

# LISTA PUBLICAȚII ȘI COMUNICĂRI ȘTIINȚIFICE ÎN ULTIMII 5 ANI (2021-2025)

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Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat

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12. Polaszek A., **Fusu L.**, Viggiani G., Hall A., Hanson P. & Polilov A.A. **2022**. Revision of the World Species of *Megaphragma* Timberlake (Hymenoptera: Trichogrammatidae). *Insects* 13(6): 561. <https://doi.org/10.3390/insects13060561>
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2. **Fusu, L.** & Gibson, G.A.P. **2025**. Eupelmidae. In Heraty J. & Woolley J. (Eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK, pp. 380–396. (ISBN-13: 9781800623521)
3. Gibson, G.A.P. & **Fusu, L.** **2025**. Leptoomidae. In Heraty J. & Woolley J. (Eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK, pp. 437–440. (ISBN-13: 9781800623521)
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9. Popescu I.E. & **Fusu, L. 2021**. *Eupelmus cavifrons* Bouček, 1965. In Murariu D. & Maican S. (Eds). *The Red Book of Invertebrates of Romania*. București: Editura Academiei Române, p. 403. (ISBN: 978-973-27-3357-8)
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Fusu L. (2025). The Role of Integrative Taxonomy of Microhymenopterans in Plant Protection. The 5th International Conference on Mountainous Agriculture and Green Plant Protection, Guiyang, China, August 8-12, 2025.

### **Comunicari (manifestari internatioanle)**

Jugariu Vicoleanu A., Tudosie P.M., Fusu L. (2025) Optimising the use of COI and ITS2 markers for molecular delimitation of *Ooencyrtus* (Hymenoptera, Encyrtidae). 27th Young Systematists' Forum, UK, 14 November 2025.

Ovidiu-Andrei GEORGESCU, Lucian FUSU, Viorel IONESI (2024) Upper Miocene fossil ants from Blănarului Hill (Vlădiceni, Iași County, Romania). 9th Central European Workshop of Myrmecology. 8 – 11 September 2024 Sibiu, Romania

Tony-Alexandra TICU, Daria Mihaela ALEXA, Teodora COZMA, Georgiana DIACONU, Matei-Florin FLOREA, Ovidiu-Andrei GEORGESCU, Ionuț-Alexandru IORGA, Ada MUTLUSOY, Rebeca-Alexandra PASCAL, Adina-Camelia POPOVICI, Marina-Raluca SEVERIN, Lucian FUSU (2024) Geographical distribution of the genus *Helix* (Gastropoda, Helicidae) in Romania. ZOOLOGYCON. 6-9 November 2024, București

Ovidiu-Andrei GEORGESCU, Alexandru-Mihai PINTILIOAIE, Lucian FUSU, Viorel IONESI (2024) Fossil and current ant species from Blănarului Hill (Vlădiceni, Iași County, Romania). ZOOLOGYCON. 6-9 November 2024, București.

Lucian HÂNCEANU, Maria-Magdalena DASCĂLU, Lucian FUSU (2024) Updating the distribution of *Osmoderma barnabita* in Romania, with new locality records for the northeastern part of the country. 6-9 November 2024, București.

Atodiresei M., Fusu L. 2022. Detection of bacterial endosymbionts of species from the *Eupelmus vesicularis* complex (Hymenoptera, Chalcidoidea) using molecular cloning and sequencing of 16s rRNA gene. The Young Systematists' Forum 2022, 11 noiembrie, UK.

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Lucian FUSU, Mălina ATODIRESEI, Maria-Magdalena DASCĂLU, Daniela GHERGHEL, Lucian HÂNCEANU, Mircea D. MITROIU, Ovidiu A. POPOVICI, Ionela-Mădălina VICIRIUC, Gabriela VOCHIȚA. Endosimbionții insectelor din genurile *Spalangia* și *Eupelmus* (Hymenoptera: Chalcidoidea). Tendințe în Biologie: de la molecule la sisteme complexe, Iasi, 28 - 29 Octombrie 2021

**LISTĂ LUCRĂRI**  
**Prof. dr. habil. Lucian Gorgan**

Nr. crt.	An	Articol	IF	AIS
1.	2021	Razvan Stefan Boiangiu, Marius Mihasan, Dragos Lucian Gorgan, Bogdan Alexandru Stache, Lucian Hritcu, 2021, Anxiolytic, Promnesic, Anti-Acetylcholinesterase and Antioxidant Effects of Cotinine and 6-Hydroxy-L-Nicotine in Scopolamine-Induced Zebrafish (Danio rerio) Model of Alzheimer's Disease, <i>Antioxidants</i> , 2021, 10(2), 212; <a href="https://doi.org/10.3390/antiox10020212">https://doi.org/10.3390/antiox10020212</a>	5,014	0,910
2.	2022	Paula A. Postu, Adrian Tiron, Crina Elena Tiron, Drago#153; Lucian Gorgan, Marius Mihasan, Lucian Hritcu, 2022 - Conifer Essential Oils Reversed Amyloid Beta1-42 Action by Modulating BDNF and ARC Expression in The Rat Hippocampus; <i>CNS &amp; Neurological Disorders - Drug Targets</i> , Volume 21, Issue 1, Jan 2022, p. 85 - 94, <a href="https://doi.org/10.2174/1871527320666210303111537">https://doi.org/10.2174/1871527320666210303111537</a>	3	0,487
3.	2022	Balmus Ioana-Miruna, Dana Copolovici, Lucian Copolovici, Alin Ciobica, and Dragos Lucian Gorgan. 2022. "Biomolecules from Plant Wastes Potentially Relevant in the Management of Irritable Bowel Syndrome and Co-Occurring Symptomatology" <i>Molecules</i> 27, no. 8: 2403. <a href="https://doi.org/10.3390/molecules27082403">https://doi.org/10.3390/molecules27082403</a>	4,6	0,660
4.	2022	Dragoș, Mihaiela L., Iuliu C. Ivanov, Mihaela Mențel, Irina C. Văcărean-Trandafir, Adriana Sireteanu, Amalia A. Titianu, Angela S. Dăscălescu, Alexandru B. Stache, Daniela Jitaru, and Dragoș L. Gorgan. 2022. "Prognostic Value of Association of Copy Number Alterations and Cell-Surface Expression Markers in Newly Diagnosed Multiple Myeloma Patients" <i>International Journal of Molecular Sciences</i> 23, no. 14: 7530. <a href="https://doi.org/10.3390/ijms23147530">https://doi.org/10.3390/ijms23147530</a>	5,6	1,030
5.	2022	Mavroudis, Ioannis, Ioana-Miruna Balmus, Alin Ciobica, Alina-Costina Luca, Rumana Chowdhury, Alin-Constantin Iordache, Dragos Lucian Gorgan, and Iulian Radu. 2022. "Mini-Review on the Harlequin Syndrome—A Rare Dysautonomic Manifestation Requiring Attention" <i>Medicina</i> 58, no. 7: 938. <a href="https://doi.org/10.3390/medicina58070938">https://doi.org/10.3390/medicina58070938</a>	2,6	0,523
6.	2022	Leti Livia-Ioana, Ioana Cristina Gerber, Ilarion Mihaila, Paula-Maria Galan, Silvia Strajeru, Denisa-Elena Petrescu, Mirela-Mihaela Cimpeanu, Ionut Topala, and Dragos-Lucian Gorgan. 2022. "The Modulatory Effects of Non-Thermal Plasma on Seed's Morphology, Germination and Genetics—A Review" <i>Plants</i> 11, no. 16: 2181. <a href="https://doi.org/10.3390/plants11162181">https://doi.org/10.3390/plants11162181</a>	4,5	0,623
7.	2022	Curpăn, Alexandrina S., Ioana-Miruna Balmus, Romeo P. Dobrin, Alin Ciobica, Gabriela E. Chele, Dragos Lucian Gorgan, and Alexandra Boloș. 2022. "A Mini-Review Regarding the Modalities to Study Neurodevelopmental Disorders-Like Impairments in Zebrafish—Focussing on Neurobehavioural and Psychological Responses" <i>Brain Sciences</i> 12, no. 9: 1147. <a href="https://doi.org/10.3390/brainsci12091147">https://doi.org/10.3390/brainsci12091147</a>	3,3	0,772
8.	2022	Postu, Paula Alexandra, Marius Mihasan, Dragos Lucian Gorgan, Fatima Zahra Sadiki, Mostafa El Idrissi, and Lucian Hritcu. 2022. "Pinus halepensis Essential Oil Ameliorates Aβ1-42-Induced Brain Injury by Diminishing Anxiety, Oxidative Stress, and Neuroinflammation in Rats" <i>Biomedicines</i> 10, no. 9: 2300. <a href="https://doi.org/10.3390/biomedicines10092300">https://doi.org/10.3390/biomedicines10092300</a>	4,7	0,804

