

Lista de Lucrări:**a) Teza de Doctorat:**

Universitatea București,
Facultatea de Chimie,

„Combinatii complexe cu liganzi heterociclici conținând azot,,

Doctorand: **Mitu Liviu**
Conducător științific: Prof.univ.dr. Angela Kriza

București, 2008.

b) Brevete de invenție:

„2,3-DISUBSTITUTED-1,4-NAPHTHOQUINONE DERIVATIVE AND PROCESS FOR PREPARING THE SAME,,

Patent Number: **RO127869-A2**

Inventor(s): PISOSCHI C. G.; SBIRNA L. S.; SBIRNA S.; CIOLAN F.;
MITU L.; PISOSCHI L.; BANITA I. M.; MURESAN N.

Derwent Primary Accession Number: 2012-P88005 [26]

International Patent Classification: A61K-031/122

Derwent Class Code(s): B05 (Other organics - aromatics, aliphatic, organo-metallics.)

Derwent Manual Code(s): B10-A06; B11-B; B12-M11H2; B14-H01

Patent Details:

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
RO127869-A2	30 Oct 2012	A61K-031/122	201326		Romanian

Application Details:

RO127869-A2	RO001323	10 Dec 2010
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Priority Application Information and Date:

RO001323	10 Dec 2010
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c) Cărți și capitole în cărți:**Cărți de specialitate publicate în edituri recunoscute:**

„COMBINAȚII COMPLEXE CU LIGANZI IZONICOTINOILHIDRAZONĂ,,
/ Liviu Mitu, Natarajan Raman /, Editura Universității din Pitești, Pitești, **2015**, 138 pag.,
ISBN: 978-606-560-422-3.

„TEXT BOOK OF FORENSIC CHEMISTRY,, / Syed Aftab Iqbal, Liviu Mitu /,
Discovery Publishing House PVT. LTD., New Delhi-110002, **2011**, 310 pag., India,
ISBN: 978-81-8356-838-8.

Cărți didactice:

- „**CHIMIA NEMETALELOR.** / Liviu Mitu / Curs pentru studenții anului II Chimie, Editura Universității din Pitești, Pitești. **2013**, 158 pag., ISBN: 978-606-560-341-7.
- „**Lucrări practice de Chimia Metalelor.** / D. Sotiriu, L. Mitu /, Pitești, 1995.
- „**Lucrări practice de Chimia Nemetaalelor.** / I. Popa, L. Mitu /, Pitești, 1996.
- „**Analiza volumetrică.** - (Lucrări practice), / L. Mitu /, Pitești, 1996.
- „**CATALIZĂ.** - (Lucrări practice), / M. Dinu, L. Mitu /, Pitești, 1998.

d) Articole/studii in extenso publicate în reviste din fluxul științific internațional principal:

Lucrări publicate în reviste cotate „ISI”-(Web of Science - Clarivate);

