

PhD. Student Maximov Maxim
List of papers that include data from the thesis

PAPERS LIST

1. **Maximov, M.**; Maximov, O.-C.; Craciun, L.; Fikai, D.; Fikai, A.; Andronescu, E., Bioactive Glass—An Extensive Study of the Preparation and Coating Methods. *Coatings* **2021**, *11*(11):1386. IF= 2.881
2. Hanganu, A.; **Maximov, M.**; Maximov, O.-C.; Popescu, C. C.; Sandu, N.; Florea, M.; Mirea, A. G.; Gârbea, C.; Matache, M.; Funeriu, D. P., Insights into Large-Scale Synthesis of Benfotiamine. *Organic Process Research & Development* **2024**, *28*(11):4069–4078. IF=3.5
3. **Maximov, M. V.**; Maximov, O. C.; Motelica, L.; Fikai, D.; Oprea, O. C.; Trușcă, R. D.; (Stămat), L.-R. B.; Pericleanu, R.; Dumbravă, A.; Corbu, V. M.; Surdu, V.-A.; Vasilievici, G.; Fikai, A.; Dinescu, S.; Gheorghe-Barbu, I., Comprehensive Evaluation of 45S5 Bioactive Glass Doped with Samarium: From Synthesis and Physical Properties to Biocompatibility and Antimicrobial Activity. *Coatings* **2025**, *15*(4):404. IF= 2.9
4. **Maximov, M. V.**; Maximov, O.-C.; Trușcă R. D.; Fikai D.; Fikai A., Bioactive Coating with Antimicrobial Effect for Stainless Steel: Preparation and Characterization. *U.P.B Scientific Bulletin*, Series B, **2025**, *87*(3):267-278.
5. **Maximov, M. V.**; Sleiman, L.; Maximov, O. C.; Trușcă, R. D.; Motelica, L.; Spoială, A.; Fikai, D.; Fikai A.; Dinescu S., Synthesis and characterization of bioactive coatings with bone regeneration potential and anti-resorptive effect. *Coatings* **2025**, *15*(10):1120. IF= 2.8

SCIENTIFIC MEETINGS ATTENDED

1. National Autumn Conference of the Academy of Romanian Scientists (AOSR), 2020 – online oral presentation (Romanian); **Maximov, M.**; Fikai, A., *Biocompatible Coatings for Implants*.
2. International Conference NanoBioMat – Summer Edition, 2022 – online oral presentation (English); **Maximov, M.**; Trușcă, R.; Fikai, A., *Biocompatible Coatings with Antimicrobial Properties on Stainless Steel Supports*.
3. Scientific Communications Session “Chemistry Day”, University of Bucharest, October 16, 2024 – oral presentation (Romanian); **Maximov, M.**, *Application of Modern Analytical Techniques in the Study of Benfotiamine Synthesis at Industrial Scale*.