INFORMAŢII PERSONALE

# Roxana Elena Gheorghiţă



**Addresă** Suceava, România

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**Data naşterii** 09/05/1989

**Nationalitate** Română

## EXPERIENŢĂ PROFESIONALĂ

OCTOMBRIE 2024 – PREZENT
Şef de lucrări universitar
Discipline: "*Metodologia cercetării ştiinţifice*", "*Igienă*", "*Materiale utilizate în tehnica dentară*", "*Biomateriale*"
Facultatea de Medicină şi Ştiinţe Biologice
Universitatea Ştefan cel Mare din Suceava, România

IANUARIE 2025 - PREZENT
Manager de proiect
Proiect: "*Microcapsule biopolimerice cu probiotice – vectori de augmentare pentru produse alimentare biologic active*" (MicroCAPS)
Universitatea Ştefan cel Mare din Suceava, România

SEPTEMBRIE 2024- PREZENT
Cercetător postdoctoral
Proiect: "*Microbiomul intestinal la pacienții cu spondilită anchilozantă*" (GRASP)
Universitatea Ştefan cel Mare din Suceava, România

IULIE 2024 – PREZENT
Asistent de cercetare
Proiect: "*Metagenomics and Bioinformatics tools for Wastewater-based Genomic Surveillance of viral Pathogens for early prediction of public health risks*" (MetBio-WGSP)
Universitatea Ştefan cel Mare din Suceava, România

MARTIE 2024 – PREZENT
Asistent de cercetare
Proiect: "*Artificial intelligence-powered personalized health and genomics libraries for the analysis of long-term effects in COVID-19 patients*" (AI-PHGL-COVID)
Universitatea Ştefan cel Mare din Suceava, România

OCTOMBRIE 2023 – PREZENT
Persoană desemnată în relația cu Autoritatea Europeană pentru Siguranța Alimentară (EFSA) - Universitatea Ştefan cel Mare din Suceava, România

NOIEMBRIE 2022 – IULIE 2023
Cercetător postdoctoral
Proiect "*Cultivare controlată cu ajutorul luminii a germenilor şi microgreens vegetali cu conţinut fenolic ridicat*" (Phenolight)
Universitatea Ştefan cel Mare din Suceava, România

Curriculum Vitae

Roxana Elena Gheorghita

| | |
|---|---|
| FEBRUARIE 2022 – SEPTEMBERIE 2024 | Asistent universitar<br>Discipline: *"Metodologia cercetării ştiinţifice", "Igienă"*, "*Tehnologii alimentare*", "*Igiena alimentelor şi siguranţa alimentară*", "*Aditivi şi nutraceutice*"<br>Facultatea de Medicină şi Ştiinţe Biologice<br>Universitatea Ştefan cel Mare din Suceava, România |
| SEPTEMBRIE 2020 – AUGUST 2022 | Manager de proiect<br>Proiect: *"Materiale inovative, comestibile și biodegradabile, destinate ambalării suplimentelor alimentare" (INnoMAT)*<br>Universitatea Ştefan cel Mare din Suceava, România |
| OCTOMBRIE 2020 – DECEMBRIE 2021 | Asistent de cercetare<br>Proiect: "*Secvențierea genomului SARS-CoV-2 și analiza filogenetică a tulpinilor circulante în România*" (RoGenoFil)<br>Universitatea Ştefan cel Mare din Suceava, România |
| AUGUST 2020 – IULIE 2022 | Asistent de cercetare<br>Proiect: "*Materiale biodegradabile și comestibile pentru industria cărnii, produse de importanță majoră în implementarea conceptului de economie verde,*" (MatCARN)<br>Universitatea Ştefan cel Mare din Suceava, România |
| AUGUST 2019 – SEPTEMBRIE 2021 | Asistent de cercetare<br>Proiect: "*Analiza interrelației dintre microbiota intestinală și gazdă cu aplicații în prevenția și controlul diabetului de tip 2''* (microDIAB)<br>Universitatea Ştefan cel Mare din Suceava, România |

