Fisa de indeplinire a standardelor minimale si obligatorii privind conferirea atestatului de abilitare

Candidat Conf. Dr. MITU N. Liviu

Standarde minimale_ANEXA_4_Chimie_Abilitare
OM 6129/2016

Categorie	Standarde impuse	Standarde realizate	
N_{max}(*)	50	50	Îndeplinit
FIC(**)	100	159.98	Îndeplinit
FIC_D(***)	70	159.98	Îndeplinit
FIC_{AP}(****)	50	76.19	Îndeplinit
FIC_{AC}(*****)	25	76.19	Îndeplinit
*h*_index	13	20	Îndeplinit

(*) N_{max} – primele maxim N lucrări, organizate în ordinea descrescătoare a factorilor de impact ai revistelor în care au fost publicate;
(**) **FIC** – factorul de impact cumulat minimal al revistelor în care s-au publicat lucrările în cauză;
(***) **FIC_D** - factorul de impact cumulat minimal din publicații în domeniile de cercetare declarate;
(****) **FIC_{AP}** - factorul de impact cumulat minimal din publicații în calitate de autor principal (prim-autor și autor de corespondență);
(*****) **FIC_{AC}** - factorul de impact cumulat minimal din publicații în calitate de autor de corespondență.

Domeniul principal: Combinații complexe (Chimie coordinativă)
Domenii secundare: Chimia materialelor

(FI-2023)

Nr.	Lucrarea publicată	FIC	FIC$_D$	FIC$_{AP}$	FIC$_{AC}$
1.	*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**, vol. 3(1), 59-67, March 2018, 2018; /WOS: 000437216000007/ https://doi.org/10.1016/j.jsamd.2017.12.003	6.7	6.7	6.7	6.7
2.	*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; /WOS: 000381834800021/ https://doi.org/10.1016/j.jiec.2016.06.020	5.9	5.9	—	—
3.	*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**, vol. 14(3), 281-285, 2010; /WOS: 000280931000007/ https://doi.org/10.1016/j.jscs.2010.02.009	5.9	5.9	—	—
4.	*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**, vol. 17(2), 151-159, 2013; /WOS: 000316793700002/ https://doi.org/10.1016/j.jscs.2011.03.003	5.9	5.9	—	—
5.	*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**, vol. 22(4), 416-426, 2018; /WOS: 000432496800004/ https://doi.org/10.1016/j.jscs.2017.08.007	5.9	5.9	5.9	5.9

6.	*Recent advances in catalytic reduction of CO_2 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; /WOS: 001313604700001/ https://doi.org/10.1016/j.jscs.2024.101926	5.9	5.9	5.9	5.9
7.	*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**, vol. 6(2), 235-247, 2013;/WOS: 000316713300012/ https://doi.org/10.1016/j.arabjc.2012.04.010	5.3	5.3	___	___
8.	*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, D. Vikraman, H.S. Kim, A. Kathalingam, **L. Mitu**, H.W. Rhee **Polymers**, vol. 9(6), 2017; Article number: 192; /WOS: 000404218500008/ https://doi.org/10.3390/polym9060192	4.7	4.7	___	___
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**, vol. 75(1), 88-97, 2010; /WOS: 000274773700015/ https://doi.org/10.1016/j.saa.2009.09.047	4.3	4.3	___	___
10.	*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; /WOS: 000338810400047/ https://doi.org/10.1016/j.saa.2014.04.114	4.3	4.3	___	___
11.	*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; /WOS: 000342718700044/ https://doi.org/10.1016/j.saa.2014.06.093	4.3	4.3	___	___