9.	2022	Davidescu, Madalina-Alexandra, Daniel Simeanu, Dragos-Lucian Gorgan, Mitica Ciorpac, and Steofil Creanga. 2022. "Analysis of Phylogeny and Genetic Diversity of Endangered Romanian Grey Steppe Cattle Breed, a Reservoir of Valuable Genes to Preserve Biodiversity" <i>Agriculture</i> 12, no. 12: 2059. <a href="https://doi.org/10.3390/agriculture12122059">https://doi.org/10.3390/agriculture12122059</a>	3,6	0,437
10.	2023	Mavroudis, Ioannis, Foivos Petridis, Ioana-Miruna Balmus, Alin Ciobica, Dragos Lucian Gorgan, and Alina Costina Luca. 2023. "Review on the Role of Salivary Biomarkers in the Diagnosis of Mild Traumatic Brain Injury and Post-Concussion Syndrome" <i>Diagnostics</i> 13, no. 8: 1367. <a href="https://doi.org/10.3390/diagnostics13081367">https://doi.org/10.3390/diagnostics13081367</a>	3,6	0,670
11.	2023	Savuca, Alexandra, Mircea Nicușor Nicoara, Alin Ciobica, Dragos Lucian Gorgan, Dorel Ureche, and Ioana Miruna Balmus. 2023. "Current Aspects on the Plastic Nano- and Microparticles Toxicity in Zebrafish—Focus on the Correlation between Oxidative Stress Responses and Neurodevelopment" <i>Animals</i> 13, no. 11: 1810. <a href="https://doi.org/10.3390/ani13111810">https://doi.org/10.3390/ani13111810</a>	3	0,499
12.	2023	Mavroudis, Ioannis, Ioana-Miruna Balmus, Alin Ciobica, Alina-Costina Luca, Dragos Lucian Gorgan, Irina Dobrin, and Irina Luciana Gurzu. 2023. "A Review of the Most Recent Clinical and Neuropathological Criteria for Chronic Traumatic Encephalopathy" <i>Healthcare</i> 11, no. 12: 1689. <a href="https://doi.org/10.3390/healthcare11121689">https://doi.org/10.3390/healthcare11121689</a>	2,8	0,518
13.	2023	Stache, Alexandru Bogdan, Ilarion Mihăilă, Ioana Cristina Gerber, Loredana Mihaiela Dragoș, Cosmin Teodor Mihai, Iuliu Cristian Ivanov, Ionuț Topală, and Dragoș-Lucian Gorgan. 2023. "Optimization of Indirect CAP Exposure as an Effective Osteosarcoma Cells Treatment with Cytotoxic Effects" <i>Applied Sciences</i> 13, no. 13: 7803. <a href="https://doi.org/10.3390/app13137803">https://doi.org/10.3390/app13137803</a>	2,5	0,428
14.	2023	Galan, Paula-Maria, Livia-Ioana Leti, Silvia Strajeru, Denisa-Elena Petrescu, Mirela-Mihaela Cimpeanu, Alina-Carmen Tanasa, Dan-Marius Sandru, and Dragos-Lucian Gorgan. 2023. "Assessment of the Geographic Origin of Romanian Common Bean ( <i>Phaseolus vulgaris</i> L.) Landraces Using Molecular Markers and Morphological Traits" <i>Agronomy</i> 13, no. 11: 2820. <a href="https://doi.org/10.3390/agronomy13112820">https://doi.org/10.3390/agronomy13112820</a>	3,3	0,503
15.	2024	Soreanu, Gabriela, Catalin Tanase, Constantin Mardari, Dragos Lucian Gorgan, and Igor Cretescu. 2024. "Physiological Investigations of the Plants Involved in Air Biofiltration: Study Case" <i>Sustainability</i> 16, no. 4: 1529. <a href="https://doi.org/10.3390/su16041529">https://doi.org/10.3390/su16041529</a>	3,3	0,538
16.	2024	Galan PM, Ivanescu LC, Leti LI, Zamfirache MM, Gorgan DL. Comparative Effects of Water Scarcity on the Growth and Development of Two Common Bean ( <i>Phaseolus vulgaris</i> L.) Genotypes with Different Geographic Origin (Mesoamerica/Andean). <i>Plants (Basel)</i> . 2024 Jul 30;13(15):2111. doi: 10.3390/plants13152111.	4,1	0,665
17.	2024	Ion Brinza, Razvan Stefan Boiangiu, Marius Mihasan, Dragos Lucian Gorgan, Alexandru Bogdan Stache, Ahmed Abd-Alkhalek, Heba El-Nashar, Iriny Ayoub, Nada Mostafa, Omayma Eldahshan, Abdel Nasser Singab, Lucian Hritcu, 2024, Rhoifolin, baicalein 5,6-dimethyl ether and agathisflavone prevent amnesia induced in scopolamine zebrafish ( <i>Danio rerio</i> ) model by increasing the mRNA expression of bdnf, npy, egr-1, nfr2 $\alpha$ , and creb1 genes, <i>European Journal of Pharmacology</i> , Volume 984, 5, <a href="https://doi.org/10.1016/j.ejphar.2024.177013">https://doi.org/10.1016/j.ejphar.2024.177013</a>	4,7	0,879

<b>40</b>	<b>2025</b>	Ionescu C, Ghidersa M, Ciobica A, Mavroudis I, Kazis D, Petridis FE, Gorgan DL, Balmus I-M. Potential Correlation Between Molecular Biomarkers and Oxidative Stress in Traumatic Brain Injury. International Journal of Molecular Sciences. 2025; 26(8):3858. <a href="https://doi.org/10.3390/ijms26083858">https://doi.org/10.3390/ijms26083858</a>	<b>4,9</b>	<b>1,055</b>
<b>41</b>	<b>2025</b>	Brinza I, Stache BA, Mihasan M, Gorgan DL, El Raey MA, El-Kashak W, Eldahshan OA, Hritcu L. Sweroside Modulates Oxidative Stress and Neuroplasticity-Related Gene Expression in Scopolamine-Treated Zebrafish. CNS Neurol Disord Drug Targets. 2025 Feb 6. doi: 10.2174/0118715273345712250119200430. Epub ahead of print. PMID: 39936435.	<b>3</b>	<b>0,522</b>

## Lista lucrărilor științifice în ultimii 5 ani (2021-2025)

### Lucrări indexate ISI

1. Tudorancea IM, Stanciu GD, Torrent C, Madero S, **Hritcu L**, Tamba BI. Psychedelic interventions for major depressive disorder in the elderly: Exploring novel therapies, promise and potential. *Dialogues Clin Neurosci.* 2025 Dec;27(1):98-111. doi: 10.1080/19585969.2025.2499458, PMID: 40327362; PMCID: PMC12057789.
2. Brinza I, Stache BA, Mihasan M, Gorgan DL, El Raey MA, El-Kashak W, Eldahshan OA, **Hritcu L**, 2025, Sweroside Modulates Oxidative Stress and Neuroplasticity-Related Gene Expression in Scopolamine-Treated Zebrafish, *CNS & Neurological Disorders-Drug Targets* 24 (12), 921-930.
3. Brinza, I., Boiangiu, R.S., Bagci, E., Todirascu-Ciornea, E., **Hritcu, L.**, Dumitru, G., 2025, Melissa officinalis essential oil modulates oxidative balance, cholinergic activity, and cognitive performance in a scopolamine-induced zebrafish model: implications for neuroprotective strategies in cognitive disorders. *Sci Rep* 15, 38171. <https://doi.org/10.1038/s41598-025-22125-9>.
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39. Boiangiu RS, Mihasan M, Gorgan DL, Stache BA, **Hritcu L.**, 2021, Anxiolytic, Promnesic, Anti-Acetylcholinesterase and Antioxidant Effects of Cotinine and 6-Hydroxy-L-Nicotine in Scopolamine-Induced Zebrafish (*Danio rerio*) Model of Alzheimer's Disease, *Antioxidants* (Basel). 2021 Feb 1;10(2):212. doi: 10.3390/antiox10020212
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### Brevete obținute în străinătate

1. SE Szedlacsek, R Badea, H Szedlacsek, **L Hritcu**, 2024, Interference Peptides As Inhibitors Of Interactions Related To Ampar Endocytosis, USA Patent App. 18/491,750, US11834518B2

### Conferințe internaționale

1. **Invited speaker**, 5th International Symposium on Phytochemicals in Medicine and Food, August 25- September 01, 2021, Nanchang, China, Baicalein 5,6-dimethyl ether prevents memory deficits in the scopolamine zebrafish model by regulating cholinergic and antioxidant systems.
2. **Invited speaker**, 3rd International Conference on Preventive Medicine (3rd ICPM), 24-27 November 2021, Online-Turkey, Effects of 6-hydroxy-L-nicotine in scopolamine-induced a zebrafish (*Danio rerio*) model of cognitive impairment: behavioral and molecular approaches
3. **Short Lecture Speaker**, 5th International Conference on Natural Products Utilization: from Plants to Pharmacy Shelf (ICNPU-2023, Sts. Constantine and Helena, Bulgaria), May 30-2 June, 2023, The impact of 6-hydroxy-L-nicotine on intracellular A $\beta$ 1-42 aggregation capacity.
4. **Invited speaker**, 7th International Symposium on Phytochemicals in Medicine and Food, August 1-7, 2023, Beijing, China, 6-hydroxy-L-nicotine inhibits A $\beta$ 1-42 aggregation capacity in human cancer cells.
5. **Invited speaker**, 4th International Symposium on Phytochemicals in Medicine and Food, Nov.30 - Dec.04, 2020, Xian, China, Ameliorative effects of rhoifolin in scopolamine-induced amnesic zebrafish (*Danio rerio*) model.
6. **Invited speaker**, 8th International Symposium on Phytochemicals in Medicine and Food, August 2-6, 2024, Shenyang, China, Effects of 6-hydroxy-L-nicotine in amyloid  $\beta$  toxicity and Alzheimer's

disease-like pathology in 5XFAD mice.

7. **Keynote speaker**, 5th European Symposium/ 1st Meeting of the European Network for Sigma1 Receptor as a Therapeutic Opportunity (SIGMA-1EUROPE - CA23156), 25-27 June 2025, Granada, Spain, Neuroprotective Potential of 6-Hydroxy-L-Nicotine: Modulating Memory, Oxidative Stress, and Neuroinflammation

8. **Invited Speaker**, 6<sup>th</sup> International Conference on Natural Products Utilization: From Plants to Pharmacy Shelf, 27–30 May 2025, Bansko, Bulgaria, Effects of Ceratonia siliqua L. aqueous leaves extract against A $\beta$ 1-42-induced cognitive deficit mice: Role of  $\alpha$ 7-nAChR in modulating Jak2/PI3K/Akt/GSK-3 $\beta$ / $\beta$ -catenin cascade.

9. **Invited speaker**, PSE Meeting 2022: Natural Products in Drug Discovery and Development-Advances and Perspectives, September 19-22, 2022, Iasi, Romania, New insights into memory-enhancing activities of essential oils (Lamiaceae) in the brain: involving of the cholinergic system and oxidative stress.

10. **Invited speaker**, The 9<sup>th</sup> volatile oil gallery – Neurological and Psychiatric Disorders: volatile oils as adjuvant therapy, 6-7 December, 2022, Ain Shams University, Egypt, Memory-enhancing activities of essential oils (Lamiaceae) in the brain: involving of the cholinergic system and oxidative stress

#### **Conferințe naționale**

1. **Invited speaker**, 3rd International Conference on Neuroscience, Neuroinformatics, Neurotechnology and Neuro-Psycho-Pharmacology, October 26-28 2023, Bucharest, Romanian Academy, Romania, Effects of Ceratonia siliqua L. aqueous leaves extract against A $\beta$ 1-42-induced cognitive deficit mice: Role of  $\alpha$ 7-nAChR in modulating Jak2/PI3K/Akt/GSK-3 $\beta$ / $\beta$ -catenin cascade