## EDUCAŢIE ŞI FORMARE

| | |
|---|---|
| 2020 – PREZENT | Doctorand, domeniul Medicină<br>Proiect de cercetare: „*Cercetări privind dezvoltarea unor probiotice de nouă generație, microîncapsulate, încorporate în alimente funcționale, cu scopul menținerii sănătății microbiotei intestinale și prevenirii bolilor*"<br>Universitatea de Medicină și Farmacie „Victor Babeș" din Timișoara |
| 2015 – 2019 | Doctorat, titlul tezei de doctorat: „*Cercetări privind dezvoltarea materialelor pentru ambalaje inteligente de unică folosință*"<br>Titlul de doctor acordat prin OM 4517/22.07.2019<br>Facultatea de Inginerie Alimentară, Universitatea Ștefan cel Mare din Suceava |
| 2018-2019 | Program de formare psihopedagogică – Nivelul II<br>Facultatea de Științele Educației, Universitatea Ștefan cel Mare din Suceava |
| 2013-2015 | Masterat<br>Specializarea: *Managementul igienei, Controlul calității alimentelor și Asigurarea sănătății publice*,<br>Facultatea de Inginerie Alimentară, Universitatea Ștefan cel Mare din Suceava |

Curriculum Vitae Roxana Elena Gheorghita

2008-2012 Licenţă
Specializarea *Controlul şi expertiza produselor alimentelor*
Facultatea de Știința și Ingineria Alimentelor, Universitatea Dunărea de Jos din Galați

## COMPETENŢE PERSONALE

Limba maternă Română

| Alte limbi | CITIRE | CONVERSAŢIE | SCRIERE |
|---|---|---|---|
| Engleză | | Foarte bine | |
| Franceză | | Bine | |

## INFORMAŢII SUPLIMENTARE

- **Publicare carte autor/coautor**

1. **Roxana Gheorghiţă**, „*Ghid de utilizare a filmelor şi foliilor subţiri*", Editura Performantica, ISBN 978-606-685-835- 9.
2. Mihai Covaşă, Lidia Iuliana Arhire, Anca Bosancu, **Roxana Gheorghiţă,** „*Transplantul de microbiotă fecală: Răspunsul medicinei la problemele actuale*", Editura Universitatii Stefan cel Mare din Suceava, ISBN 978-973-666-686-5.
3. Roxana Filip, Liliana Anchidin- Norocel, **Roxana Gheorghiţă**, „*Igienă. Laborator*", Editura Performantica, ISBN987-606-685-781-9.
4. **Roxana Gheorghiţă** , "*Noi perspective în utilizarea materialelor biopolimerice: ambalaje comestibile pentru alimente și suplimente alimentare*", Editura Performantica, ISBN 978-606-685-706-2.

