LISTĂ DE LUCRĂRI

1. **Cernencu, A. I.,** Lungu, A., Dragusin, D., Serafim, A., Vasile, E., Ionescu, C., & Iovu, H. (2017). Design of cellulose–alginate films using PEG/NaOH aqueous solution as co-solvent. Cellulose, 24(10), 4419-4431. **Q1, IF = 5.04**
2. **Cernencu, A.I.,** Lungu, A., Stancu, I.C., Vasile, E., Iovu, H. (2019). Polysaccharide-based 3d printing inks supplemented with additives UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 81(4), pp. 175-186 **Q4, IS=0.49**
3. **Cernencu, A. I.,** Lungu, A., Stancu, I. C., Serafim, A., Heggset, E., Syverud, K., & Iovu, H. (2019). Bioinspired 3D printable pectin-nanocellulose ink formulations. Carbohydrate polymers, 220, 12-21. **Q1, IF = 9.38**
4. **Cernencu, A.I.,** Lungu, A., Dragusin, D., Stancu, I.C., Dinescu, S., Balahura, R., Mereuta, P., Costache, M., and Iovu, H. "3D Bioprinting of biosynthetic nanocellulose-filled GelMA inks highly reliable for soft tissue-oriented constructs. Materials, 14(17):4891. **Q2, IF = 3.62**
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6. Balahura L.R., Dinescu S, Balaş M, Cernencu A.I., Lungu A., Vlăsceanu G. M., Iovu H., Costache M. (2021) "Cellulose nanofibers-based hydrogels embedding 5-FU promote pyroptosis activation in breast cancer cells and support soft tissue reconstruction". Pharmaceutics, 13(8), 1189. **Q1, IF=6.32**
7. **Cernencu, A. I.** (2021). Book chapter: "3D Printing of Hydrogel Constructs Toward Targeted Development in Tissue Engineering". In 3D printable Gel-inks for Tissue Engineering (pp. 79-127). Springer, Singapore. Book chapter

Participări manifestări ştiintifice

1. 1st Bucharest Polymer Conference (BPC), Bucharest, Romania, 2018, "Nanocellulose based 3D printable Hydrogels"- oral presentation.
2. European Polymer Congress EPF, Crete, Greece, 2019, "3D printable nanocellulose-pectin ink formulations" - oral presentation

3. 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE21) Constanta, Romania, 2019, „Biocompatible Carbohydrate-based Inks for 3D Printing - oral presentation

4. 12th World Congress on Biopolymers and Biomaterials, Amsterdam, Netherlands – Online Conference, 2020, „Bioinspired-hydrogel composites as 3D printable ink formulations" - oral presentation.