

LISTA DE LUCRĂRI**a) Lista cu maximum 10 Lucrări relevante:**

1. *Template synthesis, characterization and antimicrobial activity of some new complexes with isonicotinoylhydrazone ligands*
Mitu L.^{*}, Raman N., Kriza A., Stănică N., Dianu M.
Journal of the Serbian Chemical Society, 74(10) 1075-1084, 2009,
Factor de Impact/2017 = **0.797**
/WOS: 000270746600006/
2. *Template synthesis, characterization and biological activity of Cu(II),Ni(II),Co(II),Zn(II) complexes with isonicotinoylhydrazone-2-aldehyde-fluorene ligand*
Mitu L.^{*}, Mohamed Farook N.A., Iqbal S.A., Raman N., Imran M., Sharma S.K.
E-Journal of Chemistry, 7(1) 227-233, 2010, Factor de Impact/2017 = **1.726**
/WOS: 000276160600034/
3. *Antibacterial Co(II),Ni(II),Cu(II) and Zn(II) complexes with biacetyl-derived Schiff bases*
Imran M., **Mitu L.**^{*}, Latif S., Mahmood Z., Naimat I., Zaman S.S., Fatima S.
Journal of the Serbian Chemical Society, 75(8) 1075-1084, 2010,
Factor de Impact/2017 = **0.797**
/WOS: 000281683900006/
4. *Synthesis, Characterisation, Spectral and Microbial Studies of Transition Metal Complexes of the Drug Secnidazole*
A. Verma, S.A. Iqbal, A. Singh, **L. Mitu**
E-Journal of Chemistry, 7(S1) S520-S526, 2010, Factor de Impact/2017 = **1.726**
/WOS: 000286972200072/
5. *Template Synthesis, Characterization and Antimicrobial Activity of the Complex Combinations of some Transitional Metals with Isonicotinoylhydrazone-2,4,6-Trimethylbenzaldehyde*
L. Mitu^{*}, M. Iliș, F. Dumitrașcu, S. Șerban, M. Imran, S.A. Iqbal, N. Raman, M. Ancu
Journal of the Chemical Society of Pakistan, 33(2) 249-254, 2011,
Factor de Impact/2017 = **0.28**
/WOS: 000292229800020/
6. *Complexation and biological behaviour of some first row transition metals with Schiff base derived from 5-acetamido-1,3,4-thiadiazole-2-sulphonamide*
S. Malik, S. Ghosh, **L. Mitu**^{*}
Journal of the Serbian Chemical Society, 76(10) 1387-1394, 2011,
Factor de Impact/2017 = **0.797**
/WOS: 000296821000006/
7. *Transition Metal Complexes of Isonicotinoylhydrazone-4-Diphenylaminobenzaldehyde: Synthesis, Characterization and Antimicrobial Studies*
L. Mitu^{*}, M. Iliș, N. Raman, M. Imran, S. Ravichandran
E-Journal of Chemistry, 9(1) 365-372, 2012, Factor de Impact/2017 = **1.726**
/WOS: 000299841500054/
8. *3d-Metal complexes derived from proton pump Inhibitors-Synthesis, Characterization and Biological studies*
S. Malik, S. Das, A. Singh, **L. Mitu**^{*}
E-Journal of Chemistry, 9(4) 1919-1928, 2012, Factor de Impact/2017 = **1.726**
/WOS: 000303776600030/

9. *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., Sakhikumar, 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/
10. *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. Dhaveethu Raja
Journal of Saudi Chemical Society, 22(4) 416-426, 2018, Factor de Impact/2017 = **2.456**
/WOS: 000432496800004/

b) 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.

c) Brevete de inventie:

„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
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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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d) 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 Nemetaleslor**„, / I. Popa, L. Mitu /, Pitești, 1996.

„**Analiza volumetrică**„, - (Lucrări practice), / L. Mitu /, Pitești, 1996.

„**CATALIZĂ**„, - (Lucrări practice), / M. Dinu, L. Mitu /, Pitești, 1998.

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

Lucrări publicate în reviste cotate „ISI”-Web (categoria „A”):