12.	*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.K. Rahiman **Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy**, vol. 143 (15 May 2015), 49–58, 2015; /WOS: 000352661200006/ https://doi.org/10.1016/j.saa.2015.01.122	4.3	4.3	___	___
13.	*Changes in spectrochemical and catalytic properties of biopolymer anchored Cu(II) and Ni(II) catalysts by electron beam irradiation* R. Antony, S.T.D. Manickam, G. Sanjeev, **L. Mitu**, S. Balakumar **Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy**, vol. 149 (5 October 2015), 550-557, 2015; /WOS: 000360255200070/ https://doi.org/10.1016/j.saa.2015.04.006	4.3	4.3	___	___
14.	*Non-enolisable Knoevenagel condensate appended Schiff bases-metal(II) complexes: Spectral characteristics, DNA-binding and nuclease activities* A. Gubendran, M.P. Kesavan, S. Ayyanaar, **L. Mitu**, P. Athappan, J. Rajesh **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, vol. 181 (15 june 2017), 39-46, 2017; /WOS: 000401391700007/ https://doi.org/10.1016/j.saa.2017.03.031	4.3	4.3	___	___
15.	*DNA profiling and in vitro cytotoxicity studies of tetrazolo[1,5-a]pyrimidine-based copper(II) complexes* A.K. Haleel, U.M. Rafi, D. Mahendiran, **L. Mitu**, V. Veena, A.K. Rahiman **BIOMETALS**, vol. 32(4), August 2019, 611–626, 2019; /WOS: 000476715000004/ https://doi.org/10.1007/s10534-019-00196-2	4.1	4.1	___	___
16.	*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 (24February2014), 63-74, 2014; /WOS: 000331688000011/ https://doi.org/10.1016/j.molstruc.2013.12.018	4.0	4.0	___	___
17.	*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,* V. Muniyandi, N. Pravin, **L. Mitu**, N. Raman, **Journal of Molecular Structure**, vol. 1086 (15 April 2015), 56-63, 2015; /WOS: 000350518400008/ https://doi.org/10.1016/j.molstruc.2015.01.011	4.0	4.0	___	___

18.	*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; /WOS: 000365063700001/ https://doi.org/10.1016/j.molstruc.2015.10.002	4.0	4.0	___	___
19.	*Oxicams 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; /WOS: 001162950100001/ https://doi.org/10.1080/02603594.2024.2313139	3.8	3.8	3.8	3.8
20.	*Direct and mediator-based Z-scheme heterojunctions involving Bi_2MoO_6 for abatemnet of dyes and pharmaceuticals* Muhammad Asim Raza, Muhammad Imran*, Ayesha Javaid, Shoomaila Latif, **Liviu Mitu*** **Comments on Inorganic Chemistry**, Published online: 30 May 2024; /WOS: 001236031500001/ https://doi.org/10.1080/02603594.2024.2354448	3.8	3.8	3.8	3.8
21.	*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*** **Comments on Inorganic Chemistry**, Published online: 06 Nov 2024; 2024; /WOS: 001349347500001/ https://doi.org/10.1080/02603594.2024.2417272	3.8	3.8	3.8	3.8
22.	*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**, vol. 32(1), e3922, 2018; /WOS: 000418447500030/ https://doi.org/10.1002/aoc.3922	3.7	3.7	___	___
23.	*Ternary Copper(II) complex based chemical probes for DNA targeting: Cytotoxic activity under visible light* M.K. Shanmugaiah, K.M. Palsamy, R. Lokesh, N. Indra Gandhi, **L. Mitu**, R. Jegathalaprathaban, R. Gurusamy **Applied Organometallic Chemistry**, vol. 33(3), e4762, 2019; /WOS: 000459182800033/ https://doi.org/10.1002/aoc.4762	3.7	3.7	___	___