- **Articole ISI**

1. Olga Adriana Caliman-Sturdza; Roxana Gheorghita; Monica Terteliu Baitan; Roxana Filip (2025). Infectious Diseases in the Context of the War in Ukraine: Refugee Health Implications in Romania. Healthcare 13(21) 2732.
2. Amariței, Valentina, **Roxana-Elena Gheorghita**, Olga Adriana Caliman Sturdza (2025). Nutritional Management in Liver Cirrhosis: A Combined Systematic Review and Observational Study. Diseases (IF 3,0) 13(9), 278.
3. Olga Adriana Caliman-Sturdza, Iuliana Soldanescu, **Roxana Elena Gheorghita** (2025). SARS-CoV-2 Pneumonia: Advances in Diagnosis and Treatment. Microorganisms (IF 4,2), 13(8), 1791.
4. Olga Adriana Caliman-Sturdza, **Roxana Elena Gheorghita**, Iuliana Soldanescu (2025). Vitamin D and COVID-19: Clinical Evidence and Immunological Insights. Life (IF 3,4), 15(5), 733.
5. Olga Adriana Caliman-Sturdza, **Roxana Gheorghita**, Andrei Lobiuc (2025). Neuropsychiatric Manifestations of Long COVID-19: A Narrative Review of Clinical Aspects and Therapeutic Approaches. Life (IF 3,4). 15(3), 439.
6. **Roxana Gheorghita**, Ioan-Ovidiu Sirbu, Andrei Lobiuc, Mihai Covasa (2024). Sodium Alginate–Starch Capsules for Enhanced Stability of Metformin in Simulated Gastrointestinal Fluids. Biomimetics (IF 3,9), 9(11), 716.
7. **R.E. Gheorghita**, A.V. Lupaescu, A.M. Gâtlan, D. Dabija, A. Lobiuc, O.C. Iatcu, A. Buculei, A. Andriesi, A Dabija (2024). Biopolymers-Based Macrogels with Applications in the Food Industry: Capsules with Berry Juice for Functional Food Products. Gels (IF 4.43), 10(1), 71.
8. Diana Camelia Batîr Rusu, Danela Murariu, **Roxana Gheorghita**, Mariana Graur (2024). Some Nutritional Value Aspects of Barley and Oat and Their Impact in Human Nutrition and Healthy Life. Plants (IF 4.0), 13(19), 2764.
9. Ana Maria Gal, Camelia Oana Iatcu, Alina Delia Popa, Lidia Iuliana Arhire, Laura Mihalache, Andreea Gherasim, Otilia Nita, Raluca Meda Soimaru, **Roxana Gheorghita**, Mariana Graur, Mihai Covasa (2024). Nutrients (IF 4.8), 16(6), 771.
10. **Roxana Gheorghita**, Iuliana Soldanescu, Andrei Lobiuc, Olga Adriana Caliman Sturdza, Roxana Filip, Adela Constantinescu–Bercu, Mihai Dimian, Serghei Mangul, Mihai Covasa (2024). The knowns and unknowns of long COVID-19: from mechanisms to therapeutical approaches. Frontiers in Immunology (IF 5.7), 15, 1344086.
11. Liliana Anchidin-Norocel, Wesley K Savage, **Roxana Gheorghita**, Sonia Amariei (2023). Biopolymers Used for Receptor Immobilization for Nickel-Detection Biosensors in Food. Micormachines (IF 3.0), 14(8),1529.

