Isabella Nacu

Data nașterii: [redacted] | **Cetățenie:** română | **Gen:** Feminin | **Număr de telefon:** [redacted] (Număr de telefon mobil) | **E-mail:** [redacted] |

Adresă: Iasi, România (Iasi)

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

2021 – ÎN CURS Iași , România
STUDII DE DOCTORAT Scoala de Studii Avansate a Academiei Romane Institutul de Chimie Macromoleculara "Petru Poni"

Adresă Aleea Grigore Ghica Yoda nr. 41A, Iași , România

2018 – 2021 Iași , România
STUDII DE MASTERAT Facultatea de Bioinginerie Medicală in cadrul UMF "Grigore T. Popa"

Adresă Strada Kogalniceanu , nr. 11-13, 700454, Iași , România

2014 – 2018 Iasi, România
STUDII DE LICENȚĂ Facultatea de Bioinginerie Medicală in cadrul UMF "Grigore T. Popa"

Adresă Strada Kogalniceanu, , nr. 11-13 , 700454 , Iasi, România

2010 – 2014 Tulcea
STUDII LICEALE Liceul Teoretic "Grigore Moisil" Tulcea

Adresă Strada 1848, nr. 7, 820182, Tulcea

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
ENGLEZĂ	B2	B2	B2	B2	B2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

COMPETENȚE DIGITALE

Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft PowerPoint

PROIECTE

New hybrid polymer/peptide hydrogels as innovative platforms designed for cell cultures applications

PN-III-P2-2.1-PED-2019-2743 (2020 - 2022)

3D bio-inspired hybrid architectures for deep thickness skin repair and regeneration

PN-III-P2-2.1-PED-2021-3003 (2022 - 2024)

ACTIVITATE STIINTIFICA

Articole științifice

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. IF 5.1**

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. IF 4.6**

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 printingcapacity",** *International Journal of BiologicalMacromolecules*, Volume 256, Part 2**, 2024. IF 8.2**

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. IF 4.4**

Botezatu I, **Nacu I,** Cojocaru F.D, BalanV, 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**

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 (VinylAlcohol) and a Polymacrolactone as Tissue Engineering Scaffolds: In Vitro and *In Vivo* Studies",** *Pharmaceutics, 2023*

Onu I, Gherghel R, **Nacu I,** Cojocaru F.D, Vereștiuc L, Matei D.V, Cașcaval D, Șerban I.L, Iordan A.D, Tucaliuc A, Galaction A,**„Can Combining Hyaluronic Acid and Physiotherapy in Knee Osteoarthritis Improve the Physicochemical Properties of Synovial Fluid?",** *Biomedicines,* **2024.**

Șerban A.M, **Nacu I,** Roșca I,Ghilan A, Rusu A.G, Niță L.E, Niță R.D, Chiriac A.C **„Preparationand Characterization of Polymeric Microparticles Based on Poly(ethylenebrassylate-co-squaric Acid) Loaded with Norfloxacin",** *Pharmaceutics, 2024.*

Platon I.V, Ghiorghita C.A, Lazar M.M, Aprotosoaie A.C, Gradinaru A.C, **Nacu I,** Vereștiuc L, Nicolescu A, Ciocarlan N, DinuV.M, „**HighlyCompressible, Superabsorbent, and Biocompatible Hybrid Cryogel Constructs Comprising Functionalized Chitosan and St. John'sWort Extract",** *Biomacromolecules,* **2024.**

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",** *Pharmaceuticals, 2024.*

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.**

PREZENTĂRI INTERNAȚIONALE

Comunicări Orale

International Conference on e-HealthandBioengineering, Iași, 2021: Donea R, **Nacu I,** Butnaru M, Verestiuc L,"Methacrylated Collagen/Chitosan Based Hydrogels as Scaffolds for Soft Tissue Engineering"

International Conference on e-HealthandBioengineering, Iași, 2022: Nacu I, Baiu T, Niță L.E, Verestiuc L, **"**3D Bioprinted Methacrylated Gelatin-Based Scaffolds", **MENȚIUNE**

International Biomedical Science and Technology Symosium, 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".

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".

NanoBioMatSummerEdition, 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***

MacroYouth, Iași, 2023: **Nacu I,** Niță L.E, Verestiuc L, "***Biocompatible Scaffolds based on Functionalised Polymers For Soft Tissue Engineering" – Premiul II***

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.***

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.*

Conferința Tehnico-științifică a studenților, masteranzilor și doctoranzilor a Universității Tehnice a Moldovei, Chișinău, 2024: *Ghiață I,* **Nacu I,** Verestiuc L, ***Vascular grafts obtained hrough 3D printing technologies – Premiul III***

NanoBioMatSummerEdition, 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**

Postere

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".**

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".**

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".

STAGII

Training school on 3D-printing of gels and aerogels, Santiago de Compostela, Spania, 2022.

Course on Molecular Toxicology Symposium, Izmir, Turcia, 2024

27.08.2024

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