**Data:**

**Semnătura:**

**Marius I. Mihășan, Prof.Dr. Habil.**

**A. Publicații ISI – autor principal, ultimii 5 ani (2021-2025)**

1. Mihasan, M. A Beginner's Guideline for Low-cost 3D Printing of Macromolecules Usable for Teaching and Demonstration *Biochem. Mol. Biol. Educ.* 2021
2. Mihășan M, Boiangiu RS, Guzun D., Babii C, Aslebagh R, Channaveerappa D, Dupree E, Darie CC. Time-Dependent Analysis of *Paenarthrobacter nicotinovorans* pAO1 Nicotine-Related Proteome *ACS Omega*, 2021, 6(22), 14242-14251
3. El-Sabeh, A; Honceriu, L; Kallabi, F; Boiangiu, RS; Mihasan, M - Complete Genome Sequences of Two Closely Related *Paenarthrobacter nicotinovorans* Strains *MICROBIOLOGY RESOURCE ANNOUNCEMENTS* - 2022 11(6)e00133-22  
<https://doi.org/10.1128/mra.00133-22>
4. El-Sabeh, Amada; Mlesnita, Andreea-Mihaela; Munteanu, Iustin-Tiberius; Honceriu, Iasmina; Kallabi, Fakhri; Boiangiu, Razvan-Stefan; Mihasan, Marius - Characterisation of the *Paenarthrobacter nicotinovorans* ATCC 49919 genome and identification of several strains harbouring a highly syntenic *nic*-genes cluster *BMC GENOMICS* 24(1):Article Number: 536 DOI: 10.1186/s12864-023-09644-3 Accession Number: WOS:001065807000005 PubMed ID: 37697273
5. Boiangiu, RS (Boiangiu, Razvan Stefan); Brinza, I (Brinza, Ion); Honceriu, I (Honceriu, Iasmina); Mihasan, M (Mihasan, Marius); Hritcu, L (Hritcu, Lucian), Insights into Pharmacological Activities of Nicotine and 6-Hydroxy-L-nicotine, a Bacterial Nicotine Derivative: A Systematic Review *BIOMOLECULES*. 2024 14(1):Article Number: 23 DOI: 10.3390/biom14010023
6. El-Sabeh, A; Mlesnita, AM; Mihasan, M, Integrated transcriptomic and proteomic analysis of nicotine metabolism in *Paenarthrobacter nicotinovorans* ATCC 49919 *INTERNATIONAL BIODETERIORATION & BIODEGRADATION*, 2025, 199 Article Number: 106017 DOI: 10.1016/j.ibiod.2025.106017 WOS:001425057700001
7. Razvan-Stefan, B; Nicoleta, PL; Mihasan, M, Impact of 3D-printed molecular models on student understanding of macromolecular structures: a compensatory research study *BIOCHEMISTRY AND MOLECULAR BIOLOGY EDUCATION*, 2025 53(4): 358-369 DOI: 10.1002/bmb.21902 WOS:001463507800001, PubMed ID: 40214166"

**B. Publicații ISI – coautor, ultimii 5 ani (2021-2025)**

1. Boiangiu, RS; Mihasan, M; Gorgan, DL; Stache, BA; Hritcu, L, Anxiolytic, Promnesic, Anti-Acetylcholinesterase and Antioxidant Effects of Cotinine and 6-Hydroxy-L-Nicotine in Scopolamine-Induced Zebrafish (*Danio rerio*) Model of Alzheimer's Disease *ANTIOXIDANTS*, 10(2), 212, FEB 2021
2. Paula Alexandra Postu, Adrian Tiron, Crina Elena Tiron, Dragoș Lucian Gorgan, Marius Mihasan, Lucian Hritcu, Conifer Essential Oils Reversed Amyloid Beta1-42 Action by Modulating BDNF and ARC Expression in The Rat Hippocampus. *CNS & Neurological Disorders Drug Targets*, 2021
3. Madi-Moussa, D; Deracinois, B; Teiar, R; Li, YY; Mihasan, M; Flahaut, C; Rebuffat, S; Coucheney, F; Drider, D - Structure of Lacticaseicin 30 and Its Engineered Variants Revealed an Interplay between the N-Terminal and C-Terminal Regions in the Activity against Gram-Negative Bacteria *Pharmaceutics* 2022, 14(9), 1921;  
<https://doi.org/10.3390/pharmaceutics14091921>

4. Perez-Ramos, A (Perez-Ramos, Adrian); Ladjouzi, R (Ladjouzi, Rabia); Mihasan, M (Mihasan, Marius); Teiar, R (Teiar, Radja); Benachour, A (Benachour, Abdellah); Drider, D (Drider, Djamel) - Advances in Characterizing the Transport Systems of and Resistance to EntDD14, A Leaderless Two-Peptide Bacteriocin with Potent Inhibitory Activity INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 2023, 24(2) Article Number: 1517 DOI: 10.3390/ijms24021517 WOS:000915203300001 PubMed ID: 36675049
5. Postu, PA; Mihasan, M; Gorgan, DL; Sadiki, FZ; El Idrissi, M; Hritcu, L - Pinus halepensis Essential Oil Ameliorates A $\beta$ 1-42-Induced Brain Injury by Diminishing Anxiety, Oxidative Stress, and Neuroinflammation in Rats Biomedicines 2022, 10(9), 2300; <https://doi.org/10.3390/biomedicines10092300>
6. Brinza, I (Brinza, Ion); Boiangiu, RS (Boiangiu, Razvan Stefan); Mihasan, M (Mihasan, Marius); Gorgan, DL (Gorgan, Dragos Lucian); Stache, AB (Stache, Alexandru Bogdan); Abd-Alkhalek, A (Abd-Alkhalek, Ahmed); El-Nashar, H (El-Nashar, Heba); Ayoub, I (Ayoub, Iriny); Mostafa, N (Mostafa, Nada); Eldahshan, O (Eldahshan, Omayma); Singab, AN (Singab, Abdel Nasser); Hritcu, L (Hritcu, Lucian) Rhoifolin, baicalein 5,6-dimethyl ether and agathisflavone prevent amnesia induced in scopolamine zebrafish (*Danio rerio*) model by increasing the mRNA expression of *bdnf*, *npv*, *egr-1*, *nfr2 $\alpha$* , and *creb1* genes EUROPEAN JOURNAL OF PHARMACOLOGY, 2024, 984: Article Number: 177013 DOI: 10.1016/j.ejphar.2024.177013
7. Postu, PA (Postu, Paula Alexandra); Boiangiu, RS (Boiangiu, Razvan Stefan); Mihasan, M (Mihasan, Marius); Stache, AB (Stache, Alexandru Bogdan); Tiron, A (Tiron, Adrian); Hritcu, L (Hritcu, Lucian), The Distinct Biological Effects of 6-Hydroxy-L-Nicotine in Representative Cancer Cell Lines MOLECULES 2024, 29(23): Article Number: 5593 DOI: 10.3390/molecules29235593 Published Date: 2024 DEC Accession Number: WOS:001376356000001"
8. Morosan, IC (Morosan, Ioana-Claudia); Mihasan, M (Mihasan, Marius); Zamfirache, MM (Zamfirache, Maria-Magdalena), An insight into the biochemical content of *Colchicum autumnale* L. throughout its ontogenetic cycle NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA 2025, 53(3): Article Number: 14572 DOI: 10.15835/nbha53314572
9. Mantea, LE (Mantea, Loredana-Elena); El-Sabeh, A (El-Sabeh, Amada); Mihasan, M (Mihasan, Marius); Stefan, M (Stefan, Marius), *Bacillus safensis* P1.5S Exhibits Phosphorus-Solubilizing Activity Under Abiotic Stress HORTICULTURAE, 2025 Volume: 11 Issue: 4 Article Number: 388 DOI: 10.3390/horticulturae11040388, Accession Number: WOS:001474451900001

#### C. Publicații BDI – autor principal, ultimii 5 ani (2021-2025)

1. Abalășei, M., Pioară, M., & Mihasan, M. (2023). From Erlenmeyer flask to microplates – lessons learned from measuring *Escherichia coli* growth. Journal of Experimental and Molecular Biology, 24(3), 145–150.

#### D. Publicații BDI – co-autor, ultimii 5 ani (2021-2025)

1. Loredana Elena, M., El-Sabeh, A., Mihasan, M., & Stefan, M. (2025). Unraveling the plant growth-promoting potential of *Bacillus safensis* P1.5S through genome analysis. *Journal of Experimental and Molecular Biology*, 26(4), 199–214.

**E. Comunicări la manifestări internaționale, prezentări orale, ultimii 5 ani (2021-2025)**

1. Mihășan Marius; Boiangiu Răzvan-Ștefan; Popa Laura Nicoleta, Impact Of 3D-printed molecular models on teaching protein and DNA structure, Natural Sciences in the Dialog of Generations VIIth Edition, Universitatea de Stat din Moldova, Chișinău, Rep. Moldova, 12-13.09.2024

**F. Comunicări la manifestări internaționale, prezentări poster, ultimii 5 ani (2021-2025)**

1. Mihaela Tanas, Andreea Mihaela Mlesnita, Andrei Scutelnicu, Angel Herráez, Marius Mihasan, 3DP-Jmol – an automatic tool for generating 3D printable molecular models from structural data, 49th FEBS Congress, Istanbul, Turcia, 5–9 July, 2025
2. Marius Mihasan A Guideline for 3D Printing Macromolecular Models on the Cheap, Molecular Life Sciences Education and Training Conference, March 20-23, 2024, Antalya, Turcia
3. Marius Mihășan, Abdelrahman Mohamed Taha Mahmoud, Putting figures from Lehninger’s textbook on the table using 3D printing 47th FEBS Congress – ‘Together in bioscience for a better future’, Tours, France, 8th - 12th July 2023
4. Mihasan Marius - Lessons learned from 3D printing macromolecular models for teaching and demonstration- The IUBMB-FEBS-PABMB 2022 Congress - The Global Biochemistry Summit, 9-14 July 2022, Lisabona, Portugal, Best Education section poster award by SPB
5. Amada El-Sabeh, I. Honceriu, F. Kallabi, R. Boiangiu, M. Mihășan. - Complete genome sequence of the well-studied nicotine-degrading microorganism *Paenarthrobacter nicotinovorans* strain ATCC 49919, FEMS Conference on Microbiology, June 29 - July 2nd, 2022, Belgrade, Serbia
6. Mihasan M., Boiangiu R.S., Guzun D., Babii C., Aslebagh R., Channaveerappa D., Dupree D., Darie CC. - Proteome-wide analysis of *Paenarthrobacter nicotinovorans* ATCC 49919 nicotine- metabolism, FEMS Conference on Microbiology, June 29 - July 2nd, 2022, Belgrade, Serbia
7. Mihasan M., Boiangiu R.S., Guzun D., Babii C., Aslebagh R., Channaveerappa D., Dupree D., Darie CC., Integration and regulation of nicotine metabolism in *Paenarthrobacter nicotinovorans* as revealed by proteomic data. 70th ASMS Conference on Mass Spectrometry and Allied Topics, June 5-9 2022, Minneapolis, Minnesota, USA
8. Mihasan, M. A guideline for 3D printing of macromolecular models on the cheap, EMBL Conference: Bringing Molecular Structure to Life: 50 Years of the PDB, 20 - 22 October 2021, Virtual
9. Mihasan Marius, F. Kallabi - Draft genome of a useful bacteria - *Paenarthrobacter nicotinovorans*, The 45th FEBS Congress - Molecules of Life: Towards new horizons, 2-8 July, 2021, Virtual

10. Mihasan, M. A guideline for 3D Printing of macromolecular models on the cheap, PDB50: A special symposium celebrating the 50th anniversary of the Protein Data Bank, May 4, 2021 - May 5, 2021, Virtual