1. *Combinatii complexe ale unor metale tranzitionale „d” cu ligandul izonicotinoilhidrazon-2-hidroxi-1-naftaldehid*
Kriza A., **Mitu L.**, Stănică N.
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/WOS: 000227519300007/
2. *Synthesis and characterization of complexes of Mn(II), Co(II), Ni(II) and Cu(II) with an aroylhydrazone ligand*
Mitu L., Kriza A.
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/WOS: 000242775700094/
3. *Synthesis and characterization of Cu(II), Ni(II), Co(II), Mn(II), Zn(II), Cd(II) complexes of isonicotinoylhydrazon-1-methyl-2-aldehydepyrrole*
Mitu L., Kriza A., Dianu M.
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4. *Studies on the complexes of Cu(II), Ni(II), Co(II), Mn(II), Zn(II), Cd(II) with the isonicotinoylhydrazon-3-aldehydeindole*
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5. *Synthesis, characterization and antimicrobial activity of Cu(II), Ni(II), Co(II), Zn(II) complexes with isonicotinoylhydrazon-4-benzyloxybenzaldehyde*
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9. *Novel metal-based pharmacologically dynamic agents of transition metal(II) complexes: Designing, synthesis, structural elucidation, DNA binding and photo-induced DNA cleavage activity*
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/WOS: 000274773700015/
10. *Template synthesis, characterization and biological activity of Cu(II), Ni(II), Co(II), Zn(II) complexes with isonicotinoylhydrazon-2-aldehyde-fluorene ligand*
Mitu L., Mohamed Farook N.A., Iqbal S.A., Raman N., Imran M., Sharma S.K.
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11. *Synthesis, Characterization and „in vitro„ Antibacterial Studies of Ternary Complexes using Quinolone Antibiotics as Primary Ligand*
M. Imran, T. Kokab, S. Latif, L. Mitu, Z. Mahmood
Journal of the Chemical Society of Pakistan, 32(2) 223-228, 2010,
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Journal of Coordination Chemistry, 63(9) 1629-1644, 2010,
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13. *Evaluation of physico-chemical characteristics of soil samples collected from Harrapa-Sahiwal (Pakistan)*
Imran M., Khan A.U.H., Aziz U.H., Kanwal F., Mitu L., Amir M., Iqbal M.A.
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16. *Novel, biologically imperative, highly versatile and planar systems: Synthesis, characterization, electrochemical behavior, DNA binding and cleavage properties of substituted β -diketimine copper(II) and zinc(II) complexes with dipyrrodo(3,2- α :2',3'-c) phenazine ligand*
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A. Verma, S.A. Iqbal, A. Singh, **L. Mitu**
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18. *Adsorption Studies of Flourescein on Roots, Stem and Leaves of „Phoenix dactylifera..*
R. Yunis, M. Imran, **L. Mitu**, F. Kanwal
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E. Soleimani, **L. Mitu**
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20. *Template Synthesis, Characterization and Antimicrobial Activity of the Complex Combinations of some Transitional Metals with Isonicotinoylhydrazone-2,4,6-Trimethylbenzaldehyde*
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Journal of the Chemical Society of Pakistan, 33(2) 249-254, 2011,
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E. Soleimani, **L. Mitu**
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22. *Complexation and biological behaviour of some first row transition metals with Schiff base derived from 5-acetamido-1,3,4-thiadiazole-2-sulphonamide*
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23. *Transition Metal Complexes of Isonicotinoylhydrazone-4-Diphenylaminobenzaldehyde: Synthesis, Characterization and Antimicrobial Studies*
L. Mitu*, M. Iliş, N. Raman, M. Imran, S. Ravichandran
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24. *Removal of Chromium(III) using synthetic Polymers, Copolymers and their Sulfonated derivatives as adsorbents*
F. Kanwal, M. Imran, **L. Mitu***, Z. Rashid, H. Razzaq, Q. Ain
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/WOS: 000302159300017/
25. *Synthesis, structural elucidation, DNA interaction and biological evaluation and molecular docking of an isatin derived tyramine bidentate Schiff base and its metal complexes*
N. Raman, S. Sobha, **L. Mitu**
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27. *Design, synthesis, DNA binding ability, chemical nuclease activity and antimicrobial evaluation of Cu(II), Co(II), Ni(II) and Zn(II) metal complexes containing tridentate Schiff base*
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28. *Metal based pharmacologically active agents: Synthesis, structural elucidation, DNA interaction, in vitro antimicrobial and in vitro cytotoxic screening of Copper(II) and Zinc(II) complexes derived from amino acid based pyrazolone*
N. Raman, R. Jeyamurugan, S. Sudharsan, K. Karuppasamy, **L. Mitu**
