
List of publications

First author publications:

1. **Alecu, A.-E.**; Costea, C.-C.; Surdu, V.-A.; Voicu, G.; Jinga, S.-I.; Busuioc, C. *Processing of Calcium Magnesium Silicates by the Sol–Gel Route*. Gels 2022, 8, 574.
Q1, IF: 4.6
2. **Alecu, A.E.**; Balaceanu, G.-C.; Nicoara, A.I.; Neacsu, I.A.; Busuioc, C. *Synthesis and Characterization of Porous Forsterite Ceramics with Prospective Tissue Engineering Applications*. Materials 2022, 15, 6942.
Q2, IF: 3.4
3. **Alecu, A.-E.**; Girjoaba, S.-A.; Beregoi, M.; Jinga, S.-I.; Busuioc, C. *The Influence of Electrospinning Parameters on the Morphological Features of PVDF Fibres*. Revista Română de Materiale / Romanian Journal of Materials 2022, **52** (3), 1-10.
IF: 0.65
4. **Alecu, A.-E.**; Girjoaba, S.-A.; Enculescu, M.-M.; Busuioc, C. *Comparative Study on TiO₂ Nanoparticles Obtained by Precipitation and Sol-Gel*. U.P.B. Sci. Bull., Series B, Vol. 85, Iss. 1, 2023.
IF: 0.5
5. **Alecu, A.-E.**; Girjoaba, S.-A.; Beregoi, M.; Bacalum, M.; Raileanu, M.; Jinga, S.-I.; Busuioc, C. *Synthesis and Evaluation of Composite Scaffolds Based on PVDF Fibres and Mineral Powders for Medical Applications*. Revista Română de Materiale / Romanian Journal of Materials 2023, **53** (2), 150-160.
IF: 0.65

Co-author in publications related to the topic:

1. Busuioc, C.; **Alecu, A.-E.**; Costea, C.-C.; Beregoi, M.; Bacalum, M.; Raileanu, M.; Jinga, S.-I.; Deleanu, I.-M. *Composite Fibers Based on Polycaprolactone and Calcium Magnesium Silicate Powders for Tissue Engineering Applications*. Polymers 2022, 14, 4611.
Q1, IF: 5
2. Nicoara, A.I.; **Alecu, A.-E.**; Balaceanu, G.-C.; Puscasu, E.M.; Vasile, B.S.; Trusca, R. *Fabrication and Characterization of Porous Diopside/Akermanite Ceramics with Prospective Tissue Engineering Applications*. Materials 2023, 16, 5548.
Q2, IF: 3.4
3. Nicoara, A.I.; Voineagu, T.G.; **Alecu, A.-E.**; Vasile, B.S.; Maior, I.; Cojocaru, A.; Trusca, R.; Popescu, R.C. *Fabrication and Characterisation of Calcium Sulphate Hemihydrate Enhanced with Zn- or B-Doped Hydroxyapatite Nanoparticles for Hard Tissue Restoration*. Nanomaterials 2023, 13, 2219.
Q1, IF: 5.4

Conference attendance during PhD stage:

1. RICCCE 2022, “22nd Romanian International Conference on Chemistry and Chemical Engineering”, *Electrospun Fibres Loaded with Active Powders as Multifunctional Hard Tissue Scaffolds*, September 2022, Sinaia, Romania.