1. *Combinatii complexe ale unor metale tranzitionale „d” cu ligandul izonicotinoilhidrazon-2-hidroxi-1-naftaldehid*
Kriza A., **Mitu L.**, Stănică N.
Revista de Chimie, 56(2) 137-140, 2005, Factor de Impact/2017 = **1.412**
/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.
Asian Journal of Chemistry, 19(1) 658-664, 2007, Factor de Impact/2008 = **0.268**
/WOS: 000242775700094/
3. *Synthesis and characterization of Cu(II),Ni(II),Co(II),Mn(II),Zn(II),Cd(II) complexes of isonicotinoylhydrazone-1-methyl-2-aldehydepyrrole*
Mitu L.*, Kriza A., Dianu M.
Asian Journal of Chemistry, 19(7) 5666-5674, 2007, Factor de Impact/2008 = **0.268**
/WOS: 000251463500094/
4. *Studies on the complexes of Cu(II),Ni(II),Co(II),Mn(II),Zn(II),Cd(II) with the isonicotinoylhydrazone-3-aldehydeindole*
Mitu L.*, Kriza A., Dianu M.
Asian Journal of Chemistry, 20(2) 1627-1632, 2008, Factor de Impact/2008 = **0.268**
/WOS: 000259602200114/
5. *Synthesis, characterization and antimicrobial activity of Cu(II),Ni(II),Co(II),Zn(II) complexes with isonicotinoylhydrazone-4-benzyloxybenzaldehyde*
Mitu L.*, Raman N., Kriza A., Stanica N., Dianu M.
Asian Journal of Chemistry, 21(7) 5749-5756, 2009, Factor de Impact/2009 = **0.213**
/WOS: 000269018200110/

6. *Mixed Complex Combinations with a New Schiff Base used as Membranes Ion-Selective for Copper and Nickel Ions; Analytical Applications*
L. Mitu*, C. Tigae, C. Spînu, M. Pleniceanu
Journal of the Chemical Society of Pakistan, 31(5) 744-749, 2009,
 Factor de Impact/2017 = **0.28**
 /WOS: 0002711790100007/
7. *Template synthesis, characterization and antimicrobial activity of some new complexes with isonicotinoylhydrazone ligands*
Mitu L.*, Raman N., Kriza A., Stănică N., Dianu M.
Journal of the Serbian Chemical Society, 74(10) 1075-1084, 2009,
 Factor de Impact/2017 = **0.797**
 /WOS: 000270746600006/
8. *Studies on DNA cleavage and antimicrobial screening of transition metal complexes of 4-aminoantipyrine derivatives of N₂O₂ type*
 Raman N., **Mitu L.**, Sakthivel A., Pandi M.S.S.
Journal of the Iranian Chemical Society, 6(4) 738-748, 2009,
 Factor de Impact/2017 = **1.593**
 /WOS: 000271906800010/
9. *Novel metal-based pharmacologically dynamic agents of transition metal(II) complexes: Designing, synthesis, structural elucidation, DNA binding and photo-induced DNA cleavage activity*
 Raman N., Jeyamurugan R., Sakthivel A., **Mitu L.**
Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy,
 75(1) 88-97, 2010, Factor de Impact/2017 = **2.88**
 /WOS: 000274773700015/
10. *Template synthesis, characterization and biological activity of Cu(II),Ni(II),Co(II),Zn(II) complexes with isonicotinoylhydrazone-2-aldehyde-fluorene ligand*
Mitu L.*, Mohamed Farook N.A., Iqbal S.A., Raman N., Imran M., Sharma S.K.
E-Journal of Chemistry, 7(1) 227-233, 2010, Factor de Impact/2017 = **1.726**
 /WOS: 000276160600034/
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,
 Factor de Impact/2017 = **0.28**
 /WOS: 000277670300016/
12. *Synthesis, characterization, DNA binding, oxidative damage of DNA strand scission and antimicrobial activities of β-diketone condensed Schiff-base transition metal complexes*
 Raman N., Jeyamurugan R., Rani R.U., Baskaran T., **Mitu L.**
Journal of Coordination Chemistry, 63(9) 1629-1644, 2010,
 Factor de Impact/2017 = **1.703**
 /WOS: 000278162400017/
13. *Evaluation of physico-chemical characteristics of soil samples collected from Harrapa-Sahawal (Pakistan)*
 Imran M., Khan A.U.H., Aziz U.H., Kanwal F., **Mitu L.**, Amir M., Iqbal M.A.
Asian Journal of Chemistry, 22(6) 4823-4830, 2010, Factor de Impact/2010 = **0.247**
 /WOS: 000279844700094/
14. *Synthesis, characterization and spectroscopic studies of pyrazinamide metal complexes*
 Budhani P., Iqbal S.A., Bhattacharya S.M.M., **Mitu L.**
Journal of Saudi Chemical Society, 14(3) 281-285, 2010,
 Factor de Impact/2017 = **2.456**
 /WOS: 000280931000007/

