

**a) Articole în reviste indexate în bazele de date Web of Science și/sau Scopus de categoria Q1**

1. CIOCARLAN, A. (ICH), DRAGALIN, I. (ICH), ARICU, A.(ICH), LUPASCU, L. (ICH), CIOCARLAN, N.;VERGEL, K.; DULIU, O.G.; HRISTOZOVA, G.; ZINICOVSCAIA, I. Chemical Profile,Elemental Composition, and Antimicrobial Activity of Plants of the Teucrium (Lamiaceae) Genus Growing in Moldova. *Agronomy*, 2022, 12, p.772. DOI: <https://doi.org/10.3390/agronomy12040772>, <https://www.scopus.com/sourceid/21100447811>, <https://www.scimagojr.com/journalsearch.php?q=21100447811&tip=sid>
2. FUIOR, A., HIJAZI, A., GARBUZ, O., BULIMAGA, V., ZOSIM, L., CEBOTARI, D., HAOUAS, M., TODERAȘ, I., GULEA, A. (ICH), FLOQUET S. Screening of biological properties of MoV2O2S2-and MoV2O4-based coordination complexes: Investigation of antibacterial, antifungal, antioxidative and antitumoral activities versus growing of *Spirulina platensis* biomass, *Journal of Inorganic Biochemistry*, 2022, Nr. 226, 111627. <https://doi.org/10.1016/j.jinorgbio.2021.111627>, <https://www.scopus.com/sourceid/17615>, <https://www.scimagojr.com/journalsearch.php?q=17615&tip=sid>
3. SPATARU, P. (ICH). Influence of organic ammonium derivatives on the equilibria between  $\text{NH}_4^+$ ,  $\text{NO}_2^-$  and  $\text{NO}_3^-$  ions in the Nistru River water. *Scientific Reports*. 2022, vol. 12, 13505. <https://www.nature.com/articles/s41598-022-17568-3>, <https://doi.org/10.1038/s41598-022-17568-3>, <https://www.scopus.com/sourceid/21100200805>, <https://www.scimagojr.com/journalsearch.php?q=21100200805&tip=sid>
4. POGREBNOI, S. (ICH, Universitatea de Stat de Medicina și Farmacie "N. Testemițeanu"), RADUL, O., STINGACI, E. (ICH), LUPASCU, L. (ICH), VALICA, V., UNCUL, L., SMETANSCAIA, A., PETROU, A., CIRIC, A., GLAMOCLIA, J., SOKOVIC, M., GERONIKAKI, A. MACAEV, F. Z. (ICH, Universitatea de Stat de Medicina și Farmacie "N. Testemițeanu"). Triazolium salts as antifungal agents. Synthesis, biological and in *silico* evaluation. *Antibiotics*, 2022, 11(5), 588. (FI: 4.639). ISSN 2079-6382. <https://www.mdpi.com/2079-6382/11/5/588>, <https://doi.org/10.3390/antibiotics11050588>, <https://www.scopus.com/sourceid/21100469670>, <https://www.scimagojr.com/journalsearch.php?tip=sid&q=21100469670>

**b) Articole în reviste indexate în bazele de date Web of Science și/sau Scopus de categoria Q2**

1. CHUMAKOV, Y.M., DANILESCU, O. (ICH), BOUROSH, P.N., KULIKOVA, O.V., BULHAC, I. (ICH), CROITOR, L. Metal ions impact on the isostructurality and properties of 2D coordination polymers. *CrystEngComm*, 2022, vol. 24, pp. 4430-4439. <https://doi.org/10.1039/D2CE00444E>, <https://pubs.rsc.org/en/content/articlelanding/2022/ce/d2ce00444e>, <https://www.scopus.com/sourceid/130039>, <https://www.scimagojr.com/journalsearch.php?q=130039&tip=sid>
2. DANILESCU, O. (ICH), BOUROSH, P.N., KULIKOVA, O.V., CHUMAKOV, Y.M., BULHAC, I. (ICH), CROITOR, L. Dihydrazone Schiff base ligands – appropriate chemosensors for Cd(II) detection. *Inorganic Chemistry Communications*, 2022, vol. 146, 110199. <https://doi.org/10.1016/j.inoche.2022.110199>,

