

Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: **de Inginerie Chimică și Biotehnologii**

Departamentul: **Știința și Ingineria Materialelor Oxidice și Nanomaterialelor**

Nume Prenume: STOLERIU Stefania

Gradul didactic: Profesor

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Lianți silicatici (aluminosilicatici) cu activare combinată - 12 mai 2006, Universitatea POLITEHNICA din București

B. Cărți și capitole în cărți publicate în ultimii 10 ani

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C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Badanoiu, A.-I., **Stefania Stoleriu**, Caroccea, A.-C., Eftimie, M.-A., Trusca, R. - Influence of Synthesis Route on Composition and Main Properties of Mullite Ceramics Based on Waste, *Materials*, 2025, 18(5), 1098
2. Voicu, G., Badanoiu, A.-I., **Stefania Stoleriu**, Nicoara, A.-I., Holban, A.-M. - Portland Cement Pastes and Mortars with Antibacterial Properties, *Journal of Composites Science*, 2024, 8(11), 445
3. Saca, N., Radu, L., **Stefania Stoleriu**, Dobre, D., Calotă, R., Trușcă, R. - Investigation of Physical-Mechanical Properties and Microstructure of Mortars with Perlite and Thermal-Treated Materials, *Materials*, 2024, 17(14), 3412
4. Gologan D, Stefan AE, Militaru M, Sanda AC, Arjan S, **Ștefania Stoleriu**, et al. - The influence of clarifying agents on residual water content in paraffin embedded tissue samples, *University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science*, 2023, 85(3), pp. 83-96.
5. Podaru IA, Stanescu PO, Ginghin R, **Ștefania Stoleriu**, Tric B, Somoghi R, et al. - Poly(n-vinylpyrrolidone)-laponite xlg nanocomposite hydrogels: Characterization, properties and comparison with divinyl monomer-crosslinked hydrogels, *POLYMERS*, 2022, 14(19), pp.
6. Marin BC, Voicu G, **Ștefania Stoleriu** - Synthesis of high-performance CSA cements as low carbon opc alternative, *MATERIALS*, 2021, 14(22), pp.
7. Dima C, Badanoiu A, Cirstea S, Nicoara AI, **Ștefania Stoleriu** - Lightweight gypsum materials with potential use for thermal insulations, *MATERIALS*, 2020, 13(23), pp.
8. **Ștefania Stoleriu**, Lungu C, Ghitulica CD, Surdu A, Voicu G, Cucuruz A, et al. - Influence of dopant nature on biological properties of zno thin-film coatings on ti alloy substrate, *Nanomaterials*, 2020, 10(1), pp.

9. **Ștefania Stoleriu**, Vlasceanu IN, Dima C, Badanoiu AI, Voicu G - Alkali activated materials based on glass waste and slag for thermal and acoustic insulation, *Materiales De Construcción*, 2019, 69(335), pp.
10. Dima C, Badanoiu A, **Ștefania Stoleriu**, Luca D - Influence of various types of waste on the main properties of gypsum-based composites for thermal insulations, *Revista De Chimie*, 2019, 70(5), pp. 1750-3.
11. Dima C, Badanoiu A, **Ștefania Stoleriu**, Luca D - Valorization of ash resulted from the combustion of hydrocarbon-containing residues from petroleum industry in the manufacture of inorganic binders with calcium sulfate content, *Revista Romana De Materiale-Romanian Journal of Materials*, 2018, 48(4), pp. 450-7.
12. Dima C, Badanoiu A, **Ștefania Stoleriu**, Danes C - Composite materials based on gypsum plaster and industrial wastes, *Revista Romana De Materiale-Romanian Journal of Materials*, 2018, 48(2), pp. 147-53.
13. Al Saadi T.H.A., Badanoiu A.I., Nicoara A.I., **Ștefania Stoleriu**, Voicu G. - Synthesis and properties of alkali activated borosilicate inorganic polymers based on waste glass, *Construction and Building Materials*, 2017, 136, pp. 298-306. F.I. = 2.265
14. Busuioc AD, Ciovetica I, **Ștefania Stoleriu**, Enculescu M, Evanghelidis A, Visan T - Morphological and optical properties of electrospun SnO₂ fibers, *Digest Journal of Nanomaterials and Biostructures*, 2017, 12(4), pp. 1097-105.
15. Busuioc AD, Enuta R, **Ștefania Stoleriu**, Visan T – SnO₂ based ceramics for gas sensors, *Revista Romana De Materiale-Romanian Journal of Materials*, 2017, 47(4), pp. 419-24.
16. Busuioc AD, Enuta R, **Ștefania Stoleriu**, Oprea O, Visan T – SnO₂ powders doped with La³⁺ or V⁵⁺, *Revista Romana De Materiale-Romanian Journal of Materials*, 2017, 47(3), pp. 293-7.
17. **Stoleriu, Ștefania**, Craciun, M.E., Tabacaru, A.S., Oprea, O. - Obtaining and characterization of alumina ceramic filters, *Revista de Chimie*, 2016, 67(7), pp. 1397-1400. F.I. = 0.311
18. Badanoiu A., Al Saadi T., **Ștefania Stoleriu**, Voicu G. - Preparation and characterization of foamed geopolymers from waste glass and red mud, *Construction and Building Materials*, 2015, 84, pp: 284-293. F.I. = 2.265
19. Abood Al-Saadi TH, Badanoiu A, **Ștefania Stoleriu**, Voicu G, Eftimie M - Mechanical properties and hydrolytic stability of geopolymers based on white waste glass. Influence of thermal treatment, *University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science*, 2015, 77(4), pp. 15-28.
20. Al-Saadi THA, Badanoiu A, **Ștefania Stoleriu**, Voicu G - Effect of alkaline activator on the main properties of geopolymers based on cullet glass and red mud, *Revista Romana De Materiale-Romanian Journal of Materials*, 2015, 45(2), pp. 138-46.
21. Gionea A., Andronescu E., Surdu V.A., Trușcă R., Ilie A., **Ștefania Stoleriu** - Influnece of Y₂O₃ dopant concentration on zirconia ceramics characteristics sintered through hot isostatic pressing, *Romanian Journal of Materials*, 2015, 45 (4), pp. 348-353. F.I. = 0.563
22. Meliță D, Cojocaru A., Trușcă R., **Ștefania Stoleriu** - New approach for partially oxidized zirconium obtaining via electrochemical anodic dissolution, *Romanian Journal of Materials* 2015, 45 (3), 272-281. F.I. = 0.563

