

L u c r ă r i  î n  r e v i s t e

1. Bobirică L., **Bobirică C.**, Lupu G.L., Orbeci C. Influence of Operating Parameters on Photocatalytic Oxidation of 2,4-Dichlorofenol in Aqueous Solution by TiO<sub>2</sub>/Stainless Steel Photocatalytic Membrane. *Applied Sciences*, 11 (24), 2021. DOI: 10.3390/app112411664, 000735755300001.
2. Matei E., Râpă M., Predescu A.M., Țurcanu A.A., Vidu R., Predescu C., Bobirică C., Bobirică L., Orbeci C. Valorization of agri-food wastes as sustainable eco-materials for wastewater treatment: Current state and new perspectives. *Materials*, 14 (16), 2021. DOI: 10.3390/ma14164581, WOS:000689458700001
3. Bobirică L., **Bobirică C.**, Orbeci C. Examination of Photocatalyzed Chlorophenols for Sequential Photocatalytic-Biological Treatment Optimization. *Catalysts*, 10 (9), 985, 2020. DOI: 10.3390/catal10090985, WOS:000580907200001.
4. **Bobirică C.**, Orbeci C., Bobirică L., Palade P., Deleanu C., Pantilimon M.C., Pirvu C., Radu I.C. Influence of red mud and waste glass on the microstructure, strength, and leaching behavior of bottom ash-based geopolymers composites. *Scientific Reports*, 10, 19827, 2020. DOI 10.1038/s41598-020-76818-4, WOS 000594649000011.
5. **Bobirică C.**, Bobirică L., Râpă M., Matei E., Predescu A.M., Orbeci C. Photocatalytic Degradation of Ampicillin Using PLA/TiO<sub>2</sub> Hybrid Nanofibers Coated on Different Types of Fiberglass. *Water*, 12 (1), 176, 2020. <https://doi.org/10.3390/w12010176>, WOS:000519847200176.
6. Muhuleț A., Tuncel C., Miculescu F.E., Pandele A.M., **Bobirică C.**, Orbeci C., Bobirică L., Palla-Papavlu A., Voicu S.I. Synthesis and characterization of polysulfone-TiO<sub>2</sub> decorated MWCNT composite membranes by sonochemical method, *Applied Physics A: Materials Science and Processing*. 126, 233, 2020. <https://doi.org/10.1007/s00339-020-3408-9>, WOS:000516564000001.
7. Modroğan, C., Pandele A.M., **Bobirică C.**, Dobrotă D., Dăncilă A.M., Gărleanu G., Orbuleț O.D., Borda C., Gărleanu D., Orbeci C. Synthesis, Characterization and Sorption Capacity Examination

- for a Novel Hydrogel Composite Based on Gellan Gum and Graphene Oxide (GG/GO). *Polymers*, 12 (5), 1182, 2020. DOI: 10.3390/polym12051182, WOS:000541431100187.
- 8. Dăncilă A.M., Căprărescu S., **Bobirică C.**, Purcar V., Gârleanu G., Vasile E., Modrogean C., Borda C., Dobrotă D. Optimization of the Technological Parameters for Obtaining Zn-Ti Based Composites to Increase the Performance of H<sub>2</sub>S Removal from Syngas. *Processes*, 8 (5), 562, 2020. <https://doi.org/10.3390/pr8050562>, WOS:000541752600004.
  - 9. Orbuleț, O.D., Modrogean, C., Orbeci, C., Dancilă, M.A., **Bobirică C.**, Bobirică, L., Vasile, E. Influence of Sulfonation of Inert Macroporous and Macronet Resins on the SO<sub>2</sub> Adsorption Capacity. *Water, Air, and Soil Pollution*, 229 (12), 2018, DOI: 10.1007/s11270-018-4041-5, WOS:000451653000001.
  - 10. **Bobirică C.**, Shim J.-H., Park J.-Y. Leaching behavior of fly ash-waste glass and fly ash-slag-waste glass-base geopolymers. *Ceramics International*, 44, (6), 5886–5893, 2018. DOI 10.1016/j.ceramint.2017.12, WOS:000427215100010.
  - 11. **Bobirică C.**, Long D.T., Parsons M.J., Stănescu R., Voice T.C. Examination of the influence of dissolved halite (NaCl) on the leaching of lead (Pb) from cement-based solidified wastes. *Journal of Materials Cycles and Waste Management*, 20 (1), 59–70, 2018. doi:10.1007/s10163-016-0552-6, WOS:000419896500005.
  - 12. Modrogean C., Orbuleț O.D., Orbeci C., **Bobirică C.**, Dăncilă M.A. Removal of manganese from groundwater by adsorption on gellan gum/Fe<sub>3</sub>O<sub>4</sub> composite. *International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*, 18 (5.1), 705–712, 2018. DOI: 10.5593/sgem2018/5.1/S20.091.
  - 13. **Bobirică C.**, Shim J.-H., Pyeon J.-H., Park J.-Y. Influence of waste glass on the microstructure and strength of inorganic polymers, *Ceramics International*, 41, 13638–13649, 2015. DOI: 10.1016/j.ceramint.2015.07.160, WOS:000362860900138.
  - 14. **Bobirică C.**, Dabija G., Bobirică L., Mihai M., Costache C. Performance evaluation of anionic polymer-cationic surfactant complex coagulants in wastewater treatment. *Environmental Engineering and Management Journal*, 13 (8), 2045–2050, 2014. DOI: 10.30638/eemj.2014.227, WOS:000345902900025.
  - 15. **Bobirică C.**, Bobirică L., Dabija G., Mihai M. Physicochemical and rheological characterization of complex coagulants derived from weak and medium anionic polymers and medium cationic surfactant. *Environmental Engineering and Management Journal*, 11 (1), 29–35, 2012. DOI:10.30638/eemj.2012.005. WOS: 000301546400005.

- 16.** Bobirică C., Bobirică L., Stănescu R., Constantinescu I. Leaching behavior of cement-based solidified wastes containing hexavalent chromium. *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, 72 (1), 121–128, 2010.
- 17.** Bobirică C., Bobirică L., Stănescu R., Constantinescu I. Leaching of copper from cement-based waste materials. *Environmental Engineering and Management Journal*, 8 (5), 1135–1139, 2009. DOI: 10.30638/eemj.2009.165, WOS: 000272499300018.
- 18.** Bobirică C., Bobirică L., Stănescu R., Constantinescu I. Immobilization mechanisms of chromium in cement-based solidified waste. *Environmental Engineering and Management Journal*, 8 (4), 759–763, 2009. DOI:10.30638/eemj.2009.106, WOS000269811500023.
- 19.** Călinescu I., Chipurici P., Iliuță I., Trifan A., Stănescu R., Bobirică C., Niculae D., Mititeanu L. Conversion of the solid drilling wastes in useful materials. *Ovidius University Annals of Chemistry, Chemistry Series*, 2 (18), 160–164, 2007.
- 20.** Bobirică C., Bobirică L., Costache C. Dissolved air flotation applied for chrome removal from waste solution. *Environmental Engineering and Management Journal*, 5, 1079–1084, 2006. DOI:10.30638/eemj.2006.084.