15. *Antibacterial Co(II), Ni(II), Cu(II) and Zn(II) complexes with biacetyl-derived Schiff bases*
Imran M., **Mitu L.**^{*}, Latif S., Mahmood Z., Naimat I., Zaman S.S., Fatima S.
Journal of the Serbian Chemical Society, 75(8) 1075-1084, 2010,
Factor de Impact/2017 = **0.797**
/WOS: 000281683900006/
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 dipyrido(3,2-a:2'3',-c) phenazine ligand*
Raman N., Jeyamurugan R., Raj Kapoor B., **Mitu L.**
Journal of the Iranian Chemical Society, 7(4) 917-933, 2010,
Factor de Impact/2017 = **1.593**
/WOS: 000284654600018/
17. *Synthesis, Characterisation, Spectral and Microbial Studies of Transition Metal Complexes of the Drug Secnidazole*
A. Verma, S.A. Iqbal, A. Singh, **L. Mitu**
E-Journal of Chemistry, 7(S1) S520-S526, 2010, Factor de Impact/2017 = **1.726**
/WOS: 000286972200072/
18. *Adsorption Studies of Fluorescein on Roots, Stem and Leaves of „Phoenix dactylifera.,*
R. Yunis, M. Imran, **L. Mitu**, F. Kanwal
Asian Journal of Chemistry, 23(1) 345-350, 2011, Factor de Impact/2011 = **0.266**
/WOS: 000285267300081/
19. *Synthesis and Characterization of Iron(III) Complex derived from Benzilmonoxime*
E. Soleimani, **L. Mitu**
Asian Journal of Chemistry, 23(4) 1557-1560, 2011, Factor de Impact/2011 = **0.266**
/WOS: 000288465100031/
20. *Template Synthesis, Characterization and Antimicrobial Activity of the Complex Combinations of some Transitional Metals with Isonicotinoylhydrazone-2,4,6-Trimethylbenzaldehyde*
L. Mitu^{*}, M. Iliş, F. Dumitraşcu, S. Şerban, M. Imran, S.A. Iqbal, N. Raman, M. Ancu
Journal of the Chemical Society of Pakistan, 33(2) 249-254, 2011,
Factor de Impact/2017 = **0.28**
/WOS: 000292229800020/
21. *Synthesis and Crystal Structure of TeBr₂I Br*
E. Soleimani, **L. Mitu**
Asian Journal of Chemistry, 23(6) 2776-2778, 2011, Factor de Impact/2011 = **0.266**
/WOS: 000293193000094/
22. *Complexation and biological behaviour of some first row transition metals with Schiff base derived from 5-acetamido-1,3,4-thiadiazole-2-sulphonamide*
S. Malik, S. Ghosh, **L. Mitu**^{*}
Journal of the Serbian Chemical Society, 76(10) 1387-1394, 2011,
Factor de Impact/2017 = **0.797**
/WOS: 000296821000006/
23. *Transition Metal Complexes of Isonicotinoylhydrazone-4-Diphenylaminobenzaldehyde: Synthesis, Characterization and Antimicrobial Studies*
L. Mitu^{*}, M. Iliş, N. Raman, M. Imran, S. Ravichandran
E-Journal of Chemistry, 9(1) 365-372, 2012, Factor de Impact/2017 = **1.726**
/WOS: 000299841500054/
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
E-Journal of Chemistry, 9(2) 621-630, 2012, Factor de Impact/2017 = **1.726**
/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**
Monatshefte fur Chemie - Chemical Monthly, 143(7) 1019-1030, 2012,
Factor de Impact/2017 = **1.285**
/WOS: 000305559000006/
26. *3d-Metal complexes derived from proton pump Inhibitors-Synthesis, Characterization and Biological studies*
S. Malik, S. Das, A. Singh, **L. Mitu***
E-Journal of Chemistry, 9(4) 1919-1928, 2012, Factor de Impact/2017 = **1.726**
/WOS: 000303776600030/
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*
N. Raman, S. Sobha, **L. Mitu**
Journal of Saudi Chemical Society, 17(2) 151-159, 2013, Factor de Impact/2017 = **2.456**
/WOS: 000316793700002/
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**
Arabian Journal of Chemistry, 6(2) 235-247, 2013, Factor de Impact/2017 = **2.969**
/WOS: 000316713300012/
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**
Monatshefte fur Chemie - Chemical Monthly, 144(5) 605-620, 2013,
Factor de Impact/2017 = **1.285**
/DOI: 10.1007/s00706-012-0857-7/
30. *Kinetics and Mechanism of the Oxidation of 4-Oxo-4-arylbutanoic Acids by N-bromophthalimide in Aqueous Acetic Acid Medium*
N.A. Mohamed Farook, N.M.I. Alhaji, A.M. Uduman Mohideen, G.A. Seyed Dameen,
L. Mitu, M. Abshana Begam
Journal of Solution Chemistry, 42(6) 1183-1193, 2013, Factor de Impact/2017 = **1.401**
/WOS: 000321283800005/
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**
Journal of Molecular Structure, Vol.1060 (24 February 2014) 63-74, 2014,
Factor de Impact/2017 = **2.011**
/WOS: 000331688000011/
32. *Bio-sensitive activities of coordination compounds containing 1, 10-phenanthroline as co-ligand: Synthesis, structural elucidation and DNA binding properties of metal(II) complexes*
N. Raman, R. Mahalakshmi, **L. Mitu**
Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy,
Vol.131 (15 October 2014), 355-364, 2014, Factor de Impact/2017 = **2.88**
/WOS: 000338810400047/

