

Lista articolelor științifice publicate în anul 2020

– articole din reviste cu factor de impact:

• articole din reviste cu factor de impact mai mare ca 3

1. BEJAN, D.; BAHNIN, L.-G.; SHOVA, S.; MARANGOCI, N.L.; KOKCAM-DEMIR, U.; LOZAN, V.; JANIAC, C. New microporous lanthanide organic frameworks. Synthesis, structure, luminescence, sorption, and catalytic acylation of 2-naphthol. In: *Molecules*. 2020, 25, 3055. doi:10.3390/molecules25133055 (IF: 3.267).
2. LUPAȘCU, Tudor; PETUHOV, Oleg; ȚIMBALIUC, Nina; CIBOTARU, Silvia; ROTARU, Andrei. Adsorption Capacity of Vitamin B12 and Creatinine on Highly-Mesoporous Activated Carbons Obtained from Lignocellulosic Raw Materials. In: *Molecules*, 2020, 25(13), 3095. <https://doi.org/10.3390/molecules25133095> - 07 Jul 2020 (IF: 3.589).
3. ZINICOVSCAIA, Inga; SAFONOV, Alexey; BOLDYREV, Kirill; GUNDORINA, Svetlana; YUSHIN, Nikita; PETUHOV, Oleg; POPOVA, Nadejda. Selective metal removal from chromium-containing synthetic effluents using *Shewanella xiamenensis* biofilm supported on zeolite. In: *Environ Sci. Pollut. Res.*, 2020, 27, 10495–10505. <https://doi.org/10.1007/s11356-020-07690-y> (IF: 3.306).

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

1. DUCA, Gh.; COVALIOV, V.; COVALIOVA, O. Production, Structure and Photocatalytic Properties of Nanotubular TiO₂. In: *Environmental Engineering and Management Journal*. 2020, 19(1), p. 1-10. – ISSN: 582-9596 (FI: 2.3)
2. POVAR, Igor; ZINICOVSCAIA, Inga; UBALDINI, Stefano; SPINU, Oxana; PINTILIE, Boris; LUPASCU, Tudor; DUCA, Gheorghe. Thermodynamic analysis of heavy metals precipitation for their recovery from industrial wastewaters. In: *Environmental Engineering and Management Journal*, 2020, v. 19, no. 2, 281-288. (IF:1.334).
3. ROTARU, A., VLASE, T., BUDRUGEAC, P., PETUHOV, O. Recent developments in the field of Thermal Analysis and Calorimetry in Romania and Republic of Moldova. In: *Journal of Thermal Analysis and Calorimetry*, 2020. <https://doi.org/10.1007/s10973-020-09938-8>. (IF: 2.325).
4. STINGACI, E.; ZVEAGHINTEVA, M.; POGREBNOI, S.; LUPASCU, L.; VALICA, V.; UNCU, L.; SMETANSCAIA, A.; DRUMEA, M.; PETROU, A.; CIRIC, A.; GLAMOCLIIA, J.; SOKOVIC, M.; KRAVTSOV, V.; GERONIKAKI, A.; MACAEV, F. New vinyl-1,2,4-triazole derivatives as antimicrobial agents: Synthesis, biological evaluation and molecular docking studies. In: *Bioorganic and Medicinal Chemistry Letters*. 2020, 30 (17), 127368. <https://doi.org/10.1016/j.bmcl.2020.127368> (IF: 2.448).
5. ZINICOVSCAIA, I.; GUNDORINA, S.; VERGEL, C.; GROZDOV, D.; CIOCARLAN, A.; ARICU, A.; DRAGALIN, I.; CIOCARLAN, N. Elemental analysis of Lamiaceae medicinal and aromatic plants growing in the Republic of Moldova using neutron activation analysis, In: *Phytochemistry Letters*. 2020, nr.35, pp. 119–127.(IF: 1.338).
6. АРЬКУ, А.Н.; КУЧКОВА, К.И.; СЕКАРА-КУШНИР, Е.С.; БАРБА, А.Н.; УНГУР, Н.Д.; ВОРНИКУ, Н. Синтез и антимикробная активность новых дримановых и гомодримановых сесквитерпеноидов с оксадиазольными и тиadiaзольными фрагментами. В: *Химия Природных Соединений*, 2020, Nr. 4, pp. 569-574. (IF: 1.029).

7. LOZOVAN, V.; KRAVTSOV, V. CH.; COROPCEANU, E. B.; SIMINEL, V.; KULIKOVA, O. V.; COSTRIUCOVA, N. V.; FONARI, M. S. Water-sulfate anion interplay in the evolution of solid state architectures and emission properties of Zn and Cd coordination networks with four azine ligands, In: *Journal of Solid State Chemistry*, 2020, 286, p. 121312 (IF:2.726).

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

1. DANILESCU, O., BULHAC, I., SHOVA, S., NOVITCHI, G., BOUROSCH, P. Synthesis, structure and properties of coordination compounds of copper(II) with Schiff bases, obtained on the base of aromatic carbonyl compounds and hydrazides of carboxylic acids. In: *Russian Journal of Coordination Chemistry*. 2020, vol. 43(1), pp. 21-36 (0.748).

-**articole în alte reviste editate în străinătate**

1. DUCA, Gh.; LUPAȘCU, T.; GONTA, A.; POVAR, I.; TIMBALIUC, N.; LUPAȘCU, L. Enhanced biomedical properties of chitosan-Enoxil films. In: *Farmacia*, 2019, 67 (6), 1048-1053. ISSN 1810-6455. <https://doi.org/10.31925/farmacia.2019.6.16>.
2. DUCA, Gh.; TRAVIN, S.O. Reactions' Mechanisms and Applications of Hydrogen Peroxide. In: *American Journal of Physical Chemistry*. 2020, 9(2). ISSN: 2327-2430 (Print); ISSN: 2327-2449 (Online). pp. 36-44. doi:10.11648/j.ajpc.20200902.13.

-**articole în alte reviste**

1. POVAR, I.; SPATARU, P.; SPINU, O.; MAFTULEAC, A.; BUZILA, S. O soluție ecologică și economică pentru apele uzate și nămolurile cu miros neplăcut. In: <http://natura.md/index.php/revista-natura>.

- **articole în culegeri internaționale**

1. POVAR I.; SPINU, O. Thermodynamic method for calculating mineral equilibrium. In: Proceeding of the *International Scientific Ecological Conference "Agricultural landscapes, their sustainability and developmental features"*, March 24–26, 2020, Krasnodar, Russia.
2. ПОВАР, И.; СПИНУ, О.; ПИНТИЛИЕ Б. Термодинамический анализ распределения растворимых и нерастворимых частиц меди (I) и меди (II) в системах содержащих тиосульфат и аммоний. В: *Научно-практическая конференция с международным участием и элементами школы молодых ученых «Перспективы развития металлургии и машиностроения с использованием завершенных фундаментальных исследований и НИОКР»*, 06 – 09 октября 2020, Екатеринбург, Россия.

- **articole în culegeri naționale**

1. BOGDEVICH, O.; MELNICENCO, E.; IORDANOV, R.; CADOCINICOV, O.; CULIGHIN E.; NICOLAU, E. The characteristic of old pesticide storages contaminated by POPs substance situated close to Nistru River bank. In: *Conferința internațională "Биогеохимические инновации в условиях коррекции техногенеза биосферы"*, dedicata 125 de ani a academicianului A.P. Vinogradov și 90 de ani de la crearea Universității din Transnistria, 5-7 Noiembrie 2020.