

Lista de publicații

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B) Article ISI Proceedings

1. **Lupitu I. Andreea**, Moisa Cristian, Tomescu Daniel, Pop Georgeta, Ravis Adrian, Copolovici Dana Maria, Copolovici Lucian, Phenolic compounds and vitamins composition in medicinal plants with potential anti-bloating properties, Conference Proceedings of „The 1st International Conference on Life Sciences” (indexed Thomson Web of Science, *ISI Proceedings*), Universitatea de Științe Agricole și Medicină Veterinară a Banatului ”Regele Mihai I al României” 24 – 25 Mai 2018, Timisoara.

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F) BDI articles

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144. Flavia Bortes, Lucian Copolovici, Cristian Moisa, **Andreea Lupitu**, Virgiliu Ciutina, Dana Copolovici, The impact of high temperature on *Raphanus sativus* plants growth at elevated carbon dioxide, *The 22th International Conferences "Life Sciences For Sustainable Development"*, 28th– 30th September, 2023, Cluj-Napoca, Romania

145. **Andreea Lupitu**, Cristian Moisa, Flavia Bortes, Denisa Peteleu, Virgiliu Ciutina, Mihaela Dochia, Dana Copolovici, Lucian Copolovici, High CO₂ and *Eurydema ventralis* impact on *Brassica oleracea* var. *Botrytis* plants, *The 22th International Conferences "Life Sciences For Sustainable Development"*, 28th– 30th September, 2023, Cluj-Napoca, Romania

146. Dana Copolovici, Dana Radu, Cristian Moisa, **Andreea Lupitu**, Andreea Gostaviceanu, Oana Gavriliuc, Florina Bojin, Lucian Copolovici, New Antimicrobial

Peptides, *The 22nd International Conference "Life Sciences for Sustainable Development"*, Cluj-Napoca, Romania, 28th– 30th September, 2023.

147. Cristian Moisa, **Andreea Lupitu**, Flavia Bortes, Lucian Copolovici, Dana Maria Copolovici, Application of Cell-Penetrating Peptides As New Therapeutic Agents, *The 22nd International Conference "Life Sciences for Sustainable Development"*, Cluj-Napoca, Romania, 28th– 30th September, 2023.

148. Dana Maria Copolovici, Dana Gina Radu, Cristian Moisa, **Andreea Ioana Lupitu**, Oana Gavriluic, Florina Bojin, Lucian Copolovici, New Synthetic Peptides with Potential Applications in Medicine and Biotechnology, *Sorrento 2013 – