptive removal of Direct Blue-15 dye from water using Camellia sinensis and Carica papaya leaves*, Bulgarian Chemical Communications, Volume 49, Number 1, (pp. 20 – 25) 2017, IF-2016 =0.238 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
8. Shahul Hameed Sukkur Saleem, Murugesan Sankarganesh, Paul Raj Adwin Jose, Karunganathan Sakthikumar, Liviu Mitu, Jeyaraj Dhavethu Raja, *Investigation of Antimicrobial, Antioxidant, and DNA Binding Studies of Bioactive Cu(II), Zn(II), Co(II), and Ni(II) Complexes of Pyrimidine Derivative Schiff Base Ligand*, Journal of Chemistry, Volume 2017, Article ID 3831507, 8 pages, 2017, <https://doi.org/10.1155/2017/383150> IF - 2016 = 0.238 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
9. S. Shobana, P. Subramaniam, J. Dharmaraja, S. Arvind Narayan, L. Mitu, *Stability studies on solution equilibria of Zn(II) pyrimidine nucleus bases*, Bulgarian Chemical Communications, Volume 49, Number 2 (pp. 347– 353) 2017, IF - 2016 =0.238 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
10. Misbah Tabassam, Amna Farooq, Muhammad Imran, Syeda Robina Gillani, Saima Saqib, Zaid Mehmood, Liviu Mitu, *REACTIVITY OF (η³-ALLYL)DICARBONYLNITROSYL IRON COMPLEXES WITH DIMETHYL MALONATE AND DIISOBUTYL MALONATE*, Bulletin of the Chemical Society of Ethiopia, vol. 31(2), pag. 299-312, 2017, IF - 2016 = 0.81 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
11. Seemon Packianathan, Ponnukalai Panya Utthra, Natarajan Raman, Liviu Mitu, *Mixed ligand N4O2 type metal(II) complexes as metalointercalators: Preliminary investigation of DNA-binding/cleavage and antimicrobial*, INORGANIC AND NANO-METAL CHEMISTRY, VOL. 47, NO. 8, pag. 1117–1128, 2017, IF -2016 = 0.48 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)

12. S. Rehman, S. Rasheed, M. Imran, A. Kanwal, F. Kanwal, I. Begum, L. Mitu, *Sunflower and soybean oil stabilized with natural extracts of turnip's peel*, Bulgarian Chemical Communications, Volume 49, Number 2, (pp. 493 – 498) 2017, IF -2016 =0.238 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
13. A. Firdos, A.R. Tariq, M. Imran, I. Niamat, F. Kanwal, L. Mitu, *Antioxidant potential of black pepper extract for the stabilization of sunflower oil*, Bulgarian Chemical Communications, Volume 49, Number 1, (pp. 31 – 33) 2017, FI-2016 = 0.238, 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
14. M. Vadivel, S. Shobana, S.A. Narayan, L. Mitu, J. Dhavethu Raja, M. Sankarganesh, *Optimization of process conditions and characterization of ethylene-propylene-diene rubber with bismaleimide*, Bulgarian Chemical Communications, Volume 49, Number 1, (pp. 26 – 30) 2017, IF-2016 = 0.238 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
15. P. Karthikeyan, Liviu Mitu, K. Pandian, G. Anbarasu, R. Rajavel, *Electrochemical Deposition of Zn-HNT/p(EDOT-co-EDOP) Nanocomposite Coating on LN SS for Anti-bacterial and Anticorrosive Application*, New Journal of Chemistry, vol.41(12) pag. 4758-4762, 2017, IF - 2016 = 3.269 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
16. R. Rehman, S. Alam, L. Mitu, *Diamond green dye adsorptive removal from water by carrot pulpy waste and potato peels*, Bulgarian Chemical Communications, Volume 49, Number 4, (pp. 816 – 822) 2017, IF - 2016 = 0.238 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
17. Ammavasi Gubendran, Mookkandi Palsamy Kesavan, Srinivasan Ayyanaar, Liviu Mitu, Periyakaruppan Athappan, Jegathalaprathaban Rajesh, *Non-enolisable Knoevenagel condensate appended Schiff bases-metal (II) complexes: Spectral characteristics, DNA-binding and nuclease activities*, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Vol. 181, (15 june 2017), pag. 39-46, 2017, FI - 2016 = 2.536, 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