12. **Roxana Gheorghita**, Roxana Filip, Ancuta-Veronica Lupaescu, Monica Iavorschi, Liliana Anchidin-Norocel, Gheorghe Gutt (2023). Innovative Materials with Possible Applications in the Wound Dressings Field: Alginate-Based Films with Moringa oleifera Extract, Gels (If 4,43), 9(7), 560.
13. **Roxana E Gheorghita**, Oana C Iatcu, Lidia Petcu, Adriana Dabija (2023). Development and characterization of a novel food product: yogurt with grapefruit essential oil capsules. Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry (IF 0.3), 24(4), 329-336.
14. Vasile Stoleru Andrei Lobiuc,Naomi-Eunicia Pavăl, Ionel I. Mangalagiu, **Roxana Gheorghiță,**Gabriel-Ciprian Teliban, Dorina Amăriucăi-Mantu (2023). Future Antimicrobials: Natural and Functionalized Phenolics, Molecules (IF 4,2), 28(3), 1114.
15. **Roxana Gheorghita Puscaselu**, Andrei Lobiuc, Ioan Ovidiu Sirbu, Mihai Covasa (2022), The Use of Biopolymers as a Natural Matrix for Incorporation of Essential Oils of Medicinal Plants, Gels (IF 4.43), 8(11), 756.
16. **Roxana Gheorghita Puscaselu**, Andrei Lobiuc, Gheorghe Gutt, (2022). The Future Packaging of the Food Industry: The Development and Characterization of Innovative Biobased Materials with Essential Oils Added, Gels (IF 4.43), 8(8), 505.
17. Sevag Hamamah, **Roxana Gheorghita,** Andrei Lobiuc, Ioan-Ovidiu Sirbu, Mihai Covasa, (2022). Fecal microbiota transplantation in non-communicable diseases: Recent advances and protocols, Frontiers in Medicine (IF 5.06), 9, https://www.frontiersin.org/articles/10.3389/fmed.2022.1060581/full.
18. Florin Filip, Monica Terteliu Baitan, Olga Adriana Caliman Sturdza, **Roxana Gheorghita Puscaselu**, Roxana Filip, (2022). Spontaneous Pneumomediastinum in a 16-Year-Old Patient with SARS-CoV-2 Infection: A North-East Romanian Case, Children (IF 2.84), 9(11), 1641.
19. Roxana Filip, **Roxana Gheorghita Puscaselu**, Liliana Anchidin-Norocel, Mihai Dimian, Wesley K Savage, (2022). Global Challenges to Public Health Care Systems during the COVID-19 Pandemic: A Review of Pandemic Measures and Problems, Journal of Personalized Medicine (IF 3.51), 12(8), 1295.
20. **Gheorghita, R**., Anchidin-Norocel, L., Petraru, A., Ursachi, F., (2021). Strategies and Challenges for Successful Implementation of Green Economy Concept: Edible Materials for Meat Products Packaging. Foods (IF 4.350), 10(12), 3035.
21. **Gheorghita, R**., Besliu, I., Gutt, G., (2021). Edible Biopolymers-Based Materials for Food Applications—The Eco Alternative to Conventional Synthetic Packaging. Polymers (IF 4.329), 13(21), 3779.
22. Filip, R., Anchidin-Norocel, L., **Gheorghita R**., Savage, WK, Dimian, M., (2021). Changes in Dietary Patterns and Clinical Health Outcomes in Different Countries during the SARS-CoV-2 Pandemic. Nutrients (IF 5,719), 13(10), 3612.
23. **Gheorghita, R**., Anchidin-Norocel, L., Filip, R., Dimian, M., (2021). Applications of Biopolymers for Drugs and Probiotics Delivery. Polymers (IF 4.329), 13 (16), 2729.
24. Covaşă, M., Lobiuc, A., **Gheorghiţă, R**., Strudza, O., Dimian, M., (2021). Analysis of genome characteristics and transmission of SARS-CoV-2 strains in North-East of Romania during the first COVID-19 outbreak. Frontiers in Microbiology (IF 4.235), 12, 654417.
25. **Gheorghita Puscaselu, R**., Lobiuc, A., Dimian, M,. Covaşă, M., (2020). Alginate: From Food Industry to Biomedical Applications and Management of Metabolic Disorders. Polymers (IF 4.329), 12(10).
26. **Puscaselu, R**., Gutt, G., Amariei, S., (2020). The Use of Edible Films Based on Sodium Alginate in Meat Product Packaging: An Eco-Friendly Alternative to Conventional Plastic Materials. Coatings, 10(2).
27. **Puscaselu, R**., Amariei, S., Norocel, L., Gutt, G. (2020). "New Edible Packaging Material with Function in Shelf Life Extension: Applications for the Meat and Cheese Industries", Foods (IF 3.189), 9(5).
28. **Puscaselu, R**., Gutt, G., Amariei, S., (2019) „Biopolymer – based films enriched with Stevia Rebaudiana used for the development of edible and soluble packaging", Coatings (IF 2.33), 9(6).
29. **Puscaselu, R**., Gutt, G., Amariei, S., (2019), "Rethinking the Future of Food Packaging: Biobased Edible Films for Powdered Food and Drinks", Molecules (IF 3.309), 24(17).
30. **Puscaselu, R**., Severin, T.L., Amariei, S., (2019) „Use of biopolymers in designing edible packaging materials for food industry. Development of statistical models", Revista de Materiale Plastice (IF 1.517), nr. 59(1).

- **Conferinţe internaţionale**

1. "*The influence of the plasticizer on the quality of edible agar-based films*" International Conference „Modern Technologies in the Food Industry", 20-22.10.2016, Chişinău, Republica Moldova.
2. „*New applications of biopolymers and essential oils: edible packaging material for food supplements*", International Conference „10th International Colloids Conference", Elsevier, 7-9.12.2020.
3. „*Use of polymers in the development of edible packaging materials for food supplements*", International Conference "Agriculture for Life. Life for Agriculture", Bucuresti, 2-4.06.2021 – best poster presentation award.