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29. *DNA interaction studies of pyrazolone and diimine incorporated Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) complexes: Synthesis, spectroscopic characterization and antimicrobial study*
A. Sakthivel, N. Raman, **L. Mitu**
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31. *Effect of DNA interaction involving antioxidative 4-aminoantipyrine incorporating mixed ligand complexes having alpha-amino acid as co-ligand*
N. Raman, A. Sakthivel, M. Selvaganapathy, **L. Mitu**
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34. *Synthesis, characterization, biological evaluation and docking studies of macrocyclic binuclear manganese(II) complexes containing 3,5-dinitrobenzoyl pendant arms*
P. Arthi, S. Shobana, P. Srinivasan, **L. Mitu**, A. Kalilur Rahiman
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R. Antony, S. Theodore David Manickam, Ganesh Sanjeev, **L. Mitu**, S. Balakumar
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37. *Synthesis, characterization and adsorption studies of sulfonated poly(styrene)*
Muqaddas Saleem, Farah Kanwal, Muhammad Imran, **Liviu Mitu**
J.Chem.Soc.Pakistan, 37(6) 1130-1134, 2015, Factor de Impact/2017 = **0.28**
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38. *Synthesis and crystal structure of imidazole containing amide as a turn on fluorescent probe for nickel ion in aqueous media: An experimental and theoretical investigation*
B. Annaraj, **L. Mitu**, M.A. Neelakantan
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39. *Batch Scale Adsorptive Removal of Brilliant Green Dye Using Trapa Natans Peels in Cost Effective Manner*
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40. *Ionic liquid incorporated nanocomposite polymer electrolytes for rechargeable lithium ion battery: A way to achieve improved electrochemical and interfacial properties*
K. Karuppasamy, H.W. Rhee, P.A. Reddy, D. Gupta, **L. Mitu**, A.R. Polu, X.S. Shajan
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41. *Synthesis, Structural and Biological Studies of Cobalt Ferrite Nanoparticles*
M.W. Mushtaq, M. Imran, S. Bashir, F. Kanwal, **L. Mitu**
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42. *Stabilization of Sunflower Oil with extracts from Fenugreek, Mint and Liquorice*
I. Niamat, A.R. Tariq, M. Imran, F. Kanwal, **L. Mitu**
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S. Shobana, P. Subramaniam, J. Dharmaraja, S. Arvind Narayan, **L. Mitu**
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A. Firdos, A.R. Tariq, M. Imran, I. Niamat, F. Kanwal, **L. Mitu**
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45. *Sorptive Removal of Direct Blue-15 Dye From Water Using Camellia Sinensis and Carica Papaya Leaves*
R.Ejaz, R.Rehman, A.Rauf, T.Mahmud, **L.Mitu***
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46. *Optimization of process conditions and characterization of ethylene-propylene-diene rubber with bismaleimide*
M. Vadivel, S.Shobana, S.A. Narayan, **L. Mitu**
Bulgarian Chemical Communications, 49(1) 26-30, 2017, Factor de Impact/2017 = **0.242**
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47. *Sunflower and Soybean oil stabilized with natural extracts of turnip's peel*
S. Rehman, S. Rasheed, M. Imran, A. Kanwal, F. Kanwal, I. Begum, **L. Mitu***
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/WOS: 000404947100027/
48. *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)*
Muhammad Liaqat, Tariq Mahmud, Muhammad Imran, Mazhar Iqbal, Muhammad Muddassar, Tauqeer Ahmad, **Liviu Mitu***
Revista de Chimie, 68(11) 2560-2565, 2017, Factor de Impact/2017 = **1.412**
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49. *Mixed ligand N4O2 type metal(II) complexes as metalointercalators: Preliminary investigation of DNA binding/cleavage and antimicrobial efficacy*
Packianathan, S., Utthra, PP., Raman, N., **Mitu, L.**
Inorganic and Nano-Metal Chemistry, 47(8) 1117-1128, 2017,
Factor de Impact/2017 = **0.631**
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50. *Non-enolisable Knoevenagel condensate appended Schiff bases-metal(II) complexes: Spectral characteristics, DNA-binding and nuclease activities*
Ammavasi Gubendran, Mookkandi Palsamy Kesavan, Srinivasan Ayyanaar, **Liviu Mitu**,
Periyakaruppan Athappan, Jegathalaprathaban Rajesh
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,
Vol. 181 (15 june 2017) 39-46, 2017, Factor de Impact/2017 = **2.88**
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51. *Scavenging activity of grapefruit peel and seed extract, a natural source of antioxidant for the stabilization of soybean and sunflower oil*
Sonia Rasheed, Muhammad Imran, Summia Rehman, Amna Farooq, Imtiaz Begum, Farah Kanwal, **Liviu Mitu***
Revista de Chimie, 68(7) 1466-1469, 2017, Factor de Impact/2017 = **1.412**
/WOS: 000409234600012/
