

Lista articolelor științifice publicate în anul 2018

Articole din reviste cu factor de impact:

- articole din reviste cu factor de impact mai mare 3

1. BARTOLOME, E.; BARTOLOME, J.; ARAUZO, A.; LUZON, J.; CASES, R.; FUERTES, S.; SICILIA, V.; SANCHEZ-CANO, A. I.; APORTA, J.; MELNIC, S.; PRODIUS D. AND SHOVA, S. Heteronuclear $\{Tb_xEu_{1-x}\}$ furoate 1D polymers presenting luminescent properties and SMM behavior. In: *J. Mater. Chem. C*, 2018, 6, 5286–5299. DOI: 10.1039/c8tc00832a. (IF: 5,25).
2. BOLDESCU, V.; SUCMAN, N.; HASSAN, S.; IQBAL, J.; NEAMTU, M.; LECKA, J.; SÉVIGNY, J.; PRODIUS, D.; MACAEV, F. Ectonucleotidase inhibitory and redox activity of imidazole-based organic salts and ionic liquids. In: *ChemMedChem*, 2018, 13, 21, 2297-2304. ISSN:1860-7187. (IF: 3.009).
3. CHISCA, D.; CROITOR, L.; PETUHOV, O.; KULICOVA, O.; VOLODINA, G.; COROPCEANU, E.; MASUNOV, A.; FONARI, M. Tuning Structures and Emissive Properties in a Series of Zn(II) and Cd(II) Coordination Polymers Containing Dicarboxylic Acids and Nicotinamide Pillars. In: *CrystEngComm.*, 2018. 20. P. 432-447. (IF: 3,474).
4. STRAISTARI, T.; HARDRE, R.; FIZE, J.; SHOVA, S.; GIORGI, M.; REGLIER, M.; ARTERO, V.; ORIO, M. Hydrogen Evolution Reactions Catalyzed by a Bis(thiosemicarbazone) Cobalt Complex: An Experimental and Theoretical Study. In: *Chemistry - A European Journal*, 2018, 24(35), 8779–8786. doi:10.1002/chem.201801155 (IF: 5.16)

- articole din reviste cu factor de impact 1,0-2,9

1. ANGHEL, L.; DUCA, GH.; CEPOI, L.; IATCO, I.; RUDI, L.; ERHAN, R.V. The Effects of Operational Parameters on the Iron(III) Uptake by Micro-Algae *Dunaliella salina*. In: *Clean – Soil, Air, Water*. 2018, 7 p. DOI: [10.1002/clean.201800157](https://doi.org/10.1002/clean.201800157). (IF:1,412).
2. ANGHEL, L.; RADULESCU, A.; ERHAN, R. V. Structural aspects of human lactoferrin in the iron binding process studied by molecular dynamics and small-angle neutron scattering. In: *European Journal of Physics E – Soft Matter & Biological Physics*, 2018, 41:109, 7 p. DOI: 10.1140/epje/i2018-11720-x. (IF: 1.802).
3. ARDELEANU, R.; DASCĂLU, A.; SHOVA, S.; NICOLESCU, A.; ROȘCA, I.; BRATANOVICI, B.; LOZAN, V.; ROMAN, G. 4'-(2H-Tetrazol-5-yl)-[1,1'-biphenyl]-4-carboxylic acid: synthetic approaches, single crystal X-ray structures and antimicrobial activity of intermediates. In: *Journal of Molecular Structure*, 2018, 1173, 63–71. doi:10.1016/j.molstruc.2018.06.086 (IF: 2.011)
4. BAHRIN, L.G.; ROSCA, I.; CLIMA, L.; SHOVA, S.; BEJAN, D.; NICOLESCU, A.; MARANGOCI, N.-L.; SARDARU, M.C.; LOZAN, V.; ROTARU, A. Zinc(II) coordination polymer on the base of 3'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-carboxylic acid: Synthesis, crystal structure and antimicrobial properties. In: *Inorganic Chemistry Communication*, 2018, p. 60-63. (IF: 1,64).
5. BEJAN, D.; BAHRIN, L.G.; SHOVA, S.; SARDARU, M.; CLIMA, L.; NICOLESCU, A.; MARANGOCI, N.; LOZAN, V.; JANIAC, C. Spontaneous resolution of non-centrosymmetric coordination polymers of zinc(II) with achiral imidazole-biphenyl-carboxylate ligands. In: *Inorganica Chimica Acta*, 2018, 482, 275–283. doi:10.1016/j.ica.2018.05.024 (IF: 2.264).
6. DUCA, Gh.; ARICU, A.; KUCHKOVA, K.; SECARA, E.; BARBA, A.; DRAGALIN, I.; UNGUR, N.; SPENGLER, G. Synthesis and anticancer activity of new guanidine – containing diterpenoids. In: *Natural product research*, 2018. ISSN: 1478-6427. doi: 10.1080/14786419.2018.1516658. (IF 1.928).
7. D'AMBROSIO, M.; CIOCARLAN, A.; ARICU, A. Minor acetylated metabolites from *Euphrasia rostkoviana*. Natural and synthetic acetylated derivatives of rutin. In: *Natural*