18. SONIA RASHEED, MUHAMMAD IMRAN, SUMMIA REHMAN, AMNA FAROOQ, IMTIAZ BEGUM, FARAH KANWAL, LIVIU MITU, *Scavenging Activity of Grapefruit Peel and Seed Extract, a Natural Source of Antioxidant for the Stabilization of Soybean and Sunflower Oil*, Revista de Chimie, vol. 68(7), pag. 1466-1469, 2017, FI - 2016 = 1.232 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
19. Muhammad Liaqat, Tariq Mahmud, Muhammad Imran, Mazhar Iqbal, Muhammad Muddassar, Tauqeer Ahmad, Liviu Mitu, *Synthesis, Characterization and Biological Study of a New Mannich Base, 2-[(4-fluorophenyl)(phenylamino)methyl] cyclopentanone (FPC) and its Transition Metal Complexes with Cu(II), Ni(II), Co(II), Fe(II) and Zn(II)*, Revista de Chimie, vol. 68(11), pag. 2560-2565, 2017, FI - 2016 = 1.232, 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
20. Muhammad Liaqat, Tariq Mahmud, Muhammad Ashraf, Muhammad Muddassar, Muhammad Imran, Tauqeer Ahmad, Liviu Mitu, *Synthesis, Characterization and Biological Activities of a Novel Mannich Base 2-[(3,4-dimethoxyphenyl)(pyrrolidinyl) methyl]cyclohexanone and its Complexes with Cu(II), Ni(II), Co(II) and Fe(II) Ions*, Revista de Chimie, vol. 68(12), pag. 2845-2849, 2017, FI -2016 = 1.232, 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
21. M. Sankarganesh, J. Rajesh, G.G. Vinoth Kumar, M. Vadivel, L. Mitu, R. Senthil Kumar, J. Dhavethu Raja, *Synthesis, spectral characterization, theoretical, antimicrobial, DNA interaction and in vitro anticancer studies of Cu(II) and Zn(II) complexes with pyrimidinemorpholinebased Schiff base ligand*, Journal of Saudi Chemical Society, vol. 22(4), pag. 416-426, 2018 FI/2016 = 2.887 , 2018, (TC_7_2018_DSN)
22. Natarajan Raman, Thiravidamani Chandrasekar, | Ganesan Kumaravel, Liviu Mitu, *Synthesis of innovative biochemical active mixed ligand metal(II) complexes with thiazole containing Schiff base: In vitro antimicrobial profile*, Applied Organometallic Chemistry, 2018; vol. 32(1): e3922FI/2017 = 3.5, 2018, (TC_7_2018_DSN)
23. Rabia Rehman, Iqra Manzoor, Liviu Mitu, *Isothermal study of Congo Red dye biosorptive removal from water by solanum tuberosum and pisum sativum peels in economical way*, Bull. Chem. Soc. Ethiopia, Vol. 32(2), pag. 213-223, 2018 FI/2017 = 0.87 , 2018, (TC_7_2018_DSN)
24. Palanisamy Karthikeyan, Saravanan Sathishkumar, Kannaiyan Pandian, Liviu Mitu, Rangappan Rajavel, *Novel copper doped Halloysite Nano Tube/silver-poly(pyrrole-co-3,4- ethylenedioxythiophene) dual layer coatings on low nickel stainless steel for anti-corrosion applications*, Journal of Science: Advanced Materials and Devices vol. 3(1) pag. 59-67, 2018 ELSEVIER, FI/2017 = 0 , 2018, (TC_7_2018_DSN)
25. Ayesha Kanwal, Muhammad Imran, Zafar Iqbal, Summia Rehman, Zeeshan Danish, Nayab Batool, Liviu Mitu, *Synthesis and Structural Studies of Bismuth-piroxicam Complex*, REV. CHIM.(Bucharest), Vol. 69(7) pag. 1702-1705, 2018 FI/2017 = 1.412, 2018, (TC_7_2018_DSN)

26. S. Muthupoongodi, T. Linda, X. Sahaya Shajan, Liviu Mitu, S. Balakumar, *Polymer-supported catalyst for effective degradation of organic dyes: 100 % recovery of catalyst stability and reusability*, Polymer Bulletin, Vol. 75(5) pp. 1867–1893, 2018, SPRINGER, FI/2017 = 1.589, 2018, (TC_7_2018_DSN)
27. Amna Farooq, Muhammad Imran, Zafar Iqbal, Tanveer Hussain Bokhari, Shoomaila Latif, Ayesha Farooq, Muhammad Liaqat, Liviu Mitu, *SYNTHESIS, STRUCTURAL AND PHOTO-PHYSICAL STUDIES OF TRANSITION METAL COMPLEXES WITH MANNICH BASES DERIVED FROM 2-MERCAPTOBENZIMIDAZOLE*, Bull. Chem. Soc. Ethiop. vol. 32(3), pag. 481-490, 2018 / ISI / , 2018, (TC_7_2018_DSN)
