

Publications 2024

1. *New cyanido-bridged iron(II) spin crossover coordination polymers with an unusual ladder-like topology: an alternative to Hofmann clathrates*, D. Visinescu, S.I. Shylin, S. Shova, G. Novitchi, D.-L. Popescu, M.-G. Alexandru, *Dalton Trans.*, **2024**, 53(21), 9062-9071.
2. *Mixed-ligand mononuclear complexes obtained from salicylaldehyde and phenanthroline. Synthesis, crystal structures, and luminescence*, D. Dragancea, T. Mocanu, S. Avram, M. Raduca, C. Tiseanu, M. Andruh, *Polyhedron*, **2024**, 252, 116886.
3. *The Development of Nanomaterials in Adsorption, Separation and Purification*, D.C. Culita, *Nanomaterials*, **2024**, 14(20), 1660 (Editorial).
4. *Two new 2p–3d metal complexes with a nitronyl-nitroxide ligand derived from o-vanillin: synthesis, crystals structures and magnetic properties*, C. A. Spinu, D. O. T. A. Martins, T. Mocanu, M. Hillebrand, J.-P. Sutter, F. Tuna, M. Andruh, *Magnetochemistry*, **2024**, 10(11), Article number 86.
5. *Effects of ultrasounds and microwaves on the morphology and absorption capacity of calcium alginate*, C.M. Simonescu, P. Chipurici, I. Calinescu, M. Vinatoru, E.N. Toma, D.C. Culita, V.L. Ene, T.J. Mason, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2024**, 682, 132906.
6. *Competitive adsorption of aqueous Cd(II) and Pb(II) solutions onto silicas synthesized with saponin as template agent*, C.M. Simonescu, F. Dumitru, B. Zarnescu, D.C. Culita, A. Razvan, O. Oprea, R. Trusca, E. Vasile, *Journal of Composites Science*, **2024**, 8, 227.
7. *Honey-Derived Hydrochar Containing 2,2,6,6-tetramethylpiperidine-1-oxyl Free Radical for Degradation of Aqueous Organic Pollutants*, G. Patrinoiu, A.M. Musuc, J.M., Calderon-Moreno, M. Florea, F. Neatu, P. Ionita, *Environ. Process.*, **2024**, 11, 60.
8. *Unexpected rearrangement of phenoxypicramide to 1,3-dinitro-10H-phenoxazine*, A.T. Balaban, M. Ferbinteanu, E. Hristea, R. Baratoiu, P. Ionita, *Rev. Roum. Chim.*, **2024**, 69 (5-6), 331-336.
9. *Evaluation of biological properties of some nitrobenzofurazan derivatives containing a sulfide grup*, R.D. Baratoiu-Carpen, M. Bem, L. Matei, C. Bleotu, *Rev. Roum. Chim.*, **2024**, accepted.