52. *Electrochemical Deposition of Zn-HNT/p(EDOT-co-EDOP) Nanocomposite Coating on LN SS for Anti-bacterial and Anticorrosive Application*
P. Karthikeyan, **Liviu Mitu**, K. Pandian, G. Anbarasu, R. Rajavel
New Journal of Chemistry, 41(12) 4758-4762, 2017, DOI: 10.1039/C6NJ03927H
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53. *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*
 Muhammad Liaqat, Tariq Mahmud, Muhammad Ashraf, Muhammad Muddassar, Muhammad Imran, Tauqeer Ahmad, **Liviu Mitu***
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 /WOS: 000423261900024/
54. *A rapid one pot synthesis of high purity novel methacrylic phosphonic acid (PA) based polyhedral oligomeric silsesquioxane (POSS) frameworks by thiol-ene click reaction*
 K. Karuppasamy, K. Prasanna, Dhanasekaran Vikraman, Hyun Seok Kim, A. Kathalingam, **Liviu Mitu**, Hee Woo Rhee
Polymers, 9(6) 2017, Article number: 192, doi: 10.3390/polym9060192, 2017, Factor de Impact/2017 = **2.935**
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55. *Reactivity of (H3-Allyl)Dicarbonylnitrosyl Iron Complexes with Dimethyl Malonate and Diisobutyl Malonate*
 Misbah Tabassam, Amna Farooq, Muhammad Imran, Syeda Robina Gillani, Saima Saqib, Zaid Mehmood, **Liviu Mitu***
Bulletin of the Chemical Society of Ethiopia, 31(2) 299-312, 2017, Factor de Impact/2017 = **0.872**
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56. *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*
 Saleem, SHS., Sankarganesh, M., Jose, PRA., Sakthikumar, K., **Mitu, L.***, Raja, JD.
Journal of Chemistry, Article Number: 3831507, DOI:10.1155/2017/3831507, Published: 2017, Factor de Impact/2017 = **1.726**
 /WOS: 000416302300001/
57. *Diamond Green Dye Adsorptive Elimination From Water By Carrot Pulpy Waste And Potato Peels*
 Rabia Rehman, Sadia Alam, **Liviu Mitu***
Bulgarian Chemical Communications, 49(4) 816-822, 2017, Factor de Impact/2017 = **0.242**
 /WOS: 000418297200009/
58. *Synthesis of innovative biochemical active mixed ligand metal(II) complexes with thiazole containing-Schiff base: in vitro antimicrobial profile*
 Raman, N., Chandrasekar, T., Kumaravel, G., **Mitu, L.**
Applied Organometallic Chemistry, 32(1), 2018, e3922, Factor de Impact/2018 = 3.259
 /WOS: 000418447500030/ (AIS - 2018 = Q2 - Chemistry Applied; Q2 - Chem.Inorg.Nuclear)
59. *Polymer supported catalyst for effective degradation of organic dyes: 100 % recovery of catalyst stability and reusability*
 S. Muthupoongodi, T. Linda, X.S. Shajan, **L. Mitu**, S. Balakumar
Polymer Bulletin, 75(5) 1867-1893, 2018, Factor de Impact/2018 = **1.858**
 /WOS: 000430472000006/ (AIS - 2018 = Q3 - Polymer Science)
60. *Synthesis and structural studies of Bismuth-piroxicam complex*
 Ayesha Kanwal, Muhammad Imran, Zafar Iqbal, Summia Rehman, Zeeshan Danish, Nayab Batool, **Liviu Mitu***
Revista de Chimie, 69(7) 1702-1705, 2018, Factor de Impact/2018 = **1.605**
 /WOS: 000444595700021/
61. *Synthesis, spectral characterization, theoretical, antimicrobial, DNA interaction and in vitro anticancer studies of Cu(II) and Zn(II) complexes with pyrimidinemorpholine based Schiff base ligand*
 M. Sankarganesh, J. Rajesh, G.G. Vinoth Kumar, M. Vadivel, **L. Mitu***, R. Senthil Kumar, J. Dhaweethu Raja*
Journal of Saudi Chemical Society, 22(4) 416-426, 2018, Factor de Impact/2018 = **2.759**
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62. *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*
Karthikeyan, P., Sathishkumar, S., Pandian, K., **Mitu, L.***, Rajavel, R.
Journal of Science: Advanced Materials and Devices, 3(1) 59-67, March 2018, 2018,
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Rehman, R., Manzoor, I., **Mitu, L.***
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S. Muthupoongodi, **L. Mitu***, T. Linda, X. Sahaya Shajan, S. Balakumar
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K. Sakthikumar, M. Sankarganesh, J. Dhaweethu Raja, **L. Mitu***
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R. Rehman, F. Kanwal, **L. Mitu***
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A. Farooq, M. Imran, Z. Iqbal, T.H. Bokhari, S. Latif, A. Farooq M. Liaqat, **L. Mitu***
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M. Sankarganesh, N. Revathi, J. Dhavethu Raja, K. Sakthikumar, G.G.V. Kumar, J. Rajesh, M. Rajalakshmi, **L. Mitu***
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M. Yousaf, M. Imran, Z. Zulfiqar, S. Latif, T.H. Bokhari, F. Izhar, S. Rehman, **L. Mitu***, T. Yousaf
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 Asad Gulzar, **Liviu Mitu***
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 F. Izhar, M. Imran, T.H. Bokhari, M. Yousaf, S. Javed, S. Rehman, S. Latif, Z. Zulfiqar,
L. Mitu*
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 /WOS: /
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 /WOS: /
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 /WOS: /
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 /WOS: /