<https://www.scopus.com/sourceid/25267>,

<https://www.scimagojr.com/journalsearch.php?q=25267&tip=sid>

3. FUIOR, A., CEBOTARI, D., HAOUAS, M., MARROT, J., ESPALLARGAS, G.M., GUÉRINEAU, V., TOUBOUL, D., RUSNAC, R. (ICH), GULEA, A. (ICH), FLOQUET, S. Synthesis, Structures, and Solution Studies of a New Class of [Mo<sub>2</sub>O<sub>2</sub>S<sub>2</sub>]-Based Thiosemicarbazone Coordination Complexes. *ACS Omega*, 2022, Nr. 7 (19), pp.16547-16560  
<https://doi.org/10.1021/acsomega.2c00705>, <https://www.scopus.com/sourceid/21100828963>,  
<https://www.scimagojr.com/journalsearch.php?q=21100828963&tip=sid>
4. GRAUR, V. (ICH), CHUMAKOV, Y., GARBUZ, O., HUREAU, C., TSAPKOV, V., GULEA, A. (ICH) Synthesis, Structure, and Biologic Activity of Some Copper, Nickel, Cobalt, and Zinc Complexes with 2-Formylpyridine N4-Allylthiosemicarbazone. *Bioinorganic Chemistry and Applications*, 2022, ID 2705332. <https://doi.org/10.1155/2022/2705332>,  
<https://www.scopus.com/sourceid/4000150001>,  
<https://www.scimagojr.com/journalsearch.php?q=4000150001&tip=sid>
5. LOZOVAN, Vasile (ICH, IFA, UST), KRAVTSOV, Victor, COSTRIUCOVA, Natalia, SIMINEL, Anatolii, KULIKOVA, Olga, FONARI, Marina. Tunability in dimension, metal and ligand coordination modes and emission properties in Cd(II) and Zn(II) coordination networks based on 4,4'-(hydrazine-1,2-diylidenebis(methanylylidene)) dibenzoic acid linker. *Journal of Solid State Chemistry*, 2022, vol. 310, 123021.  
<https://doi.org/10.1016/j.jssc.2022.123021>, <https://www.scopus.com/sourceid/26972>,  
<https://www.scimagojr.com/journalsearch.php?q=26972&tip=sid>,
6. LUNGU, L. (ICH), CUCICOVA, C., BLAJA, S., CIOCARLAN, A. (ICH), DRAGALIN, I. (ICH), VORNICU, N., GEANA, E., MANGALAGIU, I.I., ARICU, A. (ICH). Synthesis of homodrimane sesquiterpenoids bearing 1,3-benzothiazole unit and their Antimicrobial activity evaluation. *Molecules*, 2022, 27, 5082-96. DOI: <https://doi.org/10.3390/molecules27165082>,  
<https://www.scopus.com/sourceid/26370>,  
<https://www.scimagojr.com/journalsearch.php?q=26370&tip=sid>
5. NAGAVCIUC, V., PERSOIU, A., BĂDĂLUTĂ, C. A., BOGDEVICH, O., BĂNICĂ, S., BÎRSAN, M. V., BOENGIU, S., ONACA, A., IONIȚA, M. Precipitation Stable Isotope Framework in the Wider Carpathian Region. *Water*. 2022, vol. 14, 2547.  
<https://doi.org/10.3390/w14162547> , [https://mjl.clarivate.com://search-results?issn=2073-4441&hide\\_exact\\_match\\_fl=true&utm\\_source=mjl&utm\\_medium=share-by-link&utm\\_campaign=search-results-share-this-journal](https://mjl.clarivate.com://search-results?issn=2073-4441&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal),  
<https://www.scimagojr.com/journalsearch.php?q=21100255400&tip=sid>

**c) Articole în reviste indexate în bazele de date Web of Science și/sau Scopus de categoria Q3**

1. BOUROSH, P., COROPCEANU, E., RIJA, A., URECHE, D. (ICH), CILOCI (DESEATNIC), A., CLAPCO, S., DVORNINA, E., LABLIUC, S., BULHAC, I. (ICH). Synthesis and structures of disulfanilamideglyoxime and Ni(II) and Cu(II) complexes with this ligand stimulating the proteolytic properties of [Cu(DsamH<sub>2</sub>)<sub>3</sub>]SO<sub>4</sub>·5H<sub>2</sub>O. In: *Russian Journal of Coordination Chemistry / Koordinatsionnaya Khimiya*, 2022, vol. 1(48), pp. 41-51. DOI: <https://doi.org/10.1134/S1070328422010018>; <https://www.scopus.com/sourceid/21523>,  
<https://www.scimagojr.com/journalsearch.php?q=21523&tip=sid>

