

1. **Ghitman, J.**, Pircalabioru, G. G., Zainea, A., Marutescu, L., Iovu, H., Vasile, E., Stan, R. (2022). Macrophage-targeted mannose-decorated PLGA-vegetable oil hybrid nanoparticles loaded with anti-inflammatory agents. *Colloids and Surfaces B: Biointerfaces*, 112423.
2. **Ghitman, J.**, Biru, E. I., Cojocaru, E., Pircalabioru, G. G., Vasile, E., Iovu, H. (2021). Design of new bioinspired GO-COOH decorated alginate/gelatin hybrid scaffolds with nanofibrous architecture: Structural, mechanical and biological investigations. *RSC Advances*, 11(22), 13653-13665.
3. **Ghitman, J.**, Biru, E. I., Stan, R., Iovu, H. "Review of hybrid PLGA nanoparticles: Future of smart drug delivery and theranostics medicine" *Materials & Design*, 108805, 2020,
4. **Ghitman, J.**, Stan, R., Ghebaur, A., Cecoltan, S., Vasile, E., Iovu, H. "Novel PEG-Modified Hybrid PLGA-Vegetable Oils Nanostructured Carriers for Improving Performances of Indomethacin Delivery" *Polymers*, 10 (6), 579, 2018
5. **Ghitman J.**, Stan R., Vlasceanu G., Vasile E., Iovu H. „Predicting the drug loading efficiency into hybrid nanocarriers based on PLGA-vegetable oil using molecular dynamic simulation approach and Flory-Huggins theory" *Journal of Drug Delivery Science and Technology*, (2019), 101203,
6. **Ghitman J.**, Stan, R., Cecoltan S., Chifiriuc M. C., Iovu H. "Hybrid nanocarriers based on PLGA-vegetable oil: A novel approach for high lipophilic drug delivery" *Journal of Drug Delivery Science and Technology*, (2018) 46, 162-172,
7. Ciocan, L. T., **Ghitman, J.**, Vasilescu, V. G., Iovu, H. (2021). Mechanical Properties of Polymer-Based Blanks for Machined Dental Restorations. *Materials*, 14(23), 7293.
8. Lungu, A., **Ghitman, J.**, Cernencu, A. I., Serafim, A., Florea, N. M., Vasile, E., Iovu, H. "POSS-containing hybrid nanomaterials based on thiol-epoxy click reaction" *Polymer*, 145, 324-333, 2018
9. Olaret, E., **Ghitman, J.**, Iovu, H., Serafim, A., Stancu, I. C. (2020). Coatings based on mucin-tannic acid assembled multilayers. Influence of pH. *Polymers for Advanced Technologies*, 31(4), 645-653,
10. Leu Alexa, R., Iovu, H., **Ghitman, J.**, Serafim, A., Stavarache, C., Marin, M. M., & Ianchis, R. (2021). 3D-Printed Gelatin Methacryloyl-Based Scaffolds with Potential Application in Tissue Engineering. *Polymers*, 13(5), 727.
11. Cojocaru, E., **Ghitman, J.**, Biru, E. I., Pircalabioru, G. G., Vasile, E., & Iovu, H. (2021). Synthesis and characterization of electrospun composite scaffolds based on chitosan-carboxylated graphene oxide with potential biomedical applications. *Materials*, 14(10), 2535.
12. Cojocaru, E., **Ghitman, J.**, Pircalabioru, G. G., Stavarache, C., Serafim, A., Vasile, E., & Iovu, H. (2022). Electrospun Nanofibrous Membranes Based on Citric Acid-Functionalized Chitosan Containing rGO-TEPA with Potential Application in Wound Dressings. *Polymers*, 14(2), 294.
13. Stanescu, P. O., Radu, I. C., Leu Alexa, R., Hudita, A., Tanasa, E., **Ghitman, J.**, Galateanu, B. (2021). Novel chitosan and bacterial cellulose biocomposites tailored with polymeric nanoparticles for modern wound dressing development. *Drug Delivery*, 28(1), 1932-1950.
14. Olăreș, E., Bălănuță, B., Onaș, A. M., **Ghițman, J.**, Iovu, H., Stancu, I. C., & Serafim, A. (2021). Double-Cross-Linked Networks Based on Methacryloyl Mucin. *Polymers*, 13(11), 1706.
15. Ghitman J., Stan R., Iovu H. "Experimental contributions in the synthesis of PLGA nanoparticles with excellent properties for drug delivery: Investigation of key parameters", *Bull. UPB, Vol. 79, (2)* 101-112, 2017,

16. **Ghitman, J.**, Stan, R. L. (2019). Studying the Effect of PMG on the Hydrodynamic Characteristics and Stability of PLGA-Vegetable Oil Hybrid Nanoparticles Obtained by Emulsion Solvent Evaporation Method. *Materiale plastice*, 56(4), 857
17. Marin, M. M., Albu Kaya, M. G., Vlasceanu, G. M., **Ghitman, J.**, Radu, I. C., Iovu, H. (2020). The effect of crosslinking agents on the properties of type II collagen biomaterials. *Mater. Plast*, 57, 166-180.
18. Marin, M. M., Albu-Kaya, M. G., Stavarache, C. E., Constantinescu, R. R., Chelaru, C., **Ghitman, J.**, Iovu, H. (2021). Extraction and studies on the properties of type II collagen as potential biomaterial in cartilage repair. *UPB Sci. Bull. Ser. B*, 83, 229-238.