- product research*, 2018, ISSN: 1478-6427. doi: 10.1080/14786419.2018.1530227. (IF 1.928).
8. GOROBET, A.; [VITIU, A.](#); [PETUHOV, O.](#); [CROITOR, L.](#) Sulfur extrusion and sulfur oxidation of 2,2'-dithiodibenzoic acid in combination with Cu(II) ion and in the absence of co-ligands: Structural, spectroscopic and thermogravimetric evidence. In: [Polyhedron](#), vol. 151, 2018, p. 51-57. DOI: [10.1016/j.poly.2018.05.013](#). (IF 1,92).
 9. KRAVTSOV, V. CH.; MALAESTEAN, I.; STINGACH, E. P.; DUCA, G. G.; MACAEV, F. Z.; VAN LEUSEN, J.; KOGERLER, P.; HAUSER, J.; KRAMER, K.; DECURTINS, S.; LIU, SHI-XIA; GHOSH, A. C.; GARCIA, Y.; BACA, S. G. Hexanuclear Fe(III) wheels functionalized by amino-acetonitrile derivatives. In: *Solid State Sciences*, 2018, 78, 156-162. ISSN:1293-2558. (IF: 1.811).
 10. LUPASCU, T.; CIOBANU, M.; BOTAN, V.; SANDU, I.G.; DRAGALIN, I.; MITINA, T.; SANDU, I. Removal of ammonium ions and ammonia from groundwater by oxidation processes. In: *Revista de Chimie*. 2018, 11. (IF: 1,412)
 11. MOLDOVAN, Z.; MARINCAS, O.; POVAR, I.; LUPASCU, T.; LONGREE, PH.; SIMOVIC ROTA, J.; SINGER, H.; ALDER, A. Environmental Exposure of Anthropogenic Micropollutants in the Prut River at the Romanian-Moldavian Border: A Snapshot in the Lower Danube River Basin. In: *Environmental Science and Pollution Research*. 2018, **25**, 31040-31050. ISSN: 0944-1344. <https://doi.org/10.1007/s11356-018-3025-8> (IF: 2.8).
 12. POVAR I.; SPINU, O.; PINTILIE, B. Expressions for enthalpies of concurrently polynuclear complex formation reactions in two-phase aqueous systems. In: *Journal of Solution Chemistry*. 47(11), 1725-1739. ISSN: 0095-9782. <https://doi.org/10.1007/s10953-018-0802-4> (IF: 1.401).
 13. MOLDOVAN, Z.; MARINCAS, O.; POVAR, I.; LUPASCU, T.; LONGREE, PH.; SIMOVIC ROTA, J.; SINGER, H.; ALDER, A. Environmental Exposure of Anthropogenic Micropollutants in the Prut River at the Romanian-Moldavian Border: A Snapshot in the Lower Danube River Basin. In: *Environmental Science and Pollution Research*. 2018, **25**, 31040-31050. ISSN: 0944-1344. <https://doi.org/10.1007/s11356-018-3025-8> (IF: 2.8).
 14. POVAR I.; SPINU, O.; PINTILIE, B. Expressions for enthalpies of concurrently polynuclear complex formation reactions in two-phase aqueous systems. In: *Journal of Solution Chemistry*. 47(11), 1725-1739. ISSN: 0095-9782. <https://doi.org/10.1007/s10953-018-0802-4> (IF: 1.401)
 15. OSIPOV, I.; GORBACHEV, M. Y.; GORINCHOY, N. N. Proton-induced accelerated decay of the fungicide, vinclozolin, on TiO₂ surface under solar irradiation: Experimental and DFT study. In: *Journal of Environmental Science and Health*, 2018, Part B, 53:4, p.222-228, DOI: 10.1080/03601234.2017.1410406. (IF: 1,31).
 16. ȘIRBU, T.; GIRBU, V.; HARGHEL, P.; RUSU, V.; UNGUR, N.; KULCIŢKI, V. Selectivity control in terpene rearrangements. A biomimetic synthesis of halimanic bicyclic core. In: *Synthesis*, 2018, (ID: SS-2018-09-0629-OP), ISSN 1437-210X. (IF: 2.722).
 17. SPATARU, P.; POVAR, I.; LUPASCU, T.; ALDER, A.; MOSANU, E. Study of nitrogen forms in seasonal dynamics and kinetics of nitrification and denitrification in prut and nistru river waters. In: *Environmental Engineering and Management Journal*. 17(7), 1711-1719. ISSN: 1582-9596. <http://eemj.eu/index.php/EEMJ/article/view/3634> (IF: 1.021)
 18. STRAISTARI, T.; HARDRE, R.; MASSIN, J.; ATTOLINI, M.; FAURE, B.; GIORGI, M.; REGLIER, M.; ORIO, M. Influence of the Metal Ion on the Electrocatalytic Hydrogen Production by a Thiosemicarbazone Palladium Complex. In: *European Journal of Inorganic Chemistry*, 2018 (20-21), 2259–2266. doi:10.1002/ejic.201800120 (IF: 2.507).
 19. VODA, I.; MAKHLOUFI, G.; DRUTA, V.; LOZAN, V.; SHOVA, S.; BOUROSH, P.; KRAVTSOV, V.; JANIAC, C. Mixed-ligand coordination compounds based on the rigid 4,4'-bis(1-imidazolyl)biphenyl and pyridinedicarboxylate ligands. In: *Inorganica Chimica Acta*, 2018, 482, 526-534. DOI: 10.1016/j.ica.2018.06.038 (IF 2.264).