2. DANILESCU, O. (ICH), BULHAC, I. (ICH), BOUROS, P.N., CROITOR, L. Anion-assisted Fe(III)-coordination supramolecular systems based on 2,6-diacetylpyridine dihydrazone. *Polyhedron*. 2022, vol. 215, pp. 115679. <https://doi.org/10.1016/j.poly.2022.115679>; <https://www.scopus.com/sourceid/25303>, [https://ibn.idsi.md/ro/vizualizare\\_articol/150193](https://ibn.idsi.md/ro/vizualizare_articol/150193), <https://www.scimagojr.com/journalsearch.php?q=25303&tip=sid>
3. DUCA, Gh. (ICH), COVALIOV, V., COVALIOVA, O. (ICH). Novel Materials and Reactors for the Efficient Electrochemical Production of Hydrogen. *Environmental Engineering and Management Journal*, 2022, 21(6), 1037-1046. <http://www.eemj.icpm.tuiasi.ro>, <https://www.scopus.com/sourceid/12000154347>, <https://www.scimagojr.com/journalsearch.php?q=12000154347&tip=sid>
4. GULEA, A. (ICH), TODERAS, I., GARBUZ, O., ULCHINA, I., GRAUR, V. (ICH), RAILEAN, N. Biological Evaluation of a Series of Amine-Containing Mixed-Ligand Copper(II) Coordination Compounds with 2-(2-hydroxybenzylidene)-N-(prop-2-en-1-yl) hydrazinecarbothioamide. *Microscopy and Microanalysis*, 2022, pp. 1-7. <https://doi.org/10.1017/S1431927622000733>, <https://www.scopus.com/sourceid/20931>, <https://www.scimagojr.com/journalsearch.php?q=20931&tip=sid>
5. POGREBNOI, V. S. (ICH), POGREBNOI, S. I. (ICH), STINGACI, E. P. (ICH), SUCMAN, N. S. (ICH, Universitatea de Stat din Comrat), MACAEV F. Z. (ICH). Amides of Dehydroabietic Acid Based on 5-Aminooxindoles and Their Transformation Products. *Chemistry of Natural Compounds*, 2022, 58, 874–881. (FI: 0.830) <https://link.springer.com/article/10.1007/s10600-022-03820-9>, <https://www.scopus.com/sourceid/25815>, <https://www.scimagojr.com/journalsearch.php?q=25815&tip=sid>
6. POVAR, I. (ICH), SPINU, O. (ICH). Thermodynamics of complex chemical equilibria in surfactant mixtures. *Tenside Surfactants Detergents*. 2022. <https://doi.org/10.1515/tsd-2022-2473>, <https://www.scopus.com/sourceid/27081>, <https://www.scimagojr.com/journalsearch.php?q=27081&tip=sid>
7. TSYMBAL, L.V., ANDRIICHUK, I.L., LOZAN, V. (ICH), SHOVA, S., LAMPEKA, Y.D. Synthesis and crystal structure of diaqua(1,4,8,11-tetraazacyclotetradecane) zinc(II) bis(hydrogen-4-phosphonato-biphenyl-40-carboxylato)(1,4,8,11-tetraazacyclotetradecane) zinc(II). *Acta Crystallographica Section E: Crystallographic Communication*, 2022. E78, 625–628. <https://doi.org/10.1107/S2056989022004534>, [https://mjl.clarivate.com://search-results?issn=2056-9890&hide\\_exact\\_match\\_fl=true&utm\\_source=mjl&utm\\_medium=share-by-link&utm\\_campaign=search-results-share-this-journal](https://mjl.clarivate.com://search-results?issn=2056-9890&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal), <https://www.scimagojr.com/journalsearch.php?q=21100427192&tip=sid>
8. URECHE, D., BULHAC, I., SHOVA, S., BOUROS, P. Pseudomacrocyclic bis(dianilineglyoxime)cobalt(III) complexes cations: Synthesis and structures. *Russian Journal of Coordination Chemistry*, 2022, 48(6), pp. 333-343. DOI: <https://doi.org/10.1134/S1070328422060070>, <https://www.scopus.com/sourceid/21523>, <https://www.scimagojr.com/journalsearch.php?q=21523&tip=sid>
9. VÎDEA, A.-M., ALEXE, V.-E., BĂLAN, L.-L., BOGDEVICH, O. (ICH), ČERU, T., DEVIĆ, N., DOBNIKAR, M., DUDÁS, K.-M., HAJDAREVIĆ, I., HALÍŘOVÁ, J., HIKOV, A., HUMER, F., IVANIŠEVIĆ, D., JANKULÁR, M., JORDAN, G., KORET, K.,

MARJANOVIĆ, M., MARJANOVIĆ, P., MIKL, L., NICOARĂ, N., NIKOLIĆ, T., PEYTCHEVA, I., PFLEIDERER, S., REITNER, H., ŠORŠA, A., VIĆANOVIĆ, J., ULIĆ, D. Assessment of the Quality of River Sediments in Baseline National Monitoring Stations of 12 Countries in the Danube River Basin. *Carpathian Journal of Earth and Environmental Sciences*. 2022, vol. 17, No. 2, pp. 425–439; <https://doi.org/10.26471/cjees/2022/017/233>, <https://www.scopus.com/sourceid/15900154727>, <https://www.scimagojr.com/journalsearch.php?tip=sid&q=15900154727>