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Revista de Chimie, 71(2), 218-229, 2020,
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/WOS: /
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Rabia Rehman, Asma Raza, **Liviu Mitu***
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Amara Dar, Rabia Rehman, Parsa Dar, Ayesha Kausar, Saba Noreen, **Liviu Mitu***
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Revista de Chimie, 71(4), 47-58, 2020,
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/WOS: /
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Summia Rehman, Muhammad Imran, Ayesha Kanwal, Shoomaila Latif, Fiza Akbar, **Liviu Mitu***
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/WOS: /
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Shoomaila Latif, Rabia Rehman, Muhammad Imran, Muhammad Sadiq Hussain, Shahid Iqbal, **Liviu Mitu***
Revista de Chimie, 71(5), 182-192, 2020,
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/WOS: /

95. *Biosorptive Detoxification of Cosmos Red Dye by Raphanus Sativus Leaves and Citrus sinensis Peels from Water in Cost Effective and Ecofriendly Way*
 Rabia Rehman, Maryam Qaseem, **Liviu Mitu***
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 /WOS: /
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<https://doi.org/10.1080/07391102.2020.1801508>, Factor de Impact/2021 = **5.235**
 /WOS: 000559853900001/
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 Sumaira Basharat, Rabia Rehman, Tariq Mahmud, Sara Basharat, **Liviu Mitu***
Journal of Chemistry, vol. 2020, Article ID: 8862167, 18 pages, 2020, 16 Dec.2020,
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 Gurusamy Sankararaj Senthilkumar, Murugesan Sankarganesh, Jeyraj Dhaweethu Raja, Arumugam Sakthivel, Rajadurai Vijay Solomon, **Liviu Mitu**
Monatshefte für Chemie - Chemical Monthly, vol. 152(2), 251-261, 2021,
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 /WOS: 000615567700001/
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 Sumaira Basharat, Rabia Rehman, **Liviu Mitu***
Journal of Chemistry, Article ID: 6636181, Special Issue – 2021 (Trends in Dye Removal from Aqueous Systems), 2021, June 2021, Factor de Impact/2021 = **3.241**
 /WOS: 000640312400001/
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 Mubbara Mushtaq, Shoomaila Latif, Muhammad Imran, Ayesha Javaid, **Liviu Mitu***
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 /WOS: 000637282000006/
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 Shamaila Iram, Tamkanat Khurshid, Shoomaila Latif, Muhammad Imran, Farah Kanwal, **Liviu Mitu***
Bulletin of the Chemical Society of Ethiopia, vol. 35(1), 119-128, 2021,
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 /WOS: 000648477500010/
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 Sajid Iqbal, Tanveer Hussain Bokhari, Shoomaila Latif, Muhammad Imran, Ayesha Javaid, **Liviu Mitu***
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 Factor de Impact/2021 = **3.241**
 /WOS: 000669045600001/