20. ZINICOVSCAIA, I.; CEPOI, L.; POVAR, I.; CHIRIAC, T.; RODLOVSKAYA, E.; CULICOV, O.A. Study of metal uptake from complex industrial effluents by *Spirulina platensis* using neutron activation analysis. In: *Water, Air, & Soil Pollution*, 2018, 229: 220. <http://dx.doi.org/10.1007/s11270-018-3873-3>. (IF: 1.769).

- articole din reviste cu factor de impact 0,1-0,9

1. ARICU, A. N.; KUCHKOVA, K. I.; SECARA, E. S.; BARBA, A. N.; DRAGALIN, I. P.; UNGUR, N. D.; MELNIK, E.; KRAVTSOV, V. KH. Synthesis and Structure of Drimane Sesquiterpenoids Containing Pyrimidine, Pyrazine, 1,2,4-triazole, and Carbazole Rings. In: *Chemistry of natural compounds*, 2018, Vol. 54, Nr 3, pp. 455–460. ISSN: 1573-8388 doi 10.1007/s10600-018-2378-z. (IF 0.450).
2. GORINCHOY, N. Pseudo Jahn-Teller Effect in Puckering and Planarization of Heterocyclic Compounds. In: *International Journal of Organic Chemistry*, 2018, 8, p.142-159. <https://doi.org/10.4236/ijoc.2018.81010>. (IF: 0,32)
3. IVANETS, A.I.; NASTAS, R.I.; KUZNETSOVA, T.F.; AZAROVA, T.A.; POSTOLACHI, L.V.; GINSARI, I.N.; VORONETS, E.A.; RUSU, V.I.; LUPASCU, T.G. Regularities of Modification of Active Carbons by Oxygen-Containing Manganese Compounds. *Protection of Metals and Physical Chemistry of Surfaces*. 2018, 54 (4), 587–593. ISSN 2070-2051, DOI: 10.1134/S2070205118040056 (IF: 0,71).
4. KANAROVSKII, E. Yu.; YALTYCHENKO, O. V.; GORINCHOY, N. N. Kinetics of Antioxidant Activity of α -Tocopherol and Some of Its Homologues: Part 1. Review: Theoretical Model. In: *Surface Engineering and Applied Electrochemistry*, 2018, Vol. 54:5, p. 481–497. ISSN 1068-3755. (IF: 0.289).
5. POVAR, I.; ZINICOVSCAIA, I.; SPINU, O.; UBALDINI, S.; MITINA, T.; LUPASCU, T.; DUCA, Gh. Thermodynamic analyzing the degree of precipitation for slightly soluble hydroxides and salts in industrial wastewaters. In: *Canadian Journal of Chemistry*, 2018. (IF: 0.973).
