

A. **Lucrări indexate/cotate ISI publicate în ultimii 10 ani**

1. Cirstea N.F., **Badanoiu Alina.**, Voicu G., Nicoara A.I., Waste glass recycling in magnesium phosphate coatings for the fire protection of steel structures, Journal of Building Engineering, Volume 76, 2023, 107345, ISSN 2352-7102.
2. Cirstea, N.F.; **Badanoiu, Alina**; Boscornea, A.C. Intumescent Silicate Coatings with the Addition of Alkali-Activated Materials. *Polymers* 2022, *14*, 1937.
3. Cirstea, N.F.; **Badanoiu, Alina**; Voicu, G.; Ciocoiu, R.C.; Boscornea, A.C. Fire Behavior and Adhesion of Magnesium Phosphate Coatings for the Protection of Steel Structures. *Appl. Sci.* 2022, *12*, 12620.
4. **Badanoiu, Alina.**; Moanță, A.; Dumitrescu, O.; Nicoară, A.I.; Trușcă, R. Waste Glass Valorization as Raw Material in the Production of Portland Clinker and Cement. *Materials* 2022, *15*, 7403.
5. Georgeta Voicu, Georgiana-Andreea Tiuca, **Alina Badanoiu**, Alina-Maria Holban, Nano and mesoscopic SiO₂ and ZnO powders to modulate hydration, hardening and antibacterial properties of portland cements, Journal of Building Engineering, Volume 57, 2022,104862, ISSN 2352-7102
6. Nicoara A.I., **Badanoiu Alina.** Influence of Alkali Activator Type on the Hydrolytic Stability and Intumescence of Inorganic Polymers Based on Waste Glass, MATERIALS, Volume 15, Issue 1, January-1 2022, Article number 147
7. Oproiu, Carmen-Lidia, Voicu, Georgeta, **Badanoiu, Alina**, Nicoara, Adrian-Ionut, The Solidification/Stabilization of Wastewater (From a Landfill Leachate) in Specially Designed Binders Based on Coal Ash, MATERIALS, Volume 14, Issue 19, Article Number 5610, Published OCT 2022
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10. Parvan, Marius-George, Voicu, Georgeta, **Badanoiu, Alina**, Nicoara, Adrian-Ionut, Vasile, Eugeniu, CO₂ Sequestration in the Production of Portland Cement Mortars with Calcium Carbonate Additions NANOMATERIALS, 11 (4), 875, APR 2021
11. Dima, Cristina, **Badanoiu, Alina**, Cirstea, Silviu, Nicoara, Adrian Ionut, Stoleriu, Stefania, Lightweight Gypsum Materials with Potential Use for Thermal Insulations MATERIALS, Volume 13, Issue 23, Article Number 5454, DEC 2020
12. Nicoara, Adrian Ionut; **Badanoiu, Alina**; Voicu, Georgeta; Dinu, Cristian, Ionescu, Andrei, Intumescent coatings based on alkali-activated borosilicate inorganic polymers, JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, Volume: 17, Issue: 3, Pages: 681-692, MAY 2020
13. Barbulescu, Laura Eugenia; Dumitriu, Cristina; Dragut, Dumitru Valentin; Nicoara, Adrian; **Badanoiu, Alina**; Pirvu, Cristian, Residual titanium flakes as a novel material for retention and recovery of rare earth and relatively rare earth elements, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 27, Issue: 4, Pages: 4450-4459, FEB 2020
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18. Dima, Cristina; **Badanoiu, Alina**, Stoleriu, Stefania; Luca, Diana, Influence of Various Types of Waste on the Main Properties of Gypsum Based Composites for Thermal Insulations, REVISTA DE CHIMIE, Volume: 70, Issue: 5, Pages: 1750-1753, MAY 2019
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