#### **G. Comunicări la manifestări naționale, prezentări orale, ultimii 5 ani (2021-2025)**

1. Marius Mihășan, 3DP-Jmol: Bridging Structural Bioinformatics and Physical Models for Teaching and Outreach, International Conference: Molecular Biology- Current Aspects and Prospects, Cluj-Napoca, Romania, 4-7 November, 2025
2. Marius Mihășan, 3DP-Jmol: easy conversion of structural data into classroom-ready 3D printable molecular models, FBSS 2025, Iași, Romania, 23-26 October, 2025
3. Marius Mihășan, Bridging Abstract Concepts and Tangible Learning: 3D-Printed Models in Biomolecular Science Education, Bioinformatics Horizons '25, Bucharest, Romania, April 2-4, 2025
4. Marius Mihășan, Putting molecules from the computer screen into students' hands using 3D printing. Education work-shop Promoting visual literacy in bio-molecular sciences education, Bucharest, 24 September 2024
5. Mihasan Marius - Multi-omics characterisation of nicotine metabolism in Paenarthrobacter nicotinovorans, The 2023 RoBioinfo Conference, 11th-13th May 2023,
6. Mihasan Marius - Steps towards the multi-omics characterization of nicotine metabolism in Paenarthrobacter nicotinovorans ATC 49919, Smart Diaspora 2023, Timisoara, 10th-13th April 2023
7. Mihasan M - Using molecular models for a better education in Life Sciences, October 2021, Iasi, Romania

#### **H. Prelegeri invitate la institutii din strainatate, ultimii 5 ani (2021-2025)**

1. Mihasan Marius - Full omics characterisation of a bacteria. Case study - Paenarthrobacter nicotinovorans pAO1 and its nicotine metabolism, Salerno University, Host Assoc. Prof. Anna Maraboti, May 26, 2023
2. Mihasan Marius - 3D printed macromolecular models usable for teaching and demonstration, Salerno University, Host Assoc. Prof. Anna Maraboti, May 26, 2023
3. Mihasan, M. 3D printed macromolecular models usable for teaching and demonstration Marmara University, Host Dr. Beste Turanli June 2022, Istanbul, Turkey
4. Mihasan, M. Full omics characterization of a bacteria. Case study - Paenarthrobacter nicotinovorans pAO1 and its nicotine metabolism, Marmara University, Host Dr. Beste Turanli June 2022, Istanbul, Turkey
5. Mihasan, M. Full omics characterization of a bacteria. Case study - Paenarthrobacter nicotinovorans pAO1 and its nicotine metabolism, Clarkson University, Host Dr. Costel C. Darie, June 2022, Potsdam, NY, USA
6. Mihasan, M., Genome sequencing as a tool to unlock the full biotechnological potential of bacteria, Clarkson University, School of Arts & Sciences, Walsh Seminar Series, Host Dr. Costel C. Darie, April 2022, Potsdam, NY, USA, Virtual
7. Mihasan, M., 3D printed macromolecular models usable for teaching and demonstration Clarkson University, School of Arts & Sciences, Walsh Seminar Series, Host Dr. Costel C. Darie, April 2021, Potsdam, NY, USA, Virtual

## Prof. Dr. Habil. Mitroiu Mircea-Dan – Lista contribuțiilor 2021-2025

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### Capitole de carte

1. Burks R.A., Heraty J.M., Gibson G.A.P., Rasplus J.-Y., Woolley J.B., Janšta .P, Fusu L. & **Mitroiu M.-D.**, 2025. Key to families of Chalcidoidea. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 135-169. ISBN-13: 9781800623521 (hardback)
2. **Mitroiu M.-D.**, Burks R.A. & Rasplus J.-Y., 2025. Ceidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 241-244. ISBN-13: 9781800623521 (hardback)
3. van Noort, S., Rasplus J.-Y. & **Mitroiu M.-D.**, 2025. Diparidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 305-309. ISBN-13: 9781800623521 (hardback)
4. Burks R.A., **Mitroiu M.-D.** & Rasplus J.-Y., 2025. Eunotidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 376-379. ISBN-13: 9781800623521 (hardback)
5. Burks R.A., **Mitroiu M.-D.** & Rasplus J.-Y., 2025. Melanosomellidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 479-484. ISBN-13: 9781800623521 (hardback)
6. Burks R.A., Rasplus J.-Y. & **Mitroiu M.-D.**, 2025. Moranilidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 493-496. ISBN-13: 9781800623521 (hardback)
7. Rasplus J.-Y., **Mitroiu M.-D.** & Burks R.A., 2025. Neodiparidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 523-525. ISBN-13: 9781800623521 (hardback)
8. Hanson P.E., Janšta P., Viciriuc I.M., **Mitroiu M.-D.**, van Noort S. & Rasplus J.-Y., 2025. Ormyridae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 530-537. ISBN-13: 9781800623521 (hardback)
9. **Mitroiu M.-D.**, Burks R.A. & Rasplus J.-Y., 2025. Pirenidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 558-563. ISBN-13: 9781800623521 (hardback)
10. Burks R.A., **Mitroiu M.-D.**, Cruaud A. & Rasplus J.-Y., 2025. Pteromalidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 568-595. ISBN-13: 9781800623521 (hardback)

11. **Mitroiu M.-D.**, Burks R.A., Rasplus J.-Y. & Heraty J.M., 2025. Spalangiidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 603-610. ISBN-13: 9781800623521 (hardback)
12. **Mitroiu M.-D.**, Burks R.A. & Rasplus J.-Y., 2025. Systasidae. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 611-614. ISBN-13: 9781800623521 (hardback)
13. Burks R.A., Rasplus J.-Y., **Mitroiu M.-D.**, Gibson G.A.P., Fusu L. & Kresslein R.L., 2025. *Incertae sedis* Taxa in Chalcidoidea. In Heraty, J.M. and Woolley, J.B. (eds). *Chalcidoidea of the World*. CABI Publishing, Wallingford, UK: 660-678. ISBN-13: 9781800623521 (hardback)

### Article indexate WoS

1. **Mitroiu M-D**, Andriescu I, & Manic G, 2024. The Afrotropical and West-Palaeartic species of *Ecrizotes* Förster (Hymenoptera: Pirenidae). *European Journal of Taxonomy* 970(1): 1–37. <https://doi.org/10.5852/ejt.2024.970.2745>
2. **Mitroiu M-D**, Rasplus J-Y, van Noort S. 2024. New genera of Afrotropical Chalcidoidea (Hymenoptera: Cerocephalidae, Epichrysomallidae, Pirenidae and Pteromalidae). *PeerJ* 12: e16798
3. Tselikh EV, Lee J, Haas M, **Mitroiu M-D**, Ku D-S, 2024. Review of the Palaeartic species of *Apsilocera* Bouček, 1956 (Chalcidoidea, Pteromalidae), with descriptions of the eight new species. *ZooKeys* 1215: 259–288.
4. van Noort S, **Mitroiu M-D**, Burks R, Gibson G, Hanson P, Heraty J, Jansta P, Cruaud A & Rasplus J-Y, 2024. Redefining Ormyridae (Hymenoptera, Chalcidoidea) with establishment of subfamilies and description of new genera. *Systematic Entomology*: 1–48.
5. Todorov I, **Mitroiu M-D**, Bobeva A, Boyadzhiev P, 2024. Description of *Mesopolobus askewi* sp. nov. (Hymenoptera, Pteromalidae), with notes on the fauna of Asaphesinae and Pteromalidae (Hymenoptera, Chalcidoidea) collected from foliage of *Picea abies* (L.) H. Karst. in Bulgaria. *Biodiversity Data Journal* 12: e139403.
6. Koutsoukos E, Demetriou J, Georgiadis C, **Mitroiu M-D**, Compton S, Martinou A, 2024. Highlighting overlooked biodiversity through online platforms: The “Chalcid Wasps of Cyprus” website. *Biodiversity Data Journal* 12: e129367.
7. Cruaud A., Rasplus J.-Y. ✉, Zhang J., Burks R., Delvare G., Fusu L., Gumovsky A., Huber J.T., Janšta P., **Mitroiu M.-D.**, Noyes J.S., van Noort S., Baker A., Böhmová J., Baur H., Blaimer B.B., Brady S.G., Bubeníková K., Chartois M., Copeland R.S., Dale-Skey Papilloud N., Dal Molin A., Dominguez C., Gebiola M., Guerrieri E., Kresslein

R.L., Krogmann L., Lemmon E., Murray E.A., Nidelet S., Luis Nieves-Aldrey J., Perry R.K., Peters R.S., Polaszek A., Sauné L., Torréns J., Triapitsyn S., Tselikh E.V., Yoder M., Lemmon A.R., Woolley J.B., Heraty J.M. ✉ 2024. The Chalcidoidea bush of life: evolutionary history of a massive radiation of minute wasps. *Cladistics* 40(1): 34-63 [online first 2 November 2023]

8. **Mitroiu M-D**, Koutsoukos E, 2023. *Perilampus neglectus* and other neglected species: new records of Palaearctic Perilampidae (Hymenoptera, Chalcidoidea), with a key to European species of *Perilampus*. *Journal of Hymenoptera Research* 96: 57-99.
9. Viciriu I.-M., **Mitroiu M.-D.**, Askew R. R., Ris N., Fusu L. ✉ & Borowiec N. 2023. *Torymus sinensis* and its close relatives in Europe: a multilocus phylogeny, detailed morphological analysis, and identification key. *Arthropod Systematics & Phylogeny* 81: 705–730.
10. **Mitroiu M-D**, 2022. The Afrotropical species of *Habritella* Girault & Dodd (Hymenoptera: Pteromalidae). *European Journal of Taxonomy* 813: 155-172.
11. Burks R. ✉, **Mitroiu M.-D.**, Fusu L., Heraty J.M., Janšta P., Heydon S., Papilloud N.D.-S., Peters R.S., Tselikh E.V., Woolley J.B., van Noort S., Baur H., Cruaud A., Darling C., Haas M., Hanson P., Krogmann L., Rasplus J.-Y. 2022 From hell's heart I stab at thee! A determined approach towards a monophyletic Pteromalidae and reclassification of Chalcidoidea (Hymenoptera). *Journal of Hymenoptera Research* 94: 13–88.
12. Karamaouna F., Kati V., Economou L., Troyanos G., Samara M., Liberopoulou S., Barda M., **Mitroiu M.-D.** & Edwards M., 2022. Selected flowering plants as a habitat for pollinators and natural enemies in field margins of a watermelon crop—implications for crop yield. *International Journal of Pest Management*: 1-17.
13. Milosavljević M.D., Tabaković-Tošić M.G., Todorov I.A., **Mitroiu M.-D.** & Georgiev G.T., 2021. New Records of Pteromalid Parasitoids (Hymenoptera: Pteromalidae) Reared from the Spruce Bark Beetle *Ips typographus* (L., 1758) from Serbia. *Acta Zoologica Bulgarica* 73(3): 481-484.
14. Kati V., Karamaouna F., Economou L., Mylona P. V., Samara M., **Mitroiu M.-D.**, Barda M., Edwards M. & Liberopoulou S., 2021. Sown Wildflowers Enhance Habitats of Pollinators and Beneficial Arthropods in a Tomato Field Margin. *Plants-Basel*, 10: 1003.

#### Articole indexate BDI

1. Rahmani Z., Rakhshani E., Lotfalizadeh H., Mokhtari A. & **Mitroiu M.-D.**, 2021. The subfamily Pteromalinae (Chalcidoidea: Pteromalidae) in South-Eastern Iran. *Opuscula Zoologica Budapest* 52(2): 183–197.