6. ZINICOVSCAIA, I.; ANIČIĆ UROŠEVIĆ, M.; VERGEL, K.; VIERU, E.; FRONTASYEVA, M.; POVAR, I.; GH. DUCA. Active moss biomonitoring of trace elements with *Sphagnum girgensohnii* in relation to atmospheric bulk deposition: Chisinau case study. In: *Ecological Chemistry and Engineering S*. 2018, 25(3), 361-372. ISSN: 1898-6196. <https://doi.org/10.1515/eces-2018-0024> (IF: 0.815).
7. a) БОУРОШ, П.; БУЛХАК, И.; КОВАЧ, О.; ЗУБАРЕВА, В.; МИТИНА, Т. Бис- α -Бензилдиоксиматные комплексы железа(II) с 3- и 4-пиридинполуацетальми в качестве аксиальных лигандов: синтез, строение и физико-химические свойства. В: *Координационная химия*, 2018, том 44, № 4, с. 255-265. (IF: 0,71)
b) BOUROSH, P.; BULHAC, I.; COVACI, O.; ZUBAREVA, V.; MITINA, T. Iron(II) Bis- α -Benzylidioximate Complexes with 3- and 4-Pyridine Hemiacetals as Axial Ligands: Synthesis, Structure, and Physicochemical Properties. In: *Russian Journal of Coordination Chemistry*, 2018, Vol. 44, No. 8, pp. 507-517. ISSN 1070-3284. (IF: 0,71)

Articole în reviste cu factor de impact 0,01-0,09.

1. KULCITKI, V.; UNGUR, N. Selective control in the biomimetic cyclization of some terpenoids. In: *Pharmaceutical bulletin*, 2018, Nr. 3-4, ISSN 2224-0225. (IF 0.01).

Articole din alte reviste editate în străinătate:

1. CIOCARLAN N., CIOCARLAN A., DRAGALIN I., ARICU A., ZINICOVSCAIA I., GUNDORINA I. GC–MS and neutron activation (NAA) analysis of medicinal *Teucrium L.* species. In: *Progress of cryogenics and isotop separation*. 2018, Vol. 21, Nr. 2, pp. 121-129. ISSN: 1582-2575.

2. GERU, I.I. Inversion of spin levels in exchange coupled pairs under combined time-reversal. In: *Semiconductor Physics, Quantum Electronics and Optoelectronics*, 21(3), 2018, p. 228-248.
3. ȘTEFÎRȚĂ, A.; BOTNARI, V.; BRÂNZĂ, L.; BULHAC, I.; COROPCEANU, E.; BOUROSH, P.; CHILINCIUC, A. Possibilities of increasing the antioxidant properties of garlic plants (*Allium Sativum*, L.). In: *Acta Chemica Iași*. 2017, 25_2, 208-231. DOI: 10.1515/achi-2017-0017. ISSN 2067 - 2438. (n-a fost inclusă în raportul din a. 2017).