23. Badanoiu A., Al Saad T., **Ștefania Stoleriu**, Voicu G. - Preparation and characterization of foamed geopolymers from waste glass and red mud, *Construction and Building Materials*, 2015, 84, 6433, pp. 284-293. F.I. = 2.265
24. Al-Saadi, T.H.A., Bădănoiu, A., **Ștefania Stoleriu**, Voicu, G. - Effect of alkaline activator on the main properties of geopolymers based on cullet glass and red mud, *Romanian Journal of Materials*, 2015, 45 (2), pp. 138-146. F.I. = 0.563
25. Ioan, L., Teodorescu, M., Stănescu, P.O., Drăghici, C., Zaharia, A., Sârbu, A., **Ștefania Stoleriu** - The Effect of Hydrophilic Bentonite Nanoclay on the Thermogelation Properties of Poly(N-isopropylacrylamide)-poly(ethylene glycol)-poly(N-isopropylacrylamide) Triblock Copolymer Aqueous Solutions, *Journal of Macromolecular Science, Part B: Physics*, 2015, 54 (3), pp. 316-328. F.I. = 0.740
26. Purcel G., Surdu A., **Ștefania Stoleriu** - Influence of spark plasma sintering conditions on Si₃N₄ ceramics used for bone implants, *Romanian Journal of Materials* 2015, 45 (2), 160 – 170. F.I. = 0.563
27. David, A., Teodorescu, M., Stănescu, P.O., **Ștefania Stoleriu** - Novel poly(ethylene glycol) composite hydrogels with hydrophilic bentonite nanoclay as the filler, *Materiale Plastice*, 2014, 51 (2), pp. 113-118.
28. Iordanescu, C.R., Feraru, I.D., Elisa, M., Vasiliu, I.C., Volceanov, A., **Ștefania Stoleriu**, Filipescu, M. - Structural and morphological studies of Nd-doped phosphate thin films deposited by PLD on silicon wafers, *Journal of Optoelectronics and Advanced Materials*, 2014, 16 (3-4), pp. 288-294. F.I. = 0.429

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

- Selecție cu maximum 20 lucrări în volume de conferințe

1. Podaru AI, Toader G, Ștefania Stoleriu, Stănescu PO, Ginghina RE, Teodorescu M - *Nanocomposite hydrogels based on poly(n-vinyl pyrrolidone)*, *Chemistry Proceedings*, 2022, 7(1), pp. 82.
2. Nituica M, Alexandrescu L, Georgescu M, Maria F, Stelescu M, Gurau D, Iordache C, Ștefania Stoleriu - *Development and characterization of biodegradable compound based on epdm and wood waste*, *ICAMS*, 2020, 423-8.
3. Nituica M, Alexandrescu L, Georgescu M, Maria F, Stelescu M, Gurau D, Iordache C, Ștefania Stoleriu - *Biodegradable polymeric composite based on epdm rubber and functionalized elastomeric waste*, *ICAMS*, 2020, 417-22.

E. Brevete obținute în întreaga activitate

1. Brevet nr. 123077 din 30.09.2010 – *Procedeu de repatinare a zonelor restaurate prin pasivare superficială a pieselor vechi din bronz și alamă*
2. Brevet de invenție nr. RO127660 din 25.11.2010 – *Procedeu de depunere al straturilor oxidice ceramice*

3. Cerere Brevet de Invenție A/00852 din 21.11.2012 – *Aditivi pentru îmbunătățirea densității relative, a coeficientului de expansiune termică și a alungirii specifice pentru compozite ceramice alumino-zirconice*