**d) Articole în reviste indexate în bazele de date Web of Science și/sau Scopus de categoria Q4**

1. CHUMAKOV, Y., GRAUR, V. (ICH), ULCHINA (GRAUR), Y. (ICH), SMAGLII, V., GULEA, A. (ICH), GARBUZ, O., TSAPKOV, V. Crystal structures of [N'-(2-oxidobenzylidene)-N-(prop-2-en-1-yl)-carbamohydrazonothioato (2-)](1, 10-phenanthroline) copper and [N'-(2-oxidobenzylidene)-N-(prop-2-en-1-yl)-carbamohydrazonothioato (2-)](2, 2'-bipyridine) copper hemihydrates. *Journal of Structural Chemistry*, 2022, Nr. 63 (6), pp. 905-913. <https://doi.org/10.1134/S0022476622060075>, <https://www.scopus.com/sourceid/24648>, <https://www.scimagojr.com/journalsearch.php?q=24648&tip=sid>
2. CIOCARLAN, A. (ICH). From (-)-sclareol to norlabdane heterocyclic hybrid compounds. *Chemistry Journal of Moldova*, 2022, 17(2), 30-45. <http://dx.doi.org/10.19261/cjm.2022.958>, <https://www.scopus.com/sourceid/21100773812>.
3. GORBACHEV, M. (ICH), GORINCHOY, N.(ICH), BALAN, I. (ICH). Some particularities of the reaction between antioxidant phenolic acids and the free radical ABT<sup>S++</sup>: A comparative DFT study for the gas phase and ethanol. *Chemistry Journal of Moldova*, 2022, 17(1), pp. 24-30. <http://dx.doi.org/10.19261/cjm.2021.919>, <https://www.scopus.com/sourceid/21100773812>, [http://www.cjm.asm.md/accepted\\_papers](http://www.cjm.asm.md/accepted_papers).
4. GUTSANU, V. (ICH), BAERLE, N. Interaction of L-Ascorbic Acid with Activated Carbon: Kinetic Studies and the Effect of pH. *Colloid Journal*. 2022, no. 84(3), pp. 353-363. (FI: 0.936). <https://doi.org/10.1134/S1061933X22030073>, <https://www.scopus.com/sourceid/27056>, <https://www.scimagojr.com/journalsearch.php?q=27056&tip=sid>
5. LUPAȘCU, T. (ICH), SANDU, M. The road to environmental chemistry in Republic of Moldova paved by the illustrious scientist and renowned ecologist Valeriu Ropot. *Chemistry Journal of Moldova*, 2022, no. 2(17), pp. 7-18. <http://dx.doi.org/10.19261/cjm.2022.1018>, <https://www.scopus.com/sourceid/21100773812>
6. LUPASCU, L. (ICH), PETUHOV, O. (ICH), TIMBALIUC, N. (ICH), LUPASCU, T. (ICH). Study of the Adsorption of Bacillus subtilis and Bacillus cereus Bacteria on Enterosorbent Obtained from Apricot Kernels. *C – Journal of Carbon Research*, 2022, no 8(3), 38, pp. 1-11. <https://doi.org/10.3390/c8030038>, <https://www.scopus.com/sourceid/21101170302>
7. ZVEAGHINTSEVA, M. (ICH), STINGACI, E. (ICH), POGREBNOI, S. (ICH), LUPASCU, L. (ICH), BARBA, A. (ICH), DUCA, Gh. (ICH), VALICA, V., UNCUL, L., KRAVTSOV, V. (IFA al USM), TERTEAC, D., BRINZAN, A., MACAEV, F. (ICH). Resin acids as raw material for the preparation of cyclodextrin complexes loaded with dehydroabietitoic acid and

chromenol hybrid. *Chemistry Journal of Moldova.*, 2022, 17 (2), pp. 109-119  
<http://dx.doi.org/10.19261/cjm.2022.942>, <https://www.scopus.com/sourceid/21100773812>

**e) Articole în reviste științifice indexate în alte baze de date recunoscute internațional**

1. DUCA, Gh. (ICH), COVALIOVA, O. (ICH), COVACI, E.; ROMANCIUC, L. (ICH), TAȘCA, C. Effect of bioactive additives on biomass fermentation from agro-industrial sector. *Journal of Engineering Science*, Categoria B+. 2022, 29 (3), pp. 176-188.  
[https://jes.utm.md/wp-content/uploads/sites/20/2022/10/JES-3-2022\\_10.52326-jes.utm\\_2022.293.15.pdf](https://jes.utm.md/wp-content/uploads/sites/20/2022/10/JES-3-2022_10.52326-jes.utm_2022.293.15.pdf)
2. GONȚA, M., MOCANU, L. (ICH), MATVEEVICI, V. Degradarea/mineralizarea antibioticelor în soluții apoase prin aplicarea proceselor de oxidare avansată. *Studia Universitatis Moldaviae Seria (Științe Reale și ale Naturii)*, 2022, 1(151), pp. 70-78.  
<https://zenodo.org/records/6695787>
3. GUTSANU, V. (ICH), LISA, G., BOTNARU, M. Vitamin C Interaction with Activated Carbons: Isotherms, Thermodynamics, Thermal Investigation. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Science*, 2022, no. 8(4), pp. 32-52.  
<https://doi.org/10.26479/2022.0804.04>
4. LUPASCU, T. (ICH), CIOBANU, M. (ICH), CULIGHIN, E. (ICH). Absorption of methylene blue from aqueous solutions on activated coal CAN-9: kinetics and equilibrium studies. *Romanian Journal of Ecology & Environmental Chemistry (RJECC)*, 2022, no. 4(1), pp. 22-28. <https://doi.org/10.21698/rjecc.2022.102>
5. POVAR, I. (ICH), PINTILIE, B., SPINU, O. (ICH). Dozarea cronovoltametrică indirectă a metalelor alcalino-pământoase. Contribuția savantului chimist Ion Vatamanu la dezvoltarea metodelor electrochimice de analiză. *Akademios*, 1 (64), 2022, pp. 70-80.  
<https://doi.org/10.52673/18570461.22.1-64.10>
6. ȘTEFÎRȚĂ, Anastasia (ICH), BULHAC, Ion (ICH), COCU, Maria (ICH), BRÎNZĂ, Lilia (ICH) and ZUBAREV, Vera. Exogenous optimization of the antioxidant protection capacity of plants in moderate drought conditions. *International Journal of Advanced Research (IJAR)*, 2022, 10(04), 1109-1119. <http://dx.doi.org/10.21474/IJAR01/14654>
7. TERTEAC, D., ARMAȘU, S., DEGTEARI, V., MÎDARI, A., CEBANU, V., STÎNGACI, E. (ICH), POGREBNOI, S.(ICH), SUCMAN, N.(ICH), MACAEV, F.(ICH). Cercetarea unor noi produse biologice contra principalelor boli micotice ale viței-de-vie: mana, făinarea și putregaiul-cenușiu. *Pomicultura, Viticultura și Vinificația*, 2022, nr. 2(88), pp. 31-39.  
<https://doi.org/10.53082/1857-3142.22.88.05>
8. АНДРОНАКЕ, Л., ГУЛЯ, А. (ICH), ЦАПКОВ, В., ГРАУР, В. (ICH), ПАНТЯ, В., ШВЕЦ, И., МАТЦОВСКИЙ, В., ЛЫСЫЙ, Д., БОТНАРУ, М. (ICH), ГУДУМАК, В. Координационные соединения меди(II) с производными тиосемикарбазида в качестве ингибиторов супероксидных радикалов. *Международный научно исследовательский журнал*, 2022, Nr. 1 (115), pp. 60-67. <https://research-journal.org/archive/1-115-2022-january/copperii-coordination-compounds-with-thiosemicarbazide-derivatives-as-inhibitors-of-superoxide-radicals>