2. Kissayi K., **Mitroiu M.-D.** & Latifa R., 2021. Annotated check-list of Pteromalidae (Hymenoptera: Chalcidoidea) of Morocco. Part II. *Graellsia* 77(1): e139.

### **Cercetător invitat**

1. Luomus – Finnish Museum of Natural History, Helsinki, Finlanda (2023, 2025);
2. Icelandic Institute of Natural History (2024);
3. The Natural History Museum London, Marea Britanie (2022, 2024).

09.01.2026

Prof. dr. habil. Mircea-Dan Mitroiu

## Lista publicațiilor din perioada 2021-2025 – Conf. dr. Lăcrămioara Oprică

1. Articole în reviste cotate ISI, ca autor principal	AIS
Plesnicute R, Rimbu C, <b>Oprica L</b> , Herea D, Motrescu I, Luca D, Creanga D, Grigore MN, 2025, Eco-Friendly Synthesis of Silver Nanoparticles with Significant Antimicrobial Activity for Sustainable Applications, <i>Sustainability</i> , 17(12) (WOS:001517738600001)	0,538
Luca D., <b>Oprica L</b> , Grigore MN, 2025, Green synthesis of <i>Matricaria chamomilla</i> - derived metal nanoparticles and their applications, <i>Acta Chemica</i> , 31(1):1-24 (WOS:001530534600001)	0,097
Sîrbu S., <b>Oprica L</b> , Popovici LF, Sîrbu C., Mineață I., Ungureanu IV., Golache IE, 2025, Fruit Characteristics of In Situ Collected Sweet Cherry ( <i>Prunus avium</i> L.) Genotypes, <i>Horticulturae</i> , 11(3),	0,416
<b>Oprica L.</b> , Vochita G., Grigore M.-N., Shvidkiy S., Molokanov A.; Gherghel D., Les, A, Creanga D., 2023, Cytogenetic and Biochemical Responses of Wheat Seeds to Proton Irradiation at the Bragg Peak, <i>Plants</i> , 12(4), 842;	0,618
<b>Oprica L.</b> , Grigore MN, Vochita G, Jijie R, Popovici L, 2023, Biochemical responses of <i>Silybum marianum</i> seedlings to independent and combined salt and SiO <sub>2</sub> treatments, 2023, <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , Volume51, Issue3,	0,288
<b>Oprica L.</b> , Shvidkiy S., Molokanov A., Vochita G., Creanga D., 2022, Some effects of proton irradiation in young seedlings of wheat, <i>Romanian Journal of Physics</i> , 67(9-10), 813.	0,172
<b>Oprica L.</b> , Miclaus S., Vochita G., Creanga D., Ungureanu E., 2022, Low-thermal microwave effects on the enzyme activity in the cellulolytic fungus <i>Phanerochaete chrysosporium</i> , <i>Romanian Reports in Physics</i> , 74, 1	0,202
Dunca S, <b>Oprica L</b> , Simionov IA, Antache A, Nica A, Grigore MN, Miron A, Costin D, Magean R, Petrea SM, 2022, Antibacterial Activity of <i>Ocimum basilicum</i> L. Extracts Grown in Aquaponic Conditions Against Gram-positive and Gram-negative Species, The 10th IEEE International Conference on E-Health and Bioengineering - EHB 2022, Grigore T. Popa University of Medicine and Pharmacy, Web Conference, Romania, 2022	0
<b>Oprica L.</b> , Strungaru-Jijie R., Grigore MN., Balasoiu M., Creanga D., Vochița G, 2021, Effect of AgNPs biologically and chemically synthesized on <i>Phanerochaete chrysosporium</i> antioxidant enzymes activities, The 9th IEEE International Conference on E-Health and Bioengineering - EHB 2021, Grigore T. Popa University of Medicine and Pharmacy, Web Conference, Romania, November 18-19, 2021	0
<b>Oprica L.</b> , Grigore MN., Bara I., Vochița G, 2021, Salinity and SiO <sub>2</sub> impact on growth and biochemical responses of basil ( <i>Ocimum basilicum</i> L.) seedlings, The 9th IEEE International Conference on E-Health and Bioengineering - EHB 2021, Grigore T. Popa University of Medicine and Pharmacy, Web Conference, Romania, November 18-19, 2021	0
Corneanu G, M Corneanu, E Iurea, S Sirbu, <b>Oprica L</b> , 2020, Evaluation of old sour cherry genotypes ex situ collected in Iasi, Romania, IV Balkan Symposium on Fruit Growing 1289, 131-134	0
<b>Oprica L</b> , Andries M, Sacarescu L, Popescu L, Pricop D, Creanga D, Balasoiu M, 2020, Citrate-silver nanoparticles and their impact on some environmental beneficial fungi, <i>Saudi Journal of Biological Sciences</i> , 27(12):3365-3375.	0,647
Babusca D, Popescu L, Sacarescu I, Dorohoi DO, Creanga D, <b>Oprica L</b> , 2020, Two phase photochemical synthesis of silver nanoparticles and their impact on the chlorophylls, <i>Molecular Crystals and Liquid Crystals</i> , 698(1), 56-64, Taylor & Francis.	0,096
<b>Oprica L</b> , Grigore MN, Caraciuc I, Gherghel D, Mihai CT, Vochita G, 2020, Impact of Proton Beam Irradiation on the Growth and Biochemical Indexes of Barley ( <i>Hordeum vulgare</i> L.) Seedlings Grown under Salt Stress, <i>Plants</i> , 9(9), 1234 (WOS:000580690200001)	0,759
Stoleru E., Vasile C., <b>Oprica L.</b> , Onur Y., 2020, Influence of the chitosan and rosemary extract on fungal biodegradation of some plasticized PLA-Based materials, <i>Polymers</i> , 12(2):469	0,597

2. Articole în reviste cotate ISI, ca și contributor	AIS
Apreutesei O.T., Tebrencu C.E., Gherghel D., <b>Oprica L.</b> , Volf I., Vochița G., 2025, <i>Prunus spinosa</i> L. Branches as a New Source of Condensed Tannins: Phytochemical Profile and Antioxidant, Cytotoxic and Genotoxic In Vitro Evaluation. <i>Antioxidants</i> , 14,	1,189
Antache A, Simionov IA, Petrea SM, Nica A., Georgescu PL, <b>Oprica L.</b> , Grigore MN, Oroian M, Jitaru D, Liteanu A, Ciobîcă AS, Vladimir Poroch, 2025, Insect–Antioxidants Symbiotic Nexus—Pathway for Sustainable and Resilient Aquaculture: A Case Study for Evaluating Koi Carp Growth and Oxidative Stress Status, <i>Antioxidants</i> , 14(4)	1,187
Fanaru AR., Grigoras M., Ababei G., <b>Oprica L.</b> , Creanga D, 2024, A Study On The Impact Of Magnetic Nanoparticles On Dye Loaded Wastewater – The Case Of Rhodamine B, <i>Romanian Journal of Physics</i> 69, 612,	0,183
Plesnicute P, Eluta M., Les-Agavriloaei A., Motrescu I., <b>Oprica L.</b> , Creanga D., 2024, Study of plasmonic silver nanoparticles synthesized by conventional and eco-friendly methods with ultraviolet irradiation, <i>Romanian Journal of Physics</i> , 69 (9-10), 612	0,183
Petrea SM, Simionov IA, Antache A, Nica A, <b>Oprica L.</b> , Miron A, Zamfir CG, Mihaela Neculiță, Dima MF, Cristea DS, 2023, An Analytical Framework on Utilizing Various Integrated Multi-Trophic Scenarios for Basil Production, 12(3), 540, <i>Plants</i>	0,618
Mir R, Romero I., González-Orenga S, Ferrer-Gallego P.P., Laguna E, Boscaiu M, <b>Oprica L.</b> , Grigore MN, Vicente O, 2022, Constitutive and Adaptive Traits of Environmental Stress Tolerance in the Threatened Halophyte <i>Limonium angustibracteatum</i> Erben (Plumbaginaceae), 2022, <i>Plants (Basel)</i> , 11(9):1137.	0,622
Petrea SM, Antache A, Simionov IA, Nica A, <b>Oprica L.</b> , Miron A, Magean R, Rosenberg S, Cristea D, 2022, The Impact of Growth Media on Production and Volatile Oil Composition of <i>Ocimum Basilicum</i> L. Cultured in Aquaponic Conditions, The 10th IEEE International Conference on E-Health and Bioengineering - EHB 2022, Grigore T. Popa University of Medicine and Pharmacy, Web Conference, Romania, 2022	0
Cristea DS, Antohi V, Munteanu D, Petrea SM, Miron A, <b>Oprica L.</b> , Magean R, 2022, Intelligent Systems For Biomass Production Optimization Within Multi-Trophic Intensive Aquaculture Systems Based On Image Processing Methods, The 10th IEEE International Conference on E-Health and Bioengineering - EHB 2022, Grigore T. Popa University of Medicine and Pharmacy, Web Conference, Romania, 2022	0
Petrea SM., Costache M., Cristea D., Strungaru SA., Simionov IA., Mogodan A., <b>Oprica L.</b> , Cristea V., 2020, A Machine Learning Approach in Analyzing Bioaccumulation of Heavy Metals in Turbot Tissues, <i>Molecules</i> , 25 (20):4696.	0,694
Morosanu C., Popescu L., Sacarescu L., Dorohoi O., <b>Oprica L.</b> , Creanga D., 2020, Quantum-chemical simulation and experimental study of some magnetic nanoparticles stabilized in fluid suspensions by using organic coating, <i>Molecular Crystals and Liquid Crystals</i> , 698(1):38-45, Taylor & Francis	0,096
Simionov IA, Strungaru SA, Petrea SM, Cristea V, Nicoara M, Mogodan A, <b>Oprica L.</b> , Costin D, Nica A, 2020, Heavy Metals Accumulation in Fish Reared in a Pond Ecosystems and Health Risk Evaluation on Romanian Consumers, The 8th IEEE International Conference on E-Health and Bioengineering - EHB 2020 Grigore T. Popa University of Medicine and Pharmacy, Web Conference, Romania, October 29-30, 2020	0

### 3. Articole în reviste indexate BDI, ca autor principal

**Oprica L**, Rosu CM, 2021, Total polyphenols, flavonoids contents and antioxidant activity of Rosa sp. genotypes from different altitude of Romanian regions, Journal of Experimental and Molecular Biology, 22(1):15-26

### 10. Capitole în volume la edituri internaționale de prestigiu

**Oprica L**, Vochița G, 2021, Enzymatic activity in halophytes, În: *Handbook of Halophytes. From Molecules to Ecosystems towards Biosaline Agriculture* (Ed. Grigore MN), Springer, 1877-1900.

Racuciu M, Creanga DE, **Oprica L**, 2023, Nanosized ferrites in environmental sciences, cap 17, In: Applications of nanostructured ferrites (Ed. Singh JP, Chae KH, Srivastava RC, Caltun OF), p. 331-351, Elsevier.

