

**LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII ȘTIINȚIFICE DIN
PROGRAMUL DE STUDII DOCTORALE**

Nume: Cobzariu (căsătorită Nacu)

Prenume: Isabella

1. **Lucrări publicate:**

- în reviste cotate ISI (Web of Science cu factor de impact);

Lucrări publicate în reviste științifice cotate ISI (rezultate incluse în teză):

1. **Nacu I, Bercea M, Niță L.E, Peptu C.A, Butnaru M, Vereștiuc L, „3D bioprinted scaffolds based on functionalized gelatin for soft tissue engineering”, *Reactive and Functional Polymers*, Volume 190, 2023. FI ISI 5.1**
2. Luca A, **Nacu I, Tănăsache S, Peptu C.A, Butnaru M, Vereștiuc L, „New Methacrylated Biopolymer-Based Hydrogels as Localized Drug Delivery Systems in Skin Cancer Therapy”, *Gels*, Volume 9(5), 2023. FI ISI 4.6**
3. Niță L.E, **Nacu I, Ghilan A, Rusu A.G, Șerban A.M, Bercea M, Vereștiuc L, Chiriac A.C, „Evaluation of hyaluronic acid-polymacrolactone hydrogels with 3D printing capacity”, *International Journal of Biological Macromolecules*, Volume 256, Part 2, 2024. FI =8.2**
4. **Nacu I, Ghilan A, Rusu A.G, Bercea M, Niță L.E, Vereștiuc L, Chiriac A.C, „Hydrogels with Antioxidant Microparticles Systems Based on Hyaluronic Acid for Regenerative Wound Healing”, *Macromolecular Bioscience*, 2024. FI ISI 4.4**
5. Botezatu I, **Nacu I, Cojocaru F.D, Balan V, Bercea M, Niță L.E, Vereștiuc L, „3D Printed composite scaffolds based on biopolymers, hydroxyapatite and magnetic nanoparticles for bone tissues defects repair” – în evaluare**

Lucrări publicate în reviste științifice cotate ISI (rezultate conexe tezei de doctorat):

1. Crețu B.E.B, Dodi G, Gardikitios I, Bălan V, **Nacu I, Stoica I, Stoleru E, Rusu A.G, Ghilan A, Niță L.E, Chiriac A.C, „Bioactive Composite Cryogels Based on Poly (Vinyl Alcohol) and a Polymacrolactone as Tissue Engineering Scaffolds: In Vitro and In Vivo Studies”, *Pharmaceutics*, 2023. FI ISI 4.9**
2. Onu I, Gherghel R, **Nacu I, Cojocaru F.D, Vereștiuc L, Matei D.V, Cașcaval D, Șerban I.L, Jordan A.D, Tucaliuc A, Galaction A, „Can Combining Hyaluronic Acid and Physiotherapy in Knee Osteoarthritis Improve the Physicochemical Properties of Synovial Fluid?”, *Biomedicines*, 2024. FI ISI 3.9**

3. Șerban A.M, **Nacu I**, Roșca I, Ghilan A, Rusu A.G, Niță L.E, Niță R.D, Chiriac A.C „Preparation and Characterization of Polymeric Microparticles Based on Poly(ethylene brassylate-co-squaric Acid) Loaded with Norfloxacin”, *Pharmaceutics*, **2024**. FI ISI 4.9
4. Platon I.V, Ghiorghita C.A, Lazar M.M, Aprotosoia A.C, Gradinaru A.C, **Nacu I**, Vereștiuc L, Nicolescu A, Ciocarlan N, Dinu V.M, „Highly Compressible, Superabsorbent, and Biocompatible Hybrid Cryogel Constructs Comprising Functionalized Chitosan and St. John’s Wort Extract”, *Biomacromolecules*, **2024**. FI ISI 5.5
5. Bibire T, Dănilă R, Yilmaz C.N, Vereștiuc L, **Nacu I**, Ursu R.G, Ghiciuc C.M „In Vitro Biological Evaluation of an Alginate-Based Hydrogel Loaded with Rifampicin for Wound Care”, *Pharmaceutics*, **2024**. FI ISI 4.6
6. Afloarea O.T, **Nacu I**, Vereștiuc L, Yilmaz C.N, Panainte A.D, Peptu C.A, Ostafe I.G, Bibire N, „In Vitro and Ex Vivo Evaluation of Novel Methacrylated Chitosan-PNIPAAm-Hyaluronic Acid Hydrogels Loaded with Progesterone for Applications in Vaginal Delivery”, *Polymers*, **2024**. FI ISI 5