24.	*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, Published: 2017, 2017; /WOS: 000416302300001/ https://doi.org/10.1155/2017/3831507	2.8	2.8	2.8	2.8
25.	*Fabrication of Bilayer Coating of Poly (3,4-ethylenedioxy thiophene)-Halloysite/Chitosan and Mg2+/Sr2+-Doped HAP on Titanium Alloy for Biomedical Implant Applications:Physicochemical and In Vitro Biological Performances Studies* Chozhanathmisra, M., Govindaraj, D., Karthikeyan, P., Pandian, K., **Mitu, L.***, Rajavel, R. **Journal of Chemistry**, Article Number: 9813827, Published: 2018, 2018; /WOS: 000446081000001/ https://doi.org/10.1155/2018/9813827	2.8	2.8	2.8	2.8
26.	*Halloysite Nanotube-Reinforced Ion-Incorporated Hydroxyapatite-Chitosan Composite Coating on Ti-6Al-4V Alloy for Implant Application* M. Chozhanathmisra, K. Pandian, D. Govindaraj, P. Karthikeyan, **L. Mitu***, R. Rajavel **Journal of Chemistry**, vol. 2019, Article ID: 7472058, 12 pages, 2019; /WOS: 000461663200001/ https://doi.org/10.1155/2019/7472058	2.8	2.8	2.8	2.8
27.	*Removal of Acidic Dyes from Aqueous Media Using Citrullus Lanatus Peels: An Agrowaste-Based Adsorbent for Environmental Safety* S. Latif, R. Rehman, M. Imran, S. Iqbal, A. Kanwal, **L. Mitu*** **Journal of Chemistry**, vol. 2019, Article ID: 6704953, 9 pages, 2019; /WOS: 000462429500001/ https://doi.org/10.1155/2019/6704953	2.8	2.8	2.8	2.8
28.	*Biosorptive removal of Cadmium(II) and Copper(II) using microwave assisted thiourea modified Sorghum bicolor agrowaste* M. Salman, R. Rehman, U. Farooq, A. Tahir, **L. Mitu*** **Journal of Chemistry**, vol. 2020, Article ID: 8269643, 11 pages, 2020; /WOS: 000534241900001/ https://doi.org/10.1155/2020/8269643	2.8	2.8	2.8	2.8

29.	*Tartaric Acid-Modified Holarrhena antidysenterica and Citrullus colocynthis Biowaste for Efficient Eradication of Crystal Violet Dye from Water* Sumaira Basharat, Rabia Rehman, Tariq Mahmud, Sara Basharat, **L. Mitu*** **Journal of Chemistry**, vol. 2020, Article ID: 8862167, 18 pages, 2020; /WOS: 000603581700002/ https://doi.org/10.1155/2020/8862167	2.8	2.8	2.8	2.8
30.	*Adsorptive separation of Brilliant Green dye from water by tartaric acid treated Holarrhena Antidysenterica and Citrullus colocynthis biowaste* Sumaira Basharat, Rabia Rehman, **Liviu Mitu*** **Journal of Chemistry**, Article ID: 6636181, Special Issue – 2021 (Trends in Dye Removal from Aqueous Systems), 2021; /WOS: 000640312400001/ https://doi.org/10.1155/2021/6636181	2.8	2.8	2.8	2.8
31.	*Structural and morphological studies of V_2O_5/MWCNTs and ZrO_2/MWCNTs composites as photo-catalysts* Sajid Iqbal, Tanveer Hussain Bokhari, Shoomaila Latif, Muhammad Imran, Ayesha Javaid, **Liviu Mitu*** **Journal of Chemistry**, vol. 2021, Article ID: 9922726, 11 pages, 2021; /WOS: 000669045600001/ https://doi.org/10.1155/2021/9922726	2.8	2.8	2.8	2.8
32.	*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; /WOS: 000865431100004/ https://doi.org/10.1155/2022/9924164	2.8	2.8	2.8	2.8
33.	*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; /WOS: 000868593000004/ https://doi.org/10.1155/2022/6849793	2.8	2.8	2.8	2.8
34.	*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; /WOS: 001015970600002/ https://doi.org/10.1155/2023/6122583	2.8	2.8	2.8	2.8
35.	*Photocatalytic and Biological Activities of Spherical Shape Cellulose/Silver Nanocomposites UsingXenostegia 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; /WOS: 001041612400001/ DOI:10.1155/2023/1783423	2.8	2.8	2.8	2.8
36.	*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; /WOS: 001093510500001/ https://doi.org/10.1155/2023/3861758	2.8	2.8	2.8	2.8
37.	*Spectroscopic, SOD, anticancer, antimicrobial, molecular docking and DNA binding properties of bioactive VO(IV), Cu(II), Zn(II), Co(II), Mn(II) and Ni(II) complexes obtained from 3-(2-hydroxy-3-methoxybenzylidene)pentane-2,4-dione* A. Sakthivel, B. Thangagiri, N. Raman, J. Joseph, R. Guda, M. Kasula, **L. Mitu** **Journal of Biomolecular Structure and Dynamics**, vol. 39(17), 15 pages, 01 Oct. 2021, 2021; /WOS: 000559853900001/ https://doi.org/10.1080/07391102.2020.1801508,	2.7	2.7	___	___
38.	*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**, Published online: 08 Jan 2024; /WOS: 001138775700001/ https://doi.org/10.1080/07391102.2023.2301059;	2.7	2.7	___	___