Jijie R., Mihalache G., Rosca M., Vochita G., **Oprica L**. 2025, Green Synthesis of Metal and Metal Oxide Nanoparticles Using Halophytes and Other Salt-Tolerant Plants and Their Applications. In: Arora, J., Grigore, MN., Joshi, A. (eds) Sustainable Utilisation and Bioengineering of Halophytes. Sustainable Development and Biodiversity, vol 38. Springer, Singapore.

### 11. Capitole în volume la alte edituri internaționale

Gostin IN., **Oprica L**, Onofrei M., Anton SG., 2020, The impact of organic farming on the environment, with accent to the changes occurring in agroecosystems, 145-163, In: Course for trainers: Organic farming, eco-market and their capitalization through the entrepreneurial initiative (Eds. Marco Platania, Marko Jeločnik, Irina Neta Gostin). "Alexandru Ioan Cuza" University Press - Iași and Institute of Agricultural Economics – Belgrade.

**Oprica L**, Gostin IN., Onofrei M., Anton SG, 2020, Biochemical difference between organic and conventional foods. A comparative study, 83-101, In: Course for trainers: Organic farming, eco-market and their capitalization through the entrepreneurial initiative (Eds. Marco Platania, Marko Jeločnik, Irina Neta Gostin), "Alexandru Ioan Cuza" University Press - Iași and Institute of Agricultural Economics – Belgrade

Anton SG, Onofrei M., Gostin IN., **Oprica L**, 2020, Entrepreneurial opportunities in the green economy, 70-82, In: Course for trainers: Organic farming, eco-market and their capitalization through the entrepreneurial initiative (Eds. Marco Platania, Marko Jeločnik, Irina Neta Gostin), "Alexandru Ioan Cuza" University Press - Iași and Institute of Agricultural Economics – Belgrade

Gostin IN., **Oprica L**, Anton SG., Onofrei M., 2020, Entrepreneurial initiative in organic agriculture: case studies among young people in Eastern Romania, 86-100, In: Course for trainers: Organic farming, eco-market and their capitalization through the entrepreneurial initiative (Eds. Marco Platania, Marko Jeločnik, Irina Neta Gostin), "Alexandru Ioan Cuza" University Press - Iași and Institute of Agricultural Economics – Belgrade

Participări la manifestări științifice :

#### ■ Naționale:

The 10th IEEE International Conference on E-Health and Bioengineering - EHB 2021, Grigore T. Popa University of Medicine and Pharmacy, Web Conference, Romania, November 18-19, 2022

The 9th IEEE International Conference on E-Health and Bioengineering - EHB 2021, Grigore T. Popa University of Medicine and Pharmacy, Web Conference, Romania, November 18-19, 2021

Simpozionul „Biologia și dezvoltarea durabilă” 3 decembrie 2020, Bacau

#### ■ Internaționale:

The 12<sup>th</sup> Edition of EuroAliment International Symposium, Galați/Romania, 23-24 octombrie 2025

EEPES 2025 (Electronics, Engineering Physics and Earth Science) Alexandroupolis, Grecia, 18-20 iunie 2025

Hybrid: 13th International Conference on Physics of Advanced materials, 4th Autumn School on Physics of Advanced Materials, Sant Feliu de Guixols, September 24-30, 2021

International Euroasia Congress on Scientific research and recent trends VII, 6 december 2020, Baku Ayeirbaijan, Oral presentation, online

# LISTA LUCRĂRILOR PUBLICATE ÎN PERIOADA 2021-2025

## Conf. univ. dr. habil. Victor SURUGIU

### A. CĂRȚI PUBLICATE ÎN EDITURI DIN ȚARĂ

1. POPA, L.O., POPA, O.P., IORGU, E.I., KRAPAL, A.M., PÂRVULESCU, L., **SURUGIU, V.**, PETRESCU I., PETRESCU, A.M., ȘTEFAN, A., MOȚOC, R.M., BREZEANU, A.M., IRIMIA, A.G. (2022) Ghid de inventariere și cartare a distribuției speciilor de nevertebrate dulcicole alogene invazive din România. București: Ministerul Mediului, Apelor și Pădurilor & Universitatea din București, 109 pp. ISBN: 978-973-0-36592-4
2. **Surugiu, V.**, Petrescu, A.-M., Petrescu, I., Bâlcu, M.-J., Popescu-Mirceni, R., Sahlean, T.C., Ciubuc, F., Popa, A.-M. (2022) Ghid de inventariere și cartare a distribuției speciilor de animale marine invazive și potențial invazive din România. București: Ministerul Mediului, Apelor și Pădurilor & Universitatea din București, 65 pp. ISBN: 978-973-0-36593-1

### B. CĂRȚI PUBLICATE ÎN EDITURI DIN STRĂINĂTATE

1. **SURUGIU V.**, POLTARUKHA O.P., SELIFONOVA ZH.P., KONDRATIEV S.I. (2023) *Identification keys of meroplankton of the Black Sea and the Sea of Azov*. In 3 volumes. Volume 1 Pelagic larvae of polychaetes. Novorossiysk: Admiral F.F. Ushakov Maritime State University, 183 p. ISBN 978-5-89426-177-5

### C. CAPITOLE ÎN CĂRȚI / VOLUME LA EDITURI NAȚIONALE

1. **SURUGIU V.** (2021) Încrângătura Annelida. Clasa Polychaeta și Clasa Hirudinea. Încrângătura Arthropoda. Clasa Malacostraca. Ordinul Decapoda, pp. 32-41, 106, 111, 114. În: MURARIU D., MAICAN S. (coord.) *Cartea Roșie a Nevertebratelor din România / The Red Book of the Invertebrates from Romania*. București: Editura Academiei Române, 451 pp. ISBN 978-973-27-3357-8 <https://www.ideeaeuropeana.ro/ebooks/cartea-roșie-a-nevertebratelor-din-romania-the-red-book-of-invertebrates-of-romania-ebook/>

### D. ARTICOLE ȘTIINȚIFICE PUBLICATE *IN EXTENSO* ÎN REVISTE COTATE ISI *WEB OF SCIENCE* (SCIENCE CITATION INDEX EXPANDED), CA AUTOR PRINCIPAL

1. POPA, O.P., ȘTEFAN, A., BALTAG, E.Ș., STRATAN, A.A., POPA, L.O., **SURUGIU, V.** (2024) High Genetic Diversity of *Hirudo verbana* Carena, 1820 (Annelida: Hirudinea: Hirudinidae) in Romania Confirms That the Balkans Are Refugia Within Refugium. *Diversity*, **16**(12), 726. <https://doi.org/10.3390/d16120726>
2. **SURUGIU V.** (2023) Redescription of *Scolecopsis tridentata* (Southern, 1914) (Annelida: Spionidae), with description of a new species of *Scolecopsis* from the Black Sea. *The European Zoological Journal*, **90**(2): 584-603. <https://doi.org/10.1080/24750263.2023.2229855>
3. **SURUGIU V.** (2022) The spread of the alien oriental river prawn *Macrobrachium nipponense* (De Haan, 1849) (Decapoda: Palaemonidae) in the lower Danube, with the first record from Romania. *BioInvasions Records*, **11**(4): 1056-1066. <https://doi.org/10.3391/bir.2022.11.4.23>
4. **SURUGIU V.**, SCHWENTNER M., MEIßNER K. (2022) Fixing the identity of *Scolecopsis squamata* (Annelida: Spionidae) – neotype designation, redescription and DNA barcode sequences. *Systematics and Biodiversity*, **20**(1): 1-24. <https://doi.org/10.1080/14772000.2021.2003906>
5. BEGUN T., TEACĂ A., MUREȘAN M., QUIJÓN P.A., MENABIT S., **SURUGIU V.** (2022) Habitat and Macrozoobenthic Diversity in Marine Protected Areas of the Southern Romanian Black Sea Coast. *Frontiers in Marine Science*, **9**: 845507. <https://doi.org/10.3389/fmars.2022.845507>
6. **SURUGIU V.**, TEACĂ A., ȘVEDU I., QUIJÓN P.A. (2021) A Hotspot in the Romanian Black Sea: Eelgrass Beds Drive Local Biodiversity in Surrounding Bare Sediments. *Frontiers in Marine Science*, **8**: 745137. <https://doi.org/10.3389/fmars.2021.745137>

### E. ARTICOLE ȘTIINȚIFICE PUBLICATE *IN EXTENSO* ÎN REVISTE COTATE ISI *WEB OF SCIENCE* (SCIENCE CITATION INDEX EXPANDED), CA ȘI CONTRIBUTOR

1. RAGKOUSIS M., ZENETOS A., BEN SOUISSI J., HOFFMAN R., GHANEM R., TAŞKIN E., MUREȘAN M., KARPOVA E., SLYNKO E., DAĞLI E., FORTIĆ A., **SURUGIU V.** et al. (2023) Unpublished Mediterranean and Black Sea records of marine alien, cryptogenic, and neonative species. *BioInvasions Records*, **12**(2): 339-369. <https://doi.org/10.3391/bir.2023.12.2.01>
2. BÂNCILĂ R.I., SKOLKA M., IVANOVA P., **SURUGIU V.**, STEFANOVA K., TODOROVA V., ZENETOS A. (2022) Alien species of the Romanian and Bulgarian Black Sea coast: state of knowledge, uncertainties, and needs for future research. *Aquatic Invasions*, **17**(3): 353-373. <https://doi.org/10.3391/ai.2022.17.3.02>
3. ARIAS A., **SURUGIU V.**, CARBALLEIRA R., POPA O.P., POPA L.O., UTEVSKY S. (2021) Unravelling the Extent of Diversity within the Iberian Medicinal Leeches (Hirudinea: *Hirudo*) Using Molecules and Morphology. *Biology-Basel* (ISBN 2079-7737), **10**, 315. <https://doi.org/10.3390/biology10040315>

### F. ARTICOLE ȘTIINȚIFICE PUBLICATE *IN EXTENSO* ÎN REVISTE INDEXATE ÎN BAZE DE DATE INTERNAȚIONALE, CA AUTOR PRINCIPAL

1. BOMPA, A., **SURUGIU, V.** (2025) Population size and structure of the Mediterranean medicinal leech *Hirudo verbana* in the Mlaștina lezerul Dorohoi wetland (Romania). *Oltenia. Studii și comunicări. Științele Naturii* (ISSN 2068-0139, ISSN-L 1454-6914), 41(1): 204-209.