33. *Synthesis, structural elucidation, biological, antioxidant and nuclease activities of some 5-Fluorouracil-amino acid mixed ligand complexes*
S. Shobana, P. Subramaniam, **L. Mitu**, J. Dharmaraja, S. Arvindnarayan
Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy,
Vol.134 (5 January 2015), 333–344, 2015, Factor de Impact/2017 = **2.88**
/WOS: 000342718700044/
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
Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy,
Vol.143 (15 May 2015), 49–58, 2015, Factor de Impact/2017 = **2.88**
/WOS: 000352661200006/
35. *Changes in spectrochemical and catalytic properties of biopolymer I anchored Cu(II) and Ni(II) catalysts by electron beam irradiation*
R. Antony, S. Theodore David Manickam, Ganesh Sanjeev, **L. Mitu**, S. Balakumar
Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy,
Vol.149 (5 October 2015), 550-557, 2015, Factor de Impact/2017 = **2.88**
/WOS: 000360255200070/
36. *Synthesis, structural characterization, in-vitro antibiogram assay and efficient catalytic activities of transition metal(II) chelates incorporating (E)-(2-((2-hydroxybenzylidene)amino)phenyl)(phenyl)methanone ligand*
Vellaichamy Muniyandi, Narayanaperumal Pravin, **Liviu Mitu**, Natarajan Raman
Journal of Molecular Structure, Vol. 1086 (15 April 2015), 56-63, 2015,
Factor de Impact/2017 = **2.011**
/WOS: 000350518400008/
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**
/WOS: 000368261200007/
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
Journal of Molecular Structure, Vol.1104 (15 January 2016), 1-6, 2016,
Factor de Impact/2017 = **2.011**
/WOS: 000365063700001/
39. *Batch Scale Adsorptive Removal of Brilliant Green Dye Using Trapa Natans Peels in Cost Effective Manner*
R. Rehman, B. Salaria, **L. Mitu***
Revista de Chimie, 67(7) 1333-1337, 2016, Factor de Impact/2017 = **1.412**
/WOS: 000385513000021/
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
Journal of Industrial and Engineering Chemistry, Vol.40-august 2016, 168-176, 2016,
Factor de Impact/2017 = **4.841**
/WOS: 000381834800021/
41. *Synthesis, Structural and Biological Studies of Cobalt Ferrite Nanoparticles*
M.W. Mushtaq, M. Imran, S. Bashir, F. Kanwal, **L. Mitu***
Bulgarian Chemical Communications, 48(3) 565-570, 2016, Factor de Impact/2017 = **0.242**
/WOS: 000384785800032/

42. *Stabilization of Sunflower Oil with extracts from Fenugreek, Mint and Liquorice*
I. Niamat, A.R. Tariq, M. Imran, F. Kanwal, **L. Mitu***
Bulgarian Chemical Communications, 48(4) 753-757, 2016, Factor de Impact/2017 = **0.242**
/WOS: 000392359600026/
43. *Stability studies on solution equilibria of Zn(II) pyrimidine nucleo bases*
S. Shobana, P. Subramaniam, J. Dharmaraja, S. Arvind Narayan, **L. Mitu***
Bulgarian Chemical Communications, 49(2) 347-353, 2017, Factor de Impact/2017 = **0.242**
/WOS: 000404947100007/
44. *Antioxidant potential of Black Pepper extract for the stabilization of sunflower oil*
A. Firdos, A.R. Tariq, M. Imran, I. Niamat, F. Kanwal, **L. Mitu***
Bulgarian Chemical Communications, 49(1) 31-33, 2017, Factor de Impact/2017 = **0.242**
/WOS: 000401034100008/
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***
Bulgarian Chemical Communications, 49(1) 20-25, 2017, Factor de Impact/2017 = **0.242**
/WOS: 000401034100006/
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**
/WOS: 000401034100007/
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***
Bulgarian Chemical Communications, 49(2) 493-498, 2017, Factor de Impact/2017 = **0.242**
/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**
/WOS: 000416751800019/
49. *Mixed ligand N4O2 type metal(II) complexes as metallointercalators: 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**
/WOS: 000401847100001/
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**
/WOS: 000401391700007/
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
 Factor de Impact/2017 = **3.201**
 /WOS: 000403340100007/
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*
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