Articole din reviste naționale:

- Categoria A:

1. ANGHEL, L.; ERHAN, R.V. Structural Aspects of Lactoferrin and Serum Transferrin Observed by FTIR Spectroscopy. In: *Chemistry Journal of Moldova*, 2018, 13(1), pp. 111-116. DOI: <http://dx.doi.org/10.19261/cjm.2018.482>.
2. CIOCARLAN, A.; DRAGALIN, I.; ARICU, A.; CIOCARLAN, N.; STAVARACHE, C.; DELEANU, M. Chromatographic analysis of *Sylibum marianum* (L.) Gaertn. fatty oil. In: *Chemistry Journal of Moldova*, 2018, 13(1), p. 63-69. DOI: <http://dx.doi.org/10.19261/cjm.2018.484>
3. CIOCARLAN, A.; DRAGALIN, I.; ARICU, A.; LUPASCU, L.; CIOCARLAN, N.; POPESCU, V. Chemical composition and antimicrobial activity of the *Levisticum officinale* W.D.J. Koch essential oil. In: *Chemistry Journal of Moldova*, 2018, Vol. 13, Nr. 2, p. 63-68. ISSN 1857-1727. dx.doi. 10.19261/cjm.2018.514. (IF 0.03).
4. CUBA, L.; BOUROSH, P.; KRAVTSOV, V.; GORINCIOI, E.; DRAGANCEA, D. Oxido- and dioxidovanadium(V) complexes with o-vanillin semicarbazone: synthesis and crystal structure. In: *Chemistry Journal of Moldova*, 2018, 13(1), p. 36-46, DOI: <http://dx.doi.org/10.19261/cjm.2018.477>.
5. CUZAN-MUNTEANU, O.; MELNIC, S.; SHOVA, S. Synthesis and X-Ray Characterization of a New Mixed-Valence Trinuclear Iron Cluster. In: *Chemistry Journal of Moldova*, 2018. DOI: 10.19261/cjm.2018.504
6. DANILESCU, O. Structural study of mono- and binuclear 2,6-diacetylpyridine bis(nicotinoylhydrazone) coordination compounds. In: *Moldavian Journal of the Physical Sciences*, 2018, vol. 17, 3(4). p. 177-184, ISSN 1810-648X.
7. DUCA, GH.; ARICU, A.; LUNGU, L. ; TENU, N.; CIOCARLAN, A.; GUTU, Y.; DRAGALIN, I.; BARBA, A. Synthesis of new homodrimane sesquiterpenoids containing diazine, 1,2,4-triazole and carbazole rings. In: *Chemistry Journal of Moldova*, 13(1), 2018, p. 69-74, DOI: <http://dx.doi.org/10.19261/cjm.2017.458>.
8. DUCA, Gh.; CIOBANU, M.; LUPASCU, T.; POVAR I. Adsorption of strontium ions from aqueous solutions on nut shells activated carbons. *Chemistry Journal of Moldova*. 2018, 13(2), 69-73. ISSN 1857-1727. <http://dx.doi.org/10.19261/cjm.2018.494>
9. GORINCHOY, V.; ZUBAREVA, V.; MELNIC, E.; KRAVTSOV, V. Heterotrinnuclear [Fe^{III}Ni^{II}]-μ₃-oxo-cluster based on salicylic acid. Synthesis, structure and physico-chemical properties. In: *Chemistry Journal of Moldova. General, Industrial and Ecological Chemistry*, 13(1), 2018, p. 46-54.
10. GORINCIOI, E.; COROPCEANU, E. NMR studies of some Zn and Cd coordination compounds bearing 1,2-ciclohexanedionedioxime. In: *Chemistry Journal of Moldova*, 2018, 13(2), 10 p. DOI: <http://dx.doi.org/10.19261/cjm.2018.368>
11. LAZARESCU, A.; FERBINTEANU, M.; TARENTI, N. Crystal structure and characterization of neutral cobalt(III) 2,3-pyridinedicarboxylate complex. In: *Chem. J. of Moldova* (General, Industrial and Ecological Chemistry), 2018, 13(1), 24-29. ISSN (p) 1857-1727 ISSN (e) 2345-1688 <http://cjm.asm.md> <http://dx.doi.org/10.19261/cjm.2017.371>.
12. POSTOLACHI, L.; RUSU, V.; LUPASCU, T.; PETUHOV, O. Improvement of filtration properties of Ghidirim diatomite (Republic of Moldova). In: *Chemistry Journal of Moldova*, 2018, 13(1), pp. 117-121. 10.19261/cjm.2018.436.