## G. COMUNICĂRI LA MANIFESTĂRI ȘTIINȚIFICE NAȚIONALE

- Surugiu, V.** Review of *Scoelepis* (Polychaeta: Spionidae) from the Black Sea. Sesiunea Științifică a Facultății de Biologie „New trends in Biology: from molecules to complex systems”, Iași (România), 28 - 29 October 2021 (comunicare orală)
- Oana Paula Popa, **Victor Surugiu**, Ana Alexandra Stratan, Luis Ovidiu Popa (2021) Variabilitatea genetică a lipitorii medicinale mediteraneene (*Hirudo verbana* Carena, 1820) în România. Simpozionul Național PETRODAVA Ediția a II-a, Piatra Neamț (România), 22-24 iunie 2021 (poster). Program și Rezumate, Editura „Constantin Matasă”, Piatra Neamț, p. 76-77 (ISSN 2668-3237)
- Surugiu V.** - THE FIRST RECORDS OF THE INVASIVE FRESHWATER PRAWN *MACROBRACHIUM NIPPONENSE* (DECAPODA: PALAEMONIDAE) IN ROMANIA, Sesiunea științifică a Facultății de Biologie Tendințe în biologie: de la molecule la sisteme complexe (<http://cercetare.bio.uaic.ro/SSFB/2022/index.html>), 27-28 octombrie 2022 (comunicare orală)
- Surugiu V.** – Redescription of *Scoelepis tridentata* (Southern, 1914) (Annelida: Spionidae), with description of a new species of *Scoelepis* from the Black Sea. Sesiunea Științifică a Facultății de Biologie „Tendințe în Biologie: de la molecule la sisteme complexe”, Iași (România), 27-28 octombrie 2023 (poster)
- Surugiu V.** - A provisional checklist of freshwater leeches (Annelida, Clitellata, Hirudinea) of Romania. Conferința națională cu participare internațională „Ecologia și Protecția Ecosistemelor” Ediția a XIV-a, Bacău, România, 2-4 noiembrie 2023 (comunicare orală)
- Surugiu V.**, Gherghel I. - Updating the current distribution of *Hirudo* spp. in the Western Palearctic based on citizen science and open-source data. Sesiunea Științifică a Facultății de Biologie „Tendințe în Biologie: de la molecule la sisteme complexe”, Iași (România), 25-26 octombrie 2024 (comunicare orală)
- Ana-Maria Cimpeanu, **Victor Surugiu**, Aurel Nastase, Marian Paraschiv, Ștefan Hont, Marian Iani, Dragoș-Lucian Gorgan - Preliminary study and molecular confirmation of *Macrobrachium nipponense* in the Danube Delta. Sesiunea Științifică a Facultății de Biologie „Tendințe în Biologie: de la molecule la sisteme complexe”, 25-26 octombrie 2024, Iași, România (poster)
- Surugiu Victor** - Identitatea taxonomică și starea actuală a populațiilor de lipitori medicinale din Republica Moldova. Simpozionul național „Starea ecosistemelor acvatice transfrontaliere ale Republicii Moldova”, ediția a II-a, 17 octombrie 2025, Institutul de Zoologie, Universitatea de Stat din Moldova, Chișinău, Republica Moldova (comunicare orală)
- Victor Surugiu**, Nica Moțpan, Veaceslav Purcic, Viorica Paladi, Teodor Glăvan - Data on the distribution and status of *Hirudo verbana* (Annelida, Hirudinea) in the Republic of Moldova. Faculty of Biology Scientific Session „Trends In Biology: From Molecules To Complex Systems” (FBSS 2025), Iași, Romania, 23rd-26th of October 2025 (comunicare orală)
- Alexandra Țibichi, Cristian-Alin Barbacariu, Marian Burducea, Dana Andreea Șerban, Lenuța Dîrvari, **Victor Surugiu** - Studiu comparativ privind utilizarea diverselor preparate hormonale (Surfagon, Nerestin 5A) în reproducerea artificială a speciei *Acipenser ruthenus* L. Faculty of Biology Scientific Session „Trends In Biology: From Molecules To Complex Systems” (FBSS 2025), Iași, Romania, 23rd-26th of October 2025 (poster)

## H. COMUNICĂRI LA MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE

- Invited speaker cu lucrarea **Surugiu, V.** - „Status of medicinal leech populations in Romania”, la Webinar-ul “Medicinal Leech Sector” (24-25 February 2021) within the cooperation of Isparta University of Applied Sciences (Turkey), the Ministry of Agriculture and Forestry (Turkey) and the Food and Agriculture Organization of the United Nations (FAO), <https://www.youtube.com/channel/UCraLqgrak34FX8ETVupwSIQ/playlists>
- Băncilă R.I., Skolka M., Ivanova P., **Surugiu V.**, Stefanova K., Todorova V., Zenetos A. - Towards the implementation of EU's regulation on alien invasive species from the Black Sea – the baseline list and information on marine alien species from Romania and Bulgaria. International scientific conference “Marine ecosystems: research and innovations”, Institute of Marine Biology of the NAS of Ukraine, 27-29 October 2021, Odessa, Ukraine. <https://www.youtube.com/watch?v=5jk0de5CazU>
- Skolka M., Teacă A., Begun T., Muresan M., **Surugiu V.** - Overview of barnacle species from the Romanian Black Sea coast – historical records and recent changes. International scientific conference “Marine ecosystems: research and innovations”, Institute of Marine Biology of the NAS of Ukraine, 27-29 October 2021, Odessa, Ukraine. <https://www.youtube.com/watch?v=jgF6D52ahSU>
- Teacă A., Begun T., Mureșan M., **Surugiu V.**, Skolka M. - Red List of marine invertebrates of Romania – the premises, actual IUCN status and perspectives. International scientific conference “Marine ecosystems: research and innovations”, Institute of Marine Biology of the NAS of Ukraine, 27-29 October 2021, Odessa, Ukraine. <https://youtu.be/gSJV51SRK2I>
- Surugiu V.** - ON THE OCCURRENCE OF THE ALIEN ORIENTAL RIVER PRAWN *MACROBRACHIUM NIPPONENSE* (DE HAAN, 1849) (DECAPODA: PALAEMONIDAE) IN ROMANIA, 8th Aquatic Biodiversity International Conference (ABIC), 20-22 September 2022, Sibiu, Transylvania, Romania, European Union (<https://conferences.ulbsibiu.ro/abic/2022/index.html>)
- Victor SURUGIU** - Morphological analysis of *Scoelepis* (*Parascoelepis*) (Polychaeta: Spionidae) with identification of a new species, 11th International Zoological Congress of „Grigore Antipa” Museum (CZGA 2022), December 06-07, 2022, Bucharest, România (<https://czga.ro/wp-content/uploads/2022/12/CZGA2022-Programme.pdf>) (comunicare orală on-line)
- Surugiu V.** - The influence of climate change on the distribution of the invasive freshwater prawn *Macrobrachium nipponense* (Decapoda: Palaemonidae) in the Ponto-Caspian region. 30th Scientific International Conference „The Museum and Scientific Research”, The Museum of Oltenia Craiova, Natural Sciences Department, Craiova (Romania), 7-9 September 2023 (comunicare orală ca unic autor)

- Surugiu V.** - Redescription of *Scoelepis tridentata* (Southern, 1914) (Annelida: Spionidae), with description of a new species of *Scoelepis* from the Black Sea. The 14th International Polychaete Conference, Stellenbosch University, STIAS, Stellenbosch, Cape Town (South Africa), 3-7 July 2023 (poster)
- Surugiu V.** - The biology and ecology of the mudsnail *Ecrobia maritima* (Gastropoda: Littorinimorpha: Hydrobiidae) at the Romanian Black Sea coast. 31st Scientific International Conference „The Museum and Scientific Research”, The Museum of Oltenia Craiova, Natural Sciences Department, Craiova (Romania), 12-14 September 2024 (1 comunicare orală ca unic autor)
- Victor Surugiu**, Andrei-Sasha Scotnițchi, Oana Paula Popa - Revealing the identity of leeches of the genus *Limnatis* (Annelida: Hirudinea: Praobdellidae) from Romania. ZoologyCon 2024 an International Zoological Congress organized by the „Grigore Antipa” Museum, 6-9 November 2024, Bucharest, Romania
- Surugiu V.** – Distribution, genetic diversity and conservation status of *Hirudo verbana* in Romania. International Medicinal Leech Workshop Program TAGEM, Eğirdir Fisheries Research Institute, Eğirdir-Isparta, 15-16 April 2025 (comunicare științifică în plen)
- Ana-Maria Cîmpeanu, **Victor Surugiu**, Aurel Năstase, Marian Paraschiv, Ștefan Honț, Marian Iani, Dragoș-Lucian Gorgan - Molecular confirmation and phylogenetic analysis of *Macrobrachium nipponense* in the Danube Delta. 32nd edition Deltas & Wetlands International Symposium, Tulcea, May 12-17, 2025.
- Bompa, A., **Surugiu, V.** - Population size and structure of the Mediterranean medicinal leech *Hirudo verbana* in the Mlaștina Iezerul Dorohoi wetland (Romania). The 32nd Scientific International Conference „The Museum and Scientific Research”, The Museum of Oltenia Craiova, Natural Sciences Department, September 18, 2025, Craiova, Romania

#### **I. PRELEGERI INVITATE LA INSTITUTII DIN TARA SI DIN STRAINATATE**

Susținere de cursuri (6 ore) în calitate de cadru didactic asociat la Université Catholique d'Angers (Franța), curs: 3UE22 – Ecology and Biodiversity (5 ECTS), master Environmental Management and Sustainable Development (EMSD), an universitar 2021-2022.

#### **J. INVITATII CA SPECIALISTI LA INSTITUTII DIN TARA SI DIN STRAINATATE**

Vizită de consultare a colecțiilor științifice ale Muzeului Național de Științe Naturale din Paris (MNHN) în cadrul programului SYNTHESYS+ TA call 4, în perioada 4-17 septembrie 2022 cu proiectul Taxonomy of *Scoelepis* (Polychaeta, Spionidae) from European and adjacent waters