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Shoomaila Latif, Shamaila Iram, Muhammad Imran, Farah Kanwal, Zafar Iqbal, Aisha Batool, **Liviu Mitu***
Water, Air, & Soil Pollution, vol. 232(6), 14 pages, 2021,
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/WOS: 000763173100001/
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Mehwish Aftab, Noreen Mazhar, Muhammad Tariq Shah, Mansoor Akhtar, Madeeha Batool, Tariq Mahmud*, Muhammad Asim Raza Basra, Gabriel Bratu, **Liviu Mitu***
Bulletin of the Chemical Society of Ethiopia, vol. 36(1), april 2022, 45-56, 2022,
Factor de Impact/2022 = **1.2**
/WOS: 000810241500005/
105. *Use of Green Chemistry for Amputation of Chromium Ions from Wastewater by Alkali-Treated Composts of Fruit Peels in Economical Way*
Shoomaila Latif, Rabia Rehman*, Muhammad Imran, Uzma Hira, Shahid Iqbal, Mehwish Akram, **Liviu Mitu***, Reem Alsantali, Zahrah T. Al-thagafi
Journal of Chemistry, vol. 2022, Article ID: 9924164, 14 pages, 2022, August 2022,
Factor de Impact/2022 = **3.0**
/WOS: 000865431100004/
106. *Synthesis, Characterization, and Photocatalytic Activity of Mixed-Ligand Cerium(III) and Bismuth(III) Complexes*
Shoomaila Latif, Maimoona Saeed, Muhammad Imran*, Ayesha Javaid, Uzma Hira, **Liviu Mitu***
Journal of Chemistry, vol. 2022, Article ID: 6849793, 12 pages, 2022, Oct. 2022,
Factor de Impact/2022 = **3.0**
/WOS: 000868593000004/
107. *Study of Antimicrobial Potency of Synthesized Cellulose-Based Nanocomposite Films Incorporating Bi-Fe-Sn Trimetallic Microcrystalline Using Terminalia arjuna Leaf Extract for Packaging and Medicinal Applications*
Amara Dar, Rabia Rehman*, Nimrah Jamil, Ghufrana Samin, Muhammad Muzammil Jahangir, Zahrah T. Al-thagaf, Reem Alsantali, Maha E. Al-Hazemi, **Liviu Mitu***
Journal of Chemistry, vol. 2023, Article ID: 6122583, 10 pages, 2023, June 2023;
Factor de Impact/2023 = 2.8; AIS – Q2 in 2023/aparut in 2024.
/WOS: 001015970600002/
108. *Photocatalytic and Biological Activities of Spherical Shape Cellulose/Silver Nanocomposites Using Xenostegia tridentata(L.) Leaf Extract*
Shanmugam Chinnadurai, Sathishkumar Saravanan, Sridevi Chinnathambi, Sivakumar Sivalingam, Govindhan Poongavanam, Sivasubramanian Ganarajan, Baskaran Krishnan, Parthasarathi Bera, Parameswaran Veembil Ramachandra Iyer, **Liviu Mitu***
Journal of Chemistry, vol. 2023, Article ID: 1783423, 20 pages, 2023, July 2023,
Q2 - Impact Factor / AIS – Q2 in 2023/aparut in 2024.
Factor de Impact/2023 = **2.8**;
/WOS: 001041612400001/