39.	*Synthesis, structural and photo-physical studies of transition metal complexes with Mannich bases derived from 2-mercaptobenzimidazole* A. Farooq, M. Imran, Z. Iqbal, T.H. Bokhari, S. Latif, A. Farooq, M. Liaqat, **L. Mitu*** **Bulletin of the Chemical Society of Ethiopia**, vol. 32(3) 481-490, 2018; /WOS: 000451192800007/ https://dx.doi.org/10.4314/bcse.v32i3.7	1.3	1.3	1.3	1.3
40.	*Antibacterial studies of Co(II), Ni(II), Cu(II), Zn(II) complexes with Mannich base ligand* Ayesha Farooq, Muhammad Imran, Amna Farooq, Shoomaila Latif, Muhammad Liaqat, Zaigham Abbas, Gabriel Bratu, **Liviu Mitu*** **Bulletin of the Chemical Society of Ethiopia**, vol. 33(3) 485-492, 2019; /WOS: 000496971800009/ https://dx.doi.org/10.4314/bcse.v33i3.9	1.3	1.3	1.3	1.3
41.	*Synthesis, Characterization and Biological Evaluation of Three New Schiff Bases derived from Amino Acids and their Ag(I) Complexes* 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), 45-56, 2022; /WOS: 000810241500005/ https://dx.doi.org/10.4314/bcse.v36i1.5	1.3	1.3	1.3	1.3
42.	*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; /WOS: 000270746600006/ https://doi.org/10.2298/JSC0910075M	1.0	1.0	1.0	1.0
43.	*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; /WOS: 000281683900006/ doi:10.2298/JSC091026098I	1.0	1.0	1.0	1.0
44.	*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; /WOS: 000296821000006/ doi: 10.2298/JSC110111118M	1.0	1.0	1.0	1.0

45.	*Computational, antimicrobial, DNA binding and anticancer activities of pyrimidine incorporated ligand and its copper(II) and zinc(II) complexes* M. Sankarganesh, N. Revathi, J. Dhaveethu Raja, K. Sakthikumar,G.G.V.Kumar,J.Rajesh,M.Rajalakshmi, **L.Mitu*** **Journal of the Serbian Chemical Society**, 84(3) 277-291, 2019; /WOS: 000463002500005/ https://doi.org/10.2298/JSC180609080S	1.0	1.0	1.0	1.0
46.	*Template synthesis, characterization and biological activity of Cu(II),Ni(II), Co(II),Zn(II) complexes with isonicotinoylhydrazone-2-aldehydefluorene ligand* **Mitu L.***, Mohamed Farook N.A., Iqbal S.A., Raman N., Imran M., Sharma S.K. **E-Journal of Chemistry**, vol. 7(1), 227-233, 2010; /WOS: 000276160600034/ https://doi.org/10.1155/2010/293287	0.696	0.696	0.696	0.696
47.	*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**, vol. 9(1), 365-372, 2012; /WOS: 000299841500054/ https://doi.org/10.1155/2012/298175	0.696	0.696	0.696	0.696
48.	*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**, vol. 9(2), 621-630, 2012; /WOS: 000302159300017/ https://doi.org/10.1155/2012/857579	0.696	0.696	—	—
49.	*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**, vol. 9(4), 1919-1928, 2012; /WOS: 000303776600030/ https://doi.org/10.1155/2012/969760	0.696	0.696	—	—
50.	*Template Synthesis, Characterization and Antimicrobial Activity of the Complex Combinations of some Transitional Metals with Isonicotinoylhydrazone-2,4,6-Trimethyl benzaldehyde,* **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; /WOS: 000292229800020/ http://142.54.178.187:9060/xmlui/handle/123456789/19743	0.6	0.6	0.6	0.6
	Total	**159.98**	**159.98**	**76.19**	**76.19**