## Activitate științifică (2021-2025)

Prof. dr. habil. Marius Ștefan

### 1. PUBLICAȚII

#### 1.1. Articole publicate *in extenso* în reviste cotate ISI

1. Mantea, L.E., El-Sabeh, A., Mihasan, M., Ștefan, M., 2025 - *Bacillus safensis* P1.5S exhibits phosphorus-solubilizing activity under abiotic stress, Horticulturae, 11, 388, 1-22, <https://doi.org/10.3390/horticulturae11040388>.
2. Moldovan, C.V., Mantea, L.E., Savu, M., Jones, P.G., Sarbu, L.G., Ștefan, M., Birsa, M.L., 2024 - Novel tricyclic flavonoids as promising anti-MRSA agents, Pharmaceuticals, 17, 1276. <https://doi.org/10.3390/ph17101276>.
3. Mantea, L.E., Moldovan, C.V., Savu, M., Sarbu, L.G., Ștefan, M., Birsa, M.L., 2024 - An Eco-friendly method to synthesize potent antimicrobial tricyclic flavonoids, Antibiotics, 13, 798, <https://doi.org/10.3390/antibiotics13090798>.
4. Moldovan, C.V., Savu, M., Dussert, E., Aboubacar, H., Sarbu, L.G., Matiut, S., Cudennec, B., Krier, F., Ravallec, R., Birsa, L.M., Ștefan, M., 2022 - Synthetic flavonoid BrCl-flav-an alternative solution to combat ESKAPE pathogens, Antibiotics 2022, 11(10), 1389; <https://doi.org/10.3390/antibiotics11101389>.
5. Savu, M., Simo, M.K., Fopokam, G.X., Olaru, S.M., Cioanca, O., Boyom, F.F., Ștefan, M., 2022 - New insights into the antimicrobial potential of *Polyalthia longifolia* - antibiofilm activity and synergistic effect in combination with penicillin against *Staphylococcus aureus*, Microorganisms 2022, 10, 1943. <https://doi.org/10.3390/microorganisms10101943>
6. Adedayo, A.A., Babalola, O.O., Prigent-Combaret, C., Cruz, C., Ștefan, M., Kutu, F., Glick, B.R., 2022 - The application of plant growth-promoting rhizobacteria in *Solanum lycopersicum* production in the agricultural system: a review. PeerJ 10:e13405, <http://doi.org/10.7717/peerj.13405>
7. Babii, C., Savu, M., Motrescu, I., Birsa, L.M., Sarbu, L.G., Ștefan, M., 2021 - The antibacterial synthetic flavonoid BrCl-flav exhibits important anti-*Candida* activity by damaging cell membrane integrity, Pharmaceuticals 2021, 14, 1130. <https://doi.org/10.3390/ph14111130>, p. 1-15.
8. Ngo-Mback, M.N.L., Babii, C., Jazet Dongmo, P.M., Kouipou Toghueo, M.R., Ștefan, M., Fekam Boyom, F., 2020 - Anticandidal and synergistic effect of essential oil fractions from three aromatic plants used in Cameroon, Journal de Mycologie Médicale, 30: 2, 100940.
9. Sfică, L., Bulai, M., Amihăesei, V.A., Ion, C., Ștefan, M., 2020 – Weather conditions (with Focus on UV Radiation) associated with COVID-19 outbreak and worldwide climate-based prediction for future prevention, Aerosol and Air Quality Research, 20: 1862–1873.

#### 1.2. Articole publicate *in extenso* în reviste indexate în baze de date internaționale (BDI)

1. Mantea, L.E., El-Sabeh, A., Mihasan, M., Ștefan, M., 2025 - Unraveling the plant growth-promoting potential of *Bacillus safensis* P1.5S through genome analysis, J. Exp. Molec. Biol. 26(4):199-214; DOI: 10.47743/jemb-2025-248.

2. Savu, M., **Stefan, M.**, 2023 - *Anti-Candida activity of flavonoids - An overview*, J. Exp. Molec. Biol., 25(1): 1-27, DOI:10.47743/jemb-2024-126.

## 2. COMUNICĂRI (MANIFESTARI NAȚIONALE ȘI INTERNAȚIONALE)

1. Simona Enișor, Loredana-Elena Mantea, Amada El-Sabeh, Marius Mihășan, Marius Ștefan, Genomic insights into the plant growth-promoting potential of *Bacillus velezensis* P3.3S, Trends In Biology - from molecules to complex systems, Iasi, 23 rd – 26 th of October 2025.
2. Ioan Strungariu, Mirela Dumitrascu, Elena Nechita, Marius Stefan, Fractionation of transglutaminase produced by *Streptomyces mobaraensis* ATCC 27441, Life Sciences Today For Tomorrow, Iasi, October 23-24, 2025.
3. Cristina-Veronica Moldovan, Ștefan-Mihăiță Olaru, Lucian-Mihail Bîrsa, Marius Ștefan – Antibiofilm activity of BrCl-flav against *Acinetobacter pittii*. New Trends in Biology: from molecules to complex systems, 25-26 octombrie 2024, Iași, România.
4. Mihaela Savu, Cristina-Veronica Moldovan, Loredana-Elena Mantea, Lucian-Mihail Bîrsa, Marius Ștefan – A new class of tricyclic flavonoids with antimicrobial activity. New Trends in Biology: from molecules to complex systems, 25-26 octombrie 2024, Iași, România.
5. 47th FEBS Congress, 8-12 Iulie 2023, Tours, Genomic and functional analysis of *Bacillus velezensis* P3.3s - a putative biocontrol agent of plant pathogens, Mantea, L.E., El-Sabeh, A., Daboudet, T., Mihășan, M., Krier, F., Ștefan, M.
6. 47th FEBS Congress, 8-12 Iulie 2023, Tours, Antibiofilm activity of a novel synthetic flavonoid against *Candida krusei*, Savu, M., Birsa, L., Stefan, M.
7. 4th edition of the International World of Microbiome Conference (WoM 2023), 25-29 Octombrie 2023, Sofia, Identification of antibiotic resistance genes in sewage of Iasi municipal wastewater treatment plant using bioinformatic tools, Moldovan, C.V., El-Sabeh, A., Mihasan, M., Stefan, M.
8. RoBioinfo Conference, 11-13 Mai 2023, Bucuresti, Identification of antibiotic resistance genes in the influent of Iasi municipal wastewater treatment plant using a bioinformatic approach, Moldovan, C.V., El-Sabeh, A., Mihasan, M., Stefan, M.
9. Sesiunea Științifică a Facultății de Biologie, Tendințe în Biologie: de la molecule la sisteme complexe, Iași, 27 - 28 octombrie 2023, Antibiofilm activity of BrCl-flav against *Candida krusei*, Savu, M., Mantea, L.E., Ciobanasu, C., Birsa, L., Stefan., M.
10. Sesiunea Științifică a Facultății de Biologie, Tendințe în Biologie: de la molecule la sisteme complexe, Iași, 27 - 28 octombrie 2023, Biofilm formation under abiotic stress by *Bacillus velezensis* P3.3s – a plant growth promoting bacteria, Mantea, L.E., EL-Sabeh, A., Mihasan, M., Olaru, S., Stefan, M
11. Conferința națională cu participare internațională Ecologia și Protecția Ecosistemelor Ediția a XIV-a, 2-4 noiembrie 2023 Bacău, *Bacillus velezensis* P3.3s - a putative bacterial biocontrol agent, Mantea, L.E., El-Sabeh, A., Daboudet, T., Mihășan, M., Krier, F., Ștefan, M.

12. RoBioinfo Conference, 11-13 Mai 2023, Bucuresti, Genomic characterization of *Bacillus velezensis* P3.3S, Mantea, L.E., El-Sabeh, A., Mihășan, M., Ștefan, M.
13. Sesiunea Științifică Anuală a Studenților Naturaliști, Ediția a VI-a, 21 Mai 2022, Iași, Romania, Moldovan Cristina-Veronica, Ștefan Marius: Activitatea antibacteriană a flavonoidei Br-Cl asupra unor tulpini rezistente la antibiotice.
14. Sesiunea Științifică Anuală a Studenților Naturaliști, Ediția a VI-a, 21 mai 2022, Iași, Romania, Savu Mihaela, Bîrsă Lucian, Ștefan Marius: Mecanismul de acțiune al flavonoidei BrCl asupra tulpinilor rezistente de *Candida*.
15. FEMS Conference on Microbiology, 30 Iunie - 2 Iulie 2022, Belgrad, Serbia, Moldovan Cristina-Veronica, Birsa Lucian, Ștefan Marius: Antibacterial activity of Br-Cl flavonoid against multidrug resistant bacteria.
16. 25th IUBMB, 46th FEBS, 15th PABMB, 9-14 iulie 2022, Lisabona, Portugalia, Savu Mihaela, Bîrsa Lucian, Ștefan Marius: Synthetic flavonoid BrCl – a potential solution against fluconazole resistant *Candida* strains.
17. Eurobiofilms 2022, 31 aug-3 sept 2022, Spania, Mihaela Savu, Cristina Veronica Moldovan, Lucian Birsa, Marius Ștefan, Anti-biofilm activities of a novel synthetic flavonoid against *Candida* sp.
18. International Conference and XXXIX Scientific Session of Romanian Society for Cell Biology, 21-23 Octombrie 2022, Cluj-Napoca, Romania, Moldovan Cristina-Veronica, Birsa Lucian, Ștefan Marius: Antibacterial activity of BrCl-flav against multidrug resistant bacteria.
19. International Conference and XXXIX Scientific Session of Romanian Society for Cell Biology, 21-23 Octombrie 2022, Cluj-Napoca, Romania, Savu Mihaela, Bîrsă Lucian, Ștefan Marius: Anti-*Candida* biofilm effect of synthetic flavonoid BrCl.
20. Sesiunea Științifică a Facultății de Biologie "Tendințe în Biologie: de la molecule la sisteme complexe", 27-28 Octombrie 2022, Iași, Romania, Moldovan Cristina-Veronica, Birsa Lucian, Ștefan Marius: Antibacterial activity of synthetic BrCl-flavonoid.
21. Sesiunea Științifică a Facultății de Biologie „Tendințe în Biologie: de la molecule la sisteme complexe”, 27-28 octombrie 2022, Savu Mihaela, Bîrsă Lucian, Ștefan Marius: Activitatea flavonoidei BrCl asupra biofilmului format de *Candida krusei*.
22. Mantea L., Ștefan M., The effect of pH and temperature on phosphate solubilization potential and growth of a bacterial strain isolated from maize rhizosphere, Third International Green Biotechnology Congress Sarajevo, Bosnia and Herzegovina, 30th Sept-2nd Oct
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### **3. INVITAȚII CA SPECIALIST LA INSTITUȚII DIN ȚARĂ ȘI DIN STRĂINĂTATE**

2022, profesor invitat - Universitatea Lille, Franța

2023, profesor invitat - University of Salerno, Italia

2023, profesor invitat - Universitatea Lille, Franța

2024, profesor invitat - Universitatea Lille, Franța

2025, profesor invitat - University of Wroclaw, Polonia

2025, profesor invitat - Universitatea Lille, Franța

# LISTA PUBLICAȚII ȘI COMUNICĂRI ȘTIINȚIFICE ÎN ULTIMII 5 ANI (2021-2025)

## PROFESOR DR. EMERIT MARIA MAGDALENA ZAMFIRACHE

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1	ELIDA ROSENHECH, ANDREI LOBIUC , IRINA BOZ and MARIA-MAGDALENA ZAMFIRACHE, 2025 - The Phytochemical Potential of Viola Species, Melanium Subgenus, Subsection Bracteolatae, Int. J. Mol. Sci. 2025, 26, 11614,	<a href="https://doi.org/10.3390/ijms262311614">https://doi.org/10.3390/ijms262311614</a>
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6	GABRIELA - ALINA ȘTEFAN, LACRAMIOARA CARMEN IVĂNESCU, MARIA MAGDALENA ZAMFIRACHE, 2021- Histo-anatomical and micromorphological investigations on six Lavandula L. taxa, An. șt. Univ. „Al.I.Cuza”, Iași, 67: 42-56, (Serie nouă), Secțiunea II a. Biologie vegetală, ISSN: 1223-6578	<a href="http://cercetare.bio.uaic.ro/publicatii/anale_vegetala/issue/2021/05-2021.pdf">http://cercetare.bio.uaic.ro/publicatii/anale_vegetala/issue/2021/05-2021.pdf</a>
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