**f) Articole în lucrările manifestărilor științifice indexate în alte baze de date recunoscute internațional**

1. BALAN, I. (ICH); GORBACHEV, M. (ICH); GORINCHOY, N. (ICH); ARSENE, I. Originea pseudo Jahn-Teller a barierei de energie a transferului de proton în dimerii

- protonați. *Conferința științifico-practică Internațională "Instruire prin cercetare pentru o societate prosperă", ediția a IX-a, 19-20 martie 2022, Vol. 2, Chimie, p. 43-49.* [https://ibn.idsi.md/vizualizare\\_articol/152569](https://ibn.idsi.md/vizualizare_articol/152569)
2. BLONSCHI, V. (ICH), GLADCHI, V., DUCA Gh. (ICH). Estimarea proceselor de autopurificare a apelor nistrene în prezența compușilor tiolici (perioada anilor 2015-2021). *Международная конференция «Управление трансграничным бассейном днестра и евроинтеграция – шаг за шагом», Кишинев, Молдова, 27-28 октября 2022, с. 27-31.* [https://ichem.md/sites/default/files/2024-12/Dniester-Conf-2022-Proc\\_14%20mb.pdf](https://ichem.md/sites/default/files/2024-12/Dniester-Conf-2022-Proc_14%20mb.pdf)
  3. CILOCI (DESEATNIC), A., BULHAC, I. (ICH), CLAPCO, S., URECHE, D. (ICH), DVORNINA, E., LABLIUC, S., MATROI, A. Sinteză orientată a enzimelor lipolitice la tulpina fungică *Rhizopus Arrhizus* CNMN FD 03 în cultură submersă. *Conferința științifico-practică Internațională "Instruire prin cercetare pentru o societate prosperă", ediția a IX-a, UST, 19-20 martie 2022, vol. 2, p. 80-83.* [https://ibn.idsi.md/ro/vizualizare\\_articol/152574](https://ibn.idsi.md/ro/vizualizare_articol/152574)
  4. CIOBANU, N. GH. (ICH), MACAEV F.Z. (ICH). Materiale biodegradabile si regenerabile in sinteza mijloacelor profilactice împotriva diferitelor virusuri ale plantelor agricole. *Международная научно-практическая конференция «Наука. Образование. Культура», посв. 31-ой год. Комратского государственного университета, Комрат, Молдова, 01 февраля 2022. Сборник Материалов конференции, стр. 215-218.* [https://ibn.idsi.md/vizualizare\\_articol/152957](https://ibn.idsi.md/vizualizare_articol/152957)
  5. CONDRUC, Viorica, CILOCI, Alexandra, BULHAC, Ion (ICH), CLAPCO, Steliana, COCU, Maria (ICH), BOUROSH, Polina, DVORNONA, Elena, LABLIUC, Svetlana, URECHE, Dumitru (ICH). Influența compușilor coordinativi ai bariului și stronțului asupra biosintezei amilazelor extracelulare la micromiceta *Aspergillus* CNMN FD 06. *Conferința științifico-practică Internațională "Instruire prin cercetare pentru o societate prosperă", ediția a IX-a, Chișinău, 19-20 martie 2022, vol. 2, p. 95-102.* [https://ibn.idsi.md/ro/vizualizare\\_articol/152632](https://ibn.idsi.md/ro/vizualizare_articol/152632)
  6. DANILESCU Olga (ICH, Universitatea Agrară de Stat din Moldova), CROITOR Lilia, BULHAC Ion (ICH), BOUROȘ Pavlina, COCU Maria (ICH). Arhitectura compușilor coordinativi ionici ai Fe(III) cu hidrazone în baza 2,6-diacetilpiridinei. *Conferința științifico-practică Internațională "Instruire prin cercetare pentru o societate prosperă", ediția a IX-a, 19-20 martie 2022, vol. 2, p. 115-122.* [https://ibn.idsi.md/vizualizare\\_articol/152634](https://ibn.idsi.md/vizualizare_articol/152634)
  7. GORINCIOI, E. (ICH, Universitatea de Stat din Tiraspol), TRIFAUȚAN, V. Caracterizarea materiei organice dizolvate în hidroecosistemul Valea Morilor, mun. Chișinău cu utilizarea analizei <sup>1</sup>H RMN. *Conferința științifico-practică Internațională "Instruire prin cercetare pentru o societate prosperă", ediția a IX-a, 19-20 martie 2022, vol. 2, pag. 133-137.* [https://ibn.idsi.md/vizualizare\\_articol/152637](https://ibn.idsi.md/vizualizare_articol/152637).
  8. LUPASCU, L. (ICH), PETUHOV, O. (ICH), LUPASCU, T. (ICH). Adsorption of *Bacillus cereus*, *Bacillus subtilis* and *Pseudomonas fluorescens* bacteria at different physico-chemical conditions on activated charcoal obtained from apricot husks. *Conferința științifico-practică internațională „Instruire prin cercetare pentru o societate prosperă”, ediția a IX-a, 19-20 martie 2022, vol. 2, p. 143-147.* [https://ibn.idsi.md/vizualizare\\_articol/152644](https://ibn.idsi.md/vizualizare_articol/152644)
  9. LUPAȘCU, G., MACAEV F. (ICH), GAVZER, S., LUPAȘCU, L. (ICH), CRISTEA N., ZVEAGHINȚEVA M. (ICH), STÎNGACI, E. (ICH), POGREBNOI, S. (ICH). Cercetări complexe ale activității antifungice (*Alternaria alternata*) ale derivaților vinil triazolici. *Conferința "Știința în Nordul Republicii Moldova: realizări, probleme, perspective", 20-21 mai 2022, p. 81-84.* [https://ibn.idsi.md/ro/vizualizare\\_articol/157414](https://ibn.idsi.md/ro/vizualizare_articol/157414)