109. *Fabrication and testing of edible films incorporated with ZnO nanoparticles to enhance the shelf life of bread*
 Farhat Yasmeen, Hina Karamat, Rabia Rehman, Mehwish Akram, Ayman A. Ghfar, Heba Taha M. Abdelghani, Amara Darf, **Liviu Mitu**
Food Bioscience, vol. 56 (2023), 103111, 2023, December 2023.
 Q1 - Impact Factor / Q2 - (FOOD SCIENCE & TECHNOLOGY - SCIE),
 AIS (Article Influence Score) JCR 2022 din 28 iunie 2023, Factor de Impact/2023 = **4.8**
 /WOS: 001087125500001/
110. *Nano-materials for targeted drug delivery through skin to treat various diseases: recent trends and future perspective*
 Nazish Mumtaz, Muhammad Imran*, Ayesha Javaid, Shoomaila Latif, Nazim Hussain, Muhammad Bilal, **Liviu Mitu***
Journal of Chemistry, vol. 2023, Article ID: 3861758, 21 pages, 2023, Oct. 2023,
 Q2 - Impact Factor / AIS – Q2 in 2023/aparut in 2024..
 Factor de Impact/2023 = **2.8**;
 /WOS: 001093510500001/ (Review Article);
111. *Pharmaceutical manifestation of Knoevenagel condensed metal(II) complexes through virtual, in vitro and in vivo assessments*
 Samuel Michael, Porkodi Jeyaraman, Bhuvaneswari Marimuthu, Rajasekar Rajamanikam, Radha Thanasamy, Karuppiah Arunsunai Kumar, **Liviu Mitu**, Natarajan Raman
Journal of Biomolecular Structure and Dynamics, On-line 08.01.2024;
 vol. 42(??) 2022, 2022: Factor de Impact/2022 =
 Q1 - (BIOPHYSICS - SCIE), Impact Factor / Q3 - (BIOPHYSICS - SCIE),
 AIS (Article Influence Score), JCR 2022 din 28 iunie 2023; (AIS-2022 = Q);
 /WOS: 001138775700001/ <https://doi.org/10.1080/07391102.2023.2301059>;
112. *Oxycams as bioactive ligand system in coordination complexes and their biological applications*
 Muhammad Naeem, Adnan Ashraf*, Muhammad Imran*, Waseeq Ahmad Siddiqui, Gulzar Muhammad, Aimon Saleem, Umer Younas, Faisal Ali, Muhammad Asam Raza, **Liviu Mitu***
Comments on Inorganic Chemistry, Published online: 15 Feb. 2024;
 vol. 44(??) 2024, 2024;
 Factor de Impact/2023 = 3.8; AIS - Q? in 2024/aparut in 2025.
 Q1 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), Impact Factor/
 Q1 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), AIS (Article Influence Score),
 JCR 2023 din 28 iunie 2024;
 /WOS: 001162950100001/ (Review Article);
113. *Basic Red 46 adsorption studies onto pyrolyzed by-product biomass*
 A.Y. Sahnoun, A. Selatnia, L. Mitu, R. Ayeche, N. Daoudi, Y. Dahoun- Tchoulak
Applied Water Science, vol. 14(6), Article: 111, 2024.
 Q1 - (WATER RESOURCES - SCIE), AIS (Article Influence Score),
 JCR 2023 din 28 iunie 2024; Accepted for publication in 04.03.2024; on-line 05.05.2024.
 FI-2023 = **5.7**;
 /WOS: 001214238400003/
114. *Isothermal and Kinetic investigation of sorption efficacy of Titania and Bentonite nanocomposite for Brilliant Green Dye removal for wastewater treatment*
 Rabia Rehman, Qurrat-Ul-Aein-Khan, Farhat Yasmeen, Amara Dar, Mehwish Akram, Zahrah T. Al-thagafi, **Liviu Mitu**
Journal of Dispersion Science and Technology
 vol. ??(??) 2024, 2024: FI-2023 = **1.9**;
 Q4 - (CHEMISTRY, PHYSICAL - SCIE), AIS (Article Influence Score),
 JCR 2023 din 28 iunie 2024; on-line 01.04.2024 /
 /WOS: 001195113500001/