13. TUROV, V.; BOGATYREV, V.; KRUPSKA, T.; GALABURDA, M.; LUPASCU, T.; POVAR, I.; KOKOSHA, N. Water binding through polyacrylamide hydrogel and the influence of its preliminary saturation by Enoxil. *Chemistry Journal of Moldova*, 13(1), 2018, p. 87-95. <http://dx.doi.org/10.19261/cjm.2017.459>.
14. STAVINSKAYA, O., LAGUTA, I.; KAZAKOVA, O.; KUZEMA, P.; LUPASCU, T. Hygroscopic properties of enoxil-silica composites. In: *Chemistry Journal of Moldova*, 2018, 13(2), 89-93. ISSN 1857-1727. dx.doi.org/10.19261/cjm.2018.487.
15. VITIU, A.; CROITOR, L.; SIMINEL, A.; COROPCEANU, E.; BOUROSH, P. A novel 2D zinc(II) coordination polymer based on 2,2'-bipyridine-4,4'-dicarboxylic acid: synthesis, crystal structure and photoluminescence property. In: *Chemistry Journal of Moldova*, 2018, 13(1), p. 30-35.
16. БОЛОГА, О.А.; ПАРШУТИН, В.В.; ШОЛТОЯН, Н.С.; КОВАЛЬ, А.В.; ЧЕРНЫШЕВА, Н.В.; ВЕРЕЖАН, А.В.; БУЛХАК, И.И. Ингибирование коррозии Ст.3 в воде комплексным соединением – хлористый дигидразид семикарбазиддиуксусной кислоты никеля(II) тригидрат. В: *Электронная обработка материалов*, том. 53, № 6, 2017. (n-a fost inclusă în raportul din a. 2017).
17. DUCA, GH.; ARICU, A.; LUNGU, L.; TENU, N.; CIOCARLAN, A.; DRAGALIN, I.; GUTU, Y.; BARBA, A. Synthesis of new homodrimane sesquiterpenoids containing diazine, 1,2,4-triazole and n-carbazole rings. In: *Chem. J. Mold.*, 2018, vol.13(1), p. 69-74. DOI: <http://dx.doi.org/10.19261/cjm.2017.458>.