4. "*The importance of starch source in the development of edible materials for food packaging*", „21st International ScientificGeoConference SGEM 2021", Bulgaria, 14-22.08.2021 – best speaker award.
5. „*Are biopolymers the weapon against pollution due to disposable packaging? New biobased edible materials for packagingfood supplements*", „21st International Scientific GeoConference SGEM 2021", Bulgaria, 14-22.08.2021.
6. „*New applications of starch in the food industry: the development of edible packaging materials*", „The InternationalConference "Biotechnologies, Present and Perspectives" Suceava, Romania, 05.11.2021.
7. "*Comparison of Automated Pipelines for Nanopore 16S Sequencing Data Analysis of Human Gut Microbiota Samples*",IEEE International Conference on e-Health and Bioengineering EHB 2021 - 9-th Edition, Iasi, Romania, 18-19.11.2021.
8. „*Use of Biopolymers and Natural Essential Oils for the Development of Edible Packaging for Food Supplements*", 6th ASIAPACIFIC International Modern Sciences Congress, New Delhi, India, 15-16.12.2021.
9. „*Food industry and the concept of green economy: strategies for development of edible food packaging materials*", 7th International Zeugma Conference on Scientific Research, Gaziantep, Turkey, 21-23.01.2022.
10. „*Innovative edible biomaterials with natural essential oils for powdered supplements: new strategies to improve food quality and reduce waste from disposable packaging*", International conference "New Trends in Polymer Science: Health of the Planet, Health of the People", Torino, Italia, 25-27.05.2022.
11. " *Biopolymeric materials with citrus essential oils: development, testing and benefits in use",* Conferinta internationala „The First International Conference on Antioxidants: Sources, Methods, Health Benefits and Industrial Applications", Barcelona, Spania, 10-12.05.2023.
12. "*Novel materials with microencapsulated essential oils, potential applications for skin cellular regeneration dressings*", Conferința internațională XXIIIrd SGEM GeoConference – "Green Science for Green Life", Viena, Austria, 27-29.11.2023.
13. "*Biopolymeric materials with moringa oleifera encapsulated essential oils, an innovative alternative to soft tissue wounds regeneration*", International Conference "5th International Conference on Environmental Design and Health, ICED2024", 18-20.10.2024.
14. "*Edible biopolymer packaging, zero-waste alternatives for preservation and consuming powdered beverages*", Conferința Internațională SGEM – Viena 2024, "Green Science and Green Life", 27-30.11.2024.
15. "*Workshop on read-across: role and guidance in chemical risk assessment*", EFSA, Bruxelles, Belgia, 27-28.03.2025.
16. "*The impact of persistent neurological manifestations in Long COVID-19 syndrome on daily life quality*", The 3rd International Electronic Conference on Biomedicines, online, 12-15.05.2025.
17. "*The Use of Biopolymers as Encapsulating Agents for Probiotic Strains*", International Conference on Bionegineering and Polymer Science, Brașov, România, 02-05.06.2025.
18. "*The role of nutritional education in the development of future adults*", 11th International Education and Innovative Sciences Congress, Azerbaijan, 12-13.06.2025.
19. "*The use of edible biopolymers for encapsulating probiotic strains: advantages in maintaining cell viability during storage",* 25th International Scientific Multidisciplinary Conference on Earth and Planetary Sciences SGEM 2025, Albena, Bulgaria, 28.06-07.07.2025.
20. "*Biologically active food products augmented with probiotics encapsulated in biopolymeric matrices",* 25th International Scientific Multidisciplinary Conference on Earth and Planetary Sciences SGEM 2025, Albena, Bulgaria, 28.06-07.07.2025.
21. "*The effects of konjac pasta consumption on appetite and energy intake*", International Congress on Nutrition, Food, Agriculture and Climate, Istanbul, Turcia, 21-22.08.2025.
22. "*The impact of excessive screen time on eating habits*", International Congress on Nutrition, Food, Agriculture and Climate, Istanbul, Turcia, 21-22.08.2025.
23. "*Biopolymers – based capsules as augmentation vectors for biologically active food products*", International Congress of Nutrition, Paris, Franța, 24-29.08.2025.

- **Brevete**
  **https://worldwide.espacenet.com/patent/search/family/086949462/publication/RO137486A2?q=Gheorghita%20Roxana**
  **14.01.2026**