

**PhD. Student Alina Florentina Vladu**  
**List of papers that include data from the thesis**

**PAPERS LIST**

- 1. Vladu, A.F.;** Fikai, D.; Ene, A.G.; Fikai, A. *Combination Therapy Using Polyphenols: An Efficient Way to Improve Antitumoral Activity and Reduce Resistance*. Int. J. Mol. Sci. 2022, **23**, 10244, IF = 5.6
- 2. Vladu, A.F.;** Albu Kaya, M.G.; Truşcă, R.D.; Motelică, L.; Surdu, V.-A.; Oprea, O.C.; Constantinescu, R.R.; Cazan, B.; Fikai, D.; Andronescu, E. *The Role of Crosslinking Agents in the Development of Collagen–Hydroxyapatite Composite Materials for Bone Tissue Engineering*. Materials 2025, **18**, 998, IF = 3.2
- 3. Vladu, A.F.;** Motelică, L.; Oprea, O.C; Truşcă, R.D.; Iordache, F.; Fikai, D.; Fikai, A. *Chitosan/Hydroxyapatite composite grafts for bone tissue engineering*. U.P.B. Sci. Bull., Series B. 2025, Series B, Vol. **87**, Iss. 3, IF = 0.3
- 4. Vladu, A.F.;** Albu Kaya, M.G.; Fikai, A.; Fikai, D.; Tutuianu, R.; Motelica, L.; Surdu, V.A.; Oprea, O.-C.; Truşcă, R.D.; Titorencu, I. *Localized Combination Therapy Using Collagen–Hydroxyapatite Bone Grafts for Simultaneous Bone Cancer Inhibition and Tissue Regeneration*. Polymers 2025, **17**, 2239, IF = 4.9

**SCIENTIFIC MEETINGS ATTENDED**

- 1. Alina Florentina Vladu,** Anton Fikai, *Polyphenols: a natural alternative for cancer therapy*, International Scientific Conference “Applications of chemistry in nanosciences and biomaterials engineering” - NANOBIOMAT, online, *june* 2021, oral presentation
- 2. Alina Florentina Vladu,** Anton Fikai, Alexandra Ene, Ecaterina Andronescu, Ionela Andreea Neacsu, *Composite Drug Delivery Systems for Bone Cancer Treatment*, International Scientific Conference “Applications of chemistry in nanosciences and biomaterials engineering” - NANOBIOMAT, online, *november* 2021, poster presentation
- 3. Alina Florentina Vladu,** Ludmila Motelica, Alexandra Ene, Ecaterina Andronescu, Ionela Neacsu, Anton Fikai, *Chitosan/Hydroxyapatite Based Composite Structures for Bone Cancer Treatment*, International Scientific Conference “Applications of chemistry in nanosciences and biomaterials engineering” - NANOBIOMAT, online, *june* 2022, poster presentation
- 4. Alina Florentina Vladu,** Ludmila Motelica, Roxana Trusca, Anton Fikai, *Composite Systems for Bone Tissue Regeneration*, International Scientific Conference “Applications of chemistry in nanosciences and biomaterials engineering” - NANOBIOMAT, online, *november* 2022, poster presentation

5. **Alina Florentina Vladu**, Ludmila Motelica, Roxana Trusca, Florin Iordache, Anton Fikai, *Preparation and Characterization of Composite Bone Substitutes*, Virtual International Scientific Conference on “Applications of Chemistry in Nanosciences and Biomaterials Engineering” – NANOBIOMAT, online, *june* 2023, poster presentation
6. **A.F. Vladu**, L. Motelica, O.C. Oprea, R.D. Trușcă, F. Iordache, D. Fikai, A. Fikai, *Freeze-Dried Chitosan/Hydroxyapatite Based Composite Systems For Bone Tissue Regeneration*, 7th International Conference on Emerging Technologies in Materials Engineering EMERGEMAT, Bucharest, Romania, *october* 2024, poster presentation
7. **Alina Florentina Vladu**, Mădălina Albu-Kaya, Denisa Fikai, Anton Fikai, *Development of Crosslinked Collagen-Hydroxyapatite Composite Materials for Bone Tissue Engineering*, The 12th International Conference Texteh 2025, Bucharest, Romania, *october* 2025, oral presentation