- **Categoria B:**

1. BALAN, I. Schimbările structurale în moleculele de tip AH_3 în procesele redox induse de Pseudo Efectul Jahn-Teller. In: *Studia Universitatis Moldaviae*, 2017, nr.6(106), p.86-92. <http://studiamsu.eu/stiinte-ale-naturii/>.
2. CĂLUGĂRU-SPĂTARU, T.; CIOCĂRLAN, A.; DASCALIUC, A. Compoziția chimică a extractelor și uleiului volatil din rizomii de *Rhodiola rosea* L. de origine carpatină. In: *Buletinul așm. Științele vieții*. 2017, vol. 3, nr. 333, p. 76-83. (n-a fost introdus în raportul din a. 2017).
3. CIBOTARU, S. Study of structure parameters and of absorption capacity of activated carbon obtained from wood charcoal. In: *The Scientific Journal of Cahul State University "Bogdan Petriceicu Hasdeu": Economic and Engineering Studies*. 2017, nr. 2 (2), 102-107. ISSN 2587-313X.
4. LUPAȘCU, L.; LUPAȘCU, G.; ȚÎMBALIUC, N.; ȘUBINA, V.; MAGHER, M. Activitatea antimicrobiană *in vitro* a taninurilor intacte și oxidate, izolate din nuc (*Juglans regia* l.). In: *Buletinul Academiei de Științe a Moldovei*. 2018, 2, 113-120. ISSN:1024-7696
5. LUPAȘCU, T.; ȚÎMBALIUC, N.; LUPAȘCU, L. Obținerea și caracterizarea compușilor bioactivi extrași din produse vegetale forestiere. In: *Academos. Revistă de știință, inovare, cultură și artă*. 2017, 4 (47), 45-51. ISSN 1857-0461.
6. POVAR, I.; SPINU, O.; DEMCHENKO, P.; VOYTKO, A.; LUPASCU, T. Thermodynamic study of the binding of lead by pectin. In: *Scientific Journal of Cahul State University "Bogdan Petriceicu Hasdeu": Economic and Engineering Studies*. 2018, 1(3), 61-66. ISSN 2587-313X
7. RUSU, V. Stratul dublu electric al montmorilonitului. III. Caracteristicile stratului compact Stern. In: *Studia Universitatis Moldaviae, Seria Științe reale și ale naturii*, 2017, nr. 6(106), 97-106. ISSN: 1814-3237.

- **Categoria C:**

1. MAFTULEAC, A.; OCOPNAIA, N., BONDARENCO, N. Apa dura – cauze și efecte. Dedurizarea și utilizarea deșeurilor. In: *Noosfera*. 2017, 18, 131-135. ISSN 1857-3517.

- **articole în alte reviste naționale:**

1. POVAR, I.; SPINU, O., DEMCHENKO, P., VOYTKO, A., LUPASCU, T. Thermodynamic study of the binding of lead by pectin. [The Scientific Journal of Cahul State University "Bogdan Petriceicu Hasdeu"](#): Economic and Engineering Studies, 2018, 1(3), p. 61-66. ISSN 2587-313X.

- **articole în culegeri naționale:**

1. CIBOTARU, S.; TIMBALIUC, N.; LUPAȘCU, T. Influența parametrilor cărbunilor activi autohtoni asupra imobilizării vitaminei B₁₂. In: *Materialele Conferinței Științifice Internaționale „Perspectivele și Problemele Integrării în Spațiul European al Cercetării și Educației”*. 2018, vol. I, 312-316. ISBN 978-9975-88-041-1.
2. CUBA, L. Compusul coordinativ al Ni(II) cu semicarbazonă 2,3-dihidroxibenzaldehidei. În: *Conferința științifică a doctoranzilor «Tendințe contemporane ale dezvoltării științei: viziuni ale tinerilor cercetători»*, ediția a VI-a, Moldova, Chișinău, 15 iunie 2018, volumul I, p.100-103.
3. GERU I.I. Encoding the information in a quantum computing using effective spin two-boson representation. In: *Proceedings of the 6-th International Conference “Telecommunications, Electronics and Informatics” ICTEI-2018*, Chisinau, May 24-27, 2018, p.199-201.
4. GINSARI, I.; NASTAS, R. Adaptarea metodei ABTS^{•+} pentru determinarea proprietăților antioxidante ale cărbunilor activi. In: *Conferința Științifică internațională „Perspectivele și Problemele Integrării în Spațiul European al Cercetării și Educației”*. 2018, Cahul, R Moldova 316-321, ISBN 978-9975-88-040-4.
5. MAFTULEAC, A.; SPATARU, P.; SPINU, O. PETUHOV, O.; POVAR, I. Analiza termică a flotatului organo-mineral provenit din apele reziduale ale municipiului Chișinău. In: *Lucrările Conferinței științifice internaționale „Perspectivele și problemele integrării în Spațiul European al Cercetării și Educației”*, 7 iunie, 2018, Cahul, Republica Moldova, 301-304. ISBN 978-9975-88-040-4.
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