115. *Direct and mediator-based Z-scheme heterojunctions involving Bi₂MoO₆ for abatement of dyes and pharmaceuticals*
 Muhammad Asim Raza, Muhammad Imran*, Ayesha Javaid, Shoomaila Latif, **Liviu Mitu***
Comments on Inorganic Chemistry, Published online: 30 May 2024;
 vol. 44(??) 2024, 2024;
 Factor de Impact/2023 = **3.8**; AIS - Q? in 2024/aparut in 2025.
 Q1 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), Impact Factor/
 Q1 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), AIS (Article Influence Score),
 JCR 2023 din 28 iunie 2024;
 /WOS: 001236031500001/ (Review Article);
116. *Process modeling of Direct Red-28 dye Eradication by biopolymeric composite of Polyaniline with Mango leafy biowaste material*
 Rabia Rehman*, Farhat Yasmeen, Fadama M. Abdoon, Amara Dar, Mehwish Akram,
 Fadi Alakhras, **Liviu Mitu**, Zahrah T. Al-thagafi
Journal of Dispersion Science and Technology
 vol. ??(??) 2024, 2024; FI-2023 = **1.9**;
 Q4 - (CHEMISTRY, PHYSICAL - SCIE), AIS (Article Influence Score),
 JCR 2023 din 28 iunie 2024; on-line 08.07.2024/
 /WOS: 001265474500001/
117. *Recent advances in catalytic reduction of CO₂ through Bismuth based MOFs*
 Rabia Zafar, Ayesha Javaid, Muhammad Imran*, Shoomaila Latif, Muhammad Naeem Khan,
Liviu Mitu*, Romică Crețu
Journal of Saudi Chemical Society, vol. 28(6) 2024, FI-2023 = **5.9**;
 Q? - AIS - in 2024/aparut in 2025;
 Q2 - AIS (CHEMISTRY, MULTIDISCIPLINARY - SCIE), iunie 2024;
 /WOS: 001313604700001/ (Review Article);
118. *Phytofiltration of Rhodamine-B dye using microwave assisted- tartaric acid treated Trapa natans peels from waste water by biosorption*
 Bajwa, Asfa; Rehman, Rabia; Ayub, Sibgha; Malik, Muhammad Raza; Ansar, Sabah;
Mitu, Liviu; Alakhras, Fadi
Clean Technologies and Environmental Policy
 vol. ??(??) – , 2024, 2024; FI-2023 = 4.2;
 Q3 – AIS (ENGINEERING, ENVIRONMENTAL - SCIE), iunie 2024;
 Q3 – AIS (.....);
 Q3 – AIS (.....);
 /WOS: 001322080700001/ DOI:10.1007/s10098-024-02996-8
119. *Exploring chemically processed Symplocos racemosa sustainable material feasibility for sorptive amputation of Methylene Blue Dye from waste-water by green technology*
 Muhammad Rashid, Rabia Rehman, Mehwish Akram, Ayman A. Ghfar, **Liviu Mitu**
Biomass Conversion and Biorefinery
 vol. ??(??) – , 2024, 2024; IF-2023 = **3.5**; Accepted for publication in 30.09.2024;
 Q3 – AIS (ENERGY & FUELS); Q2 – AIS (ENGINEERING, CHEMICAL), iunie 2024;
 /WOS: / <https://doi.org/10.1007/s13399-024-06219-4>
120. *Fabrication of Fuel cell involving bismuth-based components for efficient and cost-effective strategies*
 Q. Mushtaq, Z. Saddique, A. Javaid, S. Latif, M. Imran*, **L. Mitu***
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 Factor de Impact/2023 = **3.8**; AIS - Q? in 202?/aparut in 202?;
 Q1 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), Impact Factor/
 Q1 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), AIS (Article Influence Score).
 JCR 2023 din 28 iunie 2024;
<https://doi.org/10.1080/02603594.2024.2417272>
 /WOS: 001349347500001/ (Review Article);