2. *Comunicări la conferințe naționale sau internaționale*

1. **International Conference on e-Health and Bioengineering, Iași, 2021**: Donea R, **Nacu I**, Butnaru M, Verestiuc L, “Methacrylated Collagen/Chitosan Based Hydrogels as Scaffolds for Soft Tissue Engineering”
2. **International Conference on e-Health and Bioengineering, Iași, 2022**: **Nacu I**, Baiu T, Niță L.E, Verestiuc L, “3D Bioprinted Methacrylated Gelatin-Based Scaffolds”, **MENȚIUNE**
3. **International Biomedical Science and Technology Symposium, Ankara, Turcia, 2022**: **Nacu I**, Nedelcu L, Niță L.E, Verestiuc L, “3D Bioprinted hybrid hydrogels based on gelma and functionalised biopolymers for tissue engineering”.
4. **International Conference on Bioengineering and Polymer Science, București, 2023**: **Nacu I**, Ilie I, Tunaru A, Niță L.E, Verestiuc L, “3D Bioprinted Scaffolds Based on Functionalised Gelatin and Sodium Alginate for Soft Tissue Engineering”.
5. **NanoBioMat Summer Edition, București, 2023**: Botezatu I, **Nacu I**, Cojocaru FD, Bălan V, Verestiuc L „3D printed scaffolds based on biopolymers-calcium phosphates and magnetic nanoparticles for bone tissue engineering” – **Best Paper Award**
6. **MacroYouth, Iași, 2023**: **Nacu I**, Niță L.E, Verestiuc L, “Biocompatible Scaffolds based on Functionalised Polymers For Soft Tissue Engineering” – **Premiul II**
7. **NanoBioMat Winter Edition, București, 2023**: **Nacu I**, Ilie I, Tunaru A, Niță L.E, Verestiuc L, *Biocompatible Hybrid Scaffolds based on Functionalised Gelatin For Soft Tissue Engineering.*
8. **Conferința Tehnico-științifică a studenților, masteranzilor și doctoranzilor a Universității Tehnice a Moldovei, Chișinău, 2024**: **Nacu I**, Ilie I, Tunaru A, Niță L.E, Verestiuc, *3D Bioprinted Scaffolds Based on Functionalized Biopolymers for Soft Tissue Engineering.*
9. **Conferința Tehnico-științifică a studenților, masteranzilor și doctoranzilor a Universității Tehnice a Moldovei, Chișinău, 2024**: *Ghiață I*, **Nacu I**, Verestiuc L, *Vascular grafts obtained through 3d printing technologies – Premiul III*
10. **NanoBioMat Summer Edition, București, 2024**: **Nacu I**, Ilie I, Tunaru A, Niță L.E, Verestiuc L, *Complex 3D printed architectures for skin tissue repair and regeneration. – Best Presentation Award*

Prezentări internaționale – Secțiunea Poster

1. **Tissue Engineering and Regenerative Medicine International Society, Inc.- European Chapter, 2022 TERMIS-EU Conference, Kracow: Nacu I, Nedelcu L, Niță L.E, Peptu C.A, Verestiuc L, „3D Bioprinted scaffolds based on functionalised gelatin/chitosan/xanthan, dextran for soft tissue engineering”.**
2. **Tissue Engineering and Regenerative Medicine International Society, Inc.- European Chapter, 2022 TERMIS-EU Conference, Kracow: Botezatu I, Nacu I, Cojocaru FD, Bălan V, Niță L.E, Verestiuc L, „3D Printable functionalised gelatin/chitosan, hyaluronic acid, hydroxyapatite and magnetic nanoparticles scaffolds for bone regeneration”.**
3. **Appolonia, Iași, 2024: Nacu I, Ghilan A, Rusu A.G, Serban A.M, Bercea M, Vereștiuc L, Nita L.E, „Hybrid hydrogel systems based on hyaluronic acid and a copolymacro-lactone structure”.**

11. Alte mențiuni

Membru în proiecte de cercetare

1. **New hybrid polymer/peptide hydrogels as innovative platforms designed for cell cultures applications” PN-III-P2-2.1-PED-2019-2743 (2020 - 2022)**
2. **„3D bio-inspired hybrid architectures for deep thickness skin repair and regeneration” PN-III-P2-2.1-PED-2021-3003 (2022 - 2024)**

Semnătură,

Nacu

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