10. MITINA, T. (ICH), BONDARENCO, N. (ICH), GRIGORAS, D. (ICH), LUPASCU, T. (ICH). Comparative assessment of the quality of water from artesian wells and wells in various regions of Moldova. *Scientific papers of the 20th International Scientific-Practical Conference "Resources of natural waters in Carpathian Region/Problems of protection and rational exploitation", dedicated to the 150<sup>th</sup> Anniversary of Chemical-Technological Education and Science at Lviv Polytechnic*, May 26-27, 2022 pp. 7-10. [https://ichem.md/sites/default/files/2024-12/2022\\_Lvov\\_RESOURCES%20OF%20NATURAL%20WATERS.pdf](https://ichem.md/sites/default/files/2024-12/2022_Lvov_RESOURCES%20OF%20NATURAL%20WATERS.pdf)
11. POVAR, I. (ICH), SPINU, O. (ICH). Evaluarea eficienței metodei de precipitare chimică în procesul de epurare a apelor uzate. *International Conference "Transboundary Dniester River Basin Management and EU Integration – Step by Step"*, October 27-28, 2022, pp. 188-192. [https://ichem.md/sites/default/files/2024-12/Dniester-Conf-2022-Proc\\_14%20mb.pdf](https://ichem.md/sites/default/files/2024-12/Dniester-Conf-2022-Proc_14%20mb.pdf)
12. SPATARU, P. (ICH), VISNEVSCHI, A. (ICH), SPINU, O. (ICH), PINTILIE, B., POVAR, I. (ICH). Method of concentration of the organic solids in wastewater. *Scientific papers of the 20th International Scientific-Practical Conference "Resources of natural waters in Carpathian Region/Problems of protection and rational exploitation", dedicated to the 150th Anniversary of Chemical-Technological Education and Science at Lviv Polytechnic*, 26-27 May 2022, pp. 208-211. [https://ichem.md/sites/default/files/2024-12/2022\\_Lvov\\_RESOURCES%20OF%20NATURAL%20WATERS.pdf](https://ichem.md/sites/default/files/2024-12/2022_Lvov_RESOURCES%20OF%20NATURAL%20WATERS.pdf)
13. SPATARU, P. (ICH), VISNEVSCHI, A. (ICH), SPINU, O. (ICH), PINTILIE, B., POVAR, I. (ICH). Wastewater pretreatment method to reduction of the soluble and suspended organic matter in wastewater. *Scientific papers of the 20th International Scientific-Practical Conference "Resources of natural waters in Carpathian Region/Problems of protection and rational exploitation", dedicated to the 150th Anniversary of Chemical-Technological Education and Science at Lviv Polytechnic*, 26-27 May 2022, pp. 212-215. [https://ichem.md/sites/default/files/2024-12/2022\\_Lvov\\_RESOURCES%20OF%20NATURAL%20WATERS.pdf](https://ichem.md/sites/default/files/2024-12/2022_Lvov_RESOURCES%20OF%20NATURAL%20WATERS.pdf)
14. ȘTEFÎRȚĂ, Anastasia (ICH, IGFPF), BULHAC, Ion (ICH), COCU, Maria (ICH), BRÎNZĂ, Lilia, ZUBAREV, Vera. Efectul preparatului Tiogalmet asupra activității sistemului enzimatic de protecție antioxidantă a plantelor în condiții de stres oxidativ. *Conferința științifico-practică Internațională "Instruire prin cercetare pentru o societate prosperă"*, ediția a IX-a, 19-20 martie 2022, vol. 2, p. 147-152. [https://ibn.idsi.md/ro/vizualizare\\_articol/152645](https://ibn.idsi.md/ro/vizualizare_articol/152645)
15. ȘTEFÎRȚĂ, Anastasia (ICH, IGFPF), BULHAC, Ion (ICH), VOLOȘCIUC, Leonid, COCU Maria (ICH), ZUBAREV, Vera. Posibilități de reglare exogenă a performanțelor biologice a plantelor în condiții de secetă moderată. *Conferința științifico-practică Internațională "Instruire prin cercetare pentru o societate prosperă"*, ediția a IX-a, 19-20 martie 2022, vol. 1, p. 140-146. [https://ibn.idsi.md/ro/vizualizare\\_articol/152521](https://ibn.idsi.md/ro/vizualizare_articol/152521)
16. URECHE, D. (ICH), BULHAC, I. (ICH), BOUROȘ, P. Sinteza și structura complexului bimetalic [Sr(L)3][CoII(NCS)4]. *Conferința științifico-practică Internațională "Instruire prin cercetare pentru o societate prosperă"*, ediția a IX-a, 19-20 martie 2022, vol. 2, p. 153-155. [https://ibn.idsi.md/ro/vizualizare\\_articol/152647](https://ibn.idsi.md/ro/vizualizare_articol/152647)
17. БОРОДАЕВ, Р. (ICH). Химия металлов природных вод сквозь призму корреляционного и регрессионного анализа. *Международная конференция «Управление трансграничным бассейном днестра и евроинтеграция – шаг за шагом»*, 27-28 октября 2022 г. Материалы Международной конференции, с. 39-42. [https://ichem.md/sites/default/files/2024-12/Dniester-Conf-2022-Proc\\_14%20mb.pdf](https://ichem.md/sites/default/files/2024-12/Dniester-Conf-2022-Proc_14%20mb.pdf)