28. Manickam Chozhanathmisra, Dharman Govindaraj, Palanisamy Karthikeyan, Kannaiyan Pandian, Liviu Mitu, Rangappan Rajavel, *Fabrication of Bilayer Coating of Poly (3,4-ethylenedioxythiophene)-Halloysite/Chitosan and Mg²⁺/Sr²⁺-Doped HAP on Titanium Alloy for Biomedical Implant Applications: Physicochemical and In Vitro Biological Performances Studies*, Hindawi Journal of Chemistry Volume 2018, Article ID 9813827, 12 pages, / ISI / , 2018, (TC_7_2018_DSN)
29. S. MUTHUPOONGODI, LIVIU MITU, T. LINDA, X. SAHAYA SHAJAN, S. BALAKUMAR, *Facile Recoverable, Reusable and Efficient Heterogeneous Photocatalyst*, REV. CHIM. (Bucharest), vol. 69(10) 2662 - 2668, 2018 / ISI / , 2018, (TC_7_2018_DSN)
30. KARUNGANATHAN SAKTHIKUMAR, MURUGESAN SANKARGANESH, JEYARAJ DHAVEETHU RAJA, LIVIU MITU, *Water Soluble Mixed Ligand Complexes Spectral, antioxidant, antimicrobial and DNA interaction studies*, Revista de Chimie, vol. 69(11) 4069 - 4077, 2018, / ISI / , 2018, (TC_7_2018_DSN)
31. Faiza Arshad, Summia Rehman, Muhammad Imran, Saima Saqib, Ayesha Kanwal, Nayab Batool, Liviu Mitu, *ANTIOXIDANT POTENTIAL OF APPLE'S PEEL EXTRACT AND ITS EFFICIENCY IN STABILIZATION OF SUNFLOWER OIL*, ROMANIAN AGRICULTURAL RESEARCH, vol. 35, 249 - 254, 2018 / ISI / , 2018, (TC_5_2018_DSN)
32. Syeda Shahzadi Batool, Syeda Rubina Gilani, Muhammad Nawaz Tahir, William T. A. Harrison, Liviu Mitu and Sania Mazharr, *Synthesis and structural features of copper(II) complexes of N,N,N',N'-tetramethylethylenediamine with 2-chlorobenzoate¹⁻ and 2-hydroxybenzoate¹⁻*, JOURNAL OF COORDINATION CHEMISTRY Volum/număr revistă: 71(16-18) Paginile: 1-15 Luna și anul publicării: 10.2018 ISSN (eISSN) revistă: 0095-8972, 2018, (TC_7_2018_DSN)
33. Mathan Kumar Shanmugaiah | Kesavan Mokkandi Palsamy | Ravi Lokesh | Indra Gandhi N. | Liviu Mitu | Rajesh Jegathalaprathaban | Rajagopal Gurusamy, *Ternary Copper (II) complex based chemical probes for DNA targeting: Cytotoxic activity under visible light*, Applied Organometallic Chemistry, vol. 33(3) e4762, 2019, Factor de Impact/2017 = 3.581, 2019, (TC_10_2019_DSN)
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35. A. Gulzar, T. Mahmud, M. Imran, L. Mitu, R. Munir, K. Iftikhar, *Synthesis, characterization and biological activities of a Schiff base derived from 2-[(1,3- benzothiazol-2-yl)sulfanyl]-N-[4-(hydrazinecarbonyl)phenyl]acetamide and its complexes with Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) ions*, Revista de Chimie, vol. 70(2) 596-601, 2019, Factor de Impact/2017 = 1.412, 2019, (TC_10_2019_DSN)
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38. T.S.R. Umamageswari, D. Sarala Thambavani, Mitu Liviu, *Hydrogeochemical processes in the ground water environment of Batlagundu block, Dindigul district, Tamil Nadu: conventional graphical and multivariate statistical approach*, Applied Water Science, vol. 9(1) 15 pag., 2019, (TC_10_2019_DSN)
39. Manickam Chozhanathmisra, Kannaiyan Pandian, Dharman Govindaraj, Palanisamy Karthikeyan, Liviu Mitu, Rangappan Rajavel, *Halloysite Nanotube-Reinforced Ion-Incorporated Hydroxyapatite-Chitosan Composite Coating on Ti-6Al-4V Alloy for Implant Application*, Journal of Chemistry, vol. 2019, Article ID 7472058, 12 pages, 2019, Factor de Impact/2017 = 1.726, 2019, (TC_10_2019_DSN)

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41. Azees Khan Haleel, Ummer Muhammed Rafi, Dharmasivam Mahendiran, Liviu Mitu, Vijaykumar Veena, Aziz Kalilur Rahiman, *DNA profiling and in vitro cytotoxicity studies of tetrazolo[1,5-a]pyrimidine-based copper(II) complexes*, BIOMETALS, vol. 32(4), August 2019, pp. 611–626, 2019, Factor de Impact/2018 = 2.455, 2019, (TC_10_2019_DSN)
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