18. ЛИС, Анжела (ICH), ГЛАДКИ, Виорика. Влияние гуминовых веществ на процесс сенсibilизированного фотоллиза тиомочевины. *Scientific Collection "InterConf - Scientific horizon in the context of social crises"*, Tokyo, Japan, 16-18 septembrie 2022, vol. 124, pp. 155-165. <https://archive.interconf.center/index.php/conference-proceeding/article/view/1310>. <https://archive.interconf.center/index.php/conference-proceeding/article/view/1310/1337>.
19. СУКМАН, Н. (ICH, Universitatea de Stat din Comrat). Поиск условий для стереоселективного синтеза спиро[оксиндол-циклопропанов] и оценка их противовирусной активности в отношении вирусов бронзовости томата, табачной и огуречной мозаики. *Международная научно-практическая конференция «Наука, образование, культура», посвященная 31-ой годовщине Комратского государственного университета*. Сборник статей, 2022, том I (Экономические науки; Сельское хозяйство и перерабатывающая промышленность; Информационные технологии, математика и физика; Право и политические науки), Комрат, 2022, pp 305-308. [https://ibn.idsi.md/ro/vizualizare\\_articol/152860](https://ibn.idsi.md/ro/vizualizare_articol/152860)
20. СУКМАН, Н. (ICH, Universitatea de Stat din Comrat). Синтез спирооксиндолов с антивирусной активностью. 9th edition *International Scientific-Practical Conference "Training by research for a prosperous society"*, Volumul II, Кишинэу, 2022, pp 157-159. [https://ibn.idsi.md/ro/vizualizare\\_articol/152648](https://ibn.idsi.md/ro/vizualizare_articol/152648)
21. ЯЛТЫЧЕНКО, О.В., ДУКА, Г.Г. (ICH), ГОРИНЧОЙ, Н.Н. (ICH). Моделирование кинетики иммунной реакции организма на вирусную нагрузку. *The 13th International scientific and practical conference "Modern directions of scientific research development"*, June 15-17 2022, p. 65-70. <https://sci-conf.com.ua/wp-content/uploads/2022/06/MODERN-DIRECTIONS-OF-SCIENTIFIC-RESEARCH-DEVELOPMENT-15-17.06.22>.

**g) Articole în reviste din Registrul National al revistelor de profil, cu indicarea categoriei**

- Categoria B

1. ARSENE, I., COROPCEANU, E., PURCEL, V. DFT study of condensation mechanisms of 4-pyridinecarboxaldehyde with o-, m-, p-aminobenzoic acids. In: *Acta et Commentationes, Exact and Natural Sciences*, vol. 1(13), 2022, p. 122–131, DOI: 13.36120/2587-3644.v13i1.31-39, E-ISSN: 2587-3644 ISSN: 2537-6284.
2. CHIRAC, G., CODREANU, S. Synthesis and study of coordinating agents for the synthesis of new coordination compounds. In: *Acta et Commentationes, Exact and Natural Sciences*, vol. 1(13), 2022, p. 100–109, DOI: 13.36120/2587-3644.v13i1.31-39, E-ISSN: 2587-3644 ISSN: 2537-6284.
3. DUCA, Gh.; COVALIOVA, O.; COVACI, E.; ROMANCIUC, L.; TAȘCA, C. Effect of bioactive additives on biomass fermentation from agro-industrial sector. In: *Journal of Engineering Science*, Cat. B+. 2022, 29 (3), pp. 176-188. [https://doi.org/10.52326/jes.utm.2022.29\(3\).15](https://doi.org/10.52326/jes.utm.2022.29(3).15).
4. EREMIA, N., CATARAGA, I., COȘELEVA, O., POGREBNOI, S., MACAEV, F. Hrănirea stimulatorie a albinelor cu chitosan natural polidispers. În: *Academos*. 2021, vol. 4(63), pp. 82-86. ISSN 1857-0461. E-ISSN 2587-3687. DOI: <https://doi.org/10.52673/18570461.21.4-63.10>.

5. GONȚA, M., MOCANU, L., MATVEEVICI, V. Degradarea/mineralizarea antibioticelor în soluții apoase prin aplicarea proceselor de oxidare avansată. În: *Studia Universitatis Moldaviae Seria (Științe Reale și ale Naturii)*, 2022, 1(151), pp. 70-78. ISSN 1814-3237. 10.5281/zenodo.66957872022 .
  6. LOZINSCHI, I., COROPCEANU, E. Impactul abordării inter- și transdisciplinare a conținuturilor la biologie și chimie asupra formării competenței antreprenoriale și spiritului de inițiativă la elevi. In: *Acta et commentationes. Științe ale Educației*. 2022, nr. 2, pp. 7-21.
  7. LUPASCU, T., ARICU, A. Predestinat cercetării și dezvoltării. Academicianul Gheorghe Duca la 70 de ani. In: *Akadosmos*, 2022, nr.1(64), pp. 155-157. [http://akadosmos.asm.md/files/155-157\\_0.pdf](http://akadosmos.asm.md/files/155-157_0.pdf).
  8. LUPASCU, T., CIOBANU, M., PETUHOV, O. Explanation of appearance inflection points of strontium ions isotherms adsorption on CAN-7 and CAN-8 oxidized activated carbons. In: *Studia Universitatis Moldaviae. Seria Științe Reale și ale Naturii*. 2021, nr. 6(146), pp. 109-114. ISSN 1814-3237, <https://doi.org/10.5281/zenodo.5701806>. (nu a fost inclus în raportul pentru a. 2021).
  9. MITINA, T., BONDARENCO, N., GRIGORAȘ, D., LUPAȘCU, T. Aplicarea metodei WQI în studiul calității apelor subterane din raionul Căușeni. In: *Akadosmos*, 2021, nr. 4, pp. 75-81. CZU: 543.3:628.1.036, <https://doi.org/10.52673/18570461.21.4-63.09>. (nu a fost inclus în raportul pentru a. 2021).
  10. POVAR, I., PINTILIE, B., SPINU, O. Dozarea cronovoltametrică indirectă a metalelor alcalino-pământoase. Contribuția savantului chimist Ion Vatamanu la dezvoltarea metodelor electrochimice de analiză. In: *Akadosmos*. 2022, vol. 1, pp. 70-80. ISSN 1857-0461. <https://doi.org/10.52673/18570461.22.1-64.10>.  
[https://ibn.idsi.md/sites/default/files/imag\\_file/70-80\\_7.pdf](https://ibn.idsi.md/sites/default/files/imag_file/70-80_7.pdf).
  11. ROTARI, N., COȘCODAN, E. CHIȘCA, D. Actual applications of infrared spectrophotometry indetermining the quality of daily products. In: *Acta et Commentationes, Exact and Natural Sciences*, vol. 1(13), 2022, p. 31–39, DOI: 13.36120/2587-3644.v13i1.31-39, E-ISSN: 2587-3644 ISSN: 2537-6284.
  12. ȘTEFÎRȚĂ, A., BULHAC, I., VOLOȘCIUC, L., BRÎNZĂ, L. Efectul unor compuși de tip citokininic asupra capacității de autoreglare a status-ului apei plantelor în condiții de variație nefavorabilă a umidității și stres hidric repetat. În: *Buletinul AȘM. Științele vieții*, 2021, nr. 1 (343), pp. 50-60. ISSN 1857-064X. [https://ibn.idsi.md/sites/default/files/j\\_nr\\_file/Buletin%20%C8%98tiin%C8%9Bele%20vie%C8%9Bii%201-2021-final.pdf\\_bun.pdf](https://ibn.idsi.md/sites/default/files/j_nr_file/Buletin%20%C8%98tiin%C8%9Bele%20vie%C8%9Bii%201-2021-final.pdf_bun.pdf) (nu a fost inclus în raportul pentru a. 2021)
  13. ȘTEFÎRȚĂ, A., VOLOȘCIUC, L., BRÎNZĂ L., BUCEACEAIA S., ALUCHI, N. Caracteristica unor soiuri de soia după caracterul „cros-toleranță”. În: *Buletinul AȘM. Științele vieții*, 2021, nr. 1 (343), p. 70-78. ISSN 1857-064X. [https://ibn.idsi.md/sites/default/files/j\\_nr\\_file/Buletin%20%C8%98tiin%C8%9Bele%20vie%C8%9Bii%201-2021-final.pdf\\_bun.pdf](https://ibn.idsi.md/sites/default/files/j_nr_file/Buletin%20%C8%98tiin%C8%9Bele%20vie%C8%9Bii%201-2021-final.pdf_bun.pdf) (nu a fost inclus în raportul pentru a. 2021).
- *Categoria C*
1. ЯЛТЫЧЕНКО, О. В., КАНАРОВСКИЙ, Е. Ю. Учёт синергии витаминов Е и С в кинетической модели перекисного окисления липидов. В: *Журнал «Электронная обработка материалов»*, 2022, 58(5), p. 44-50. DOI: <https://doi.org/10.52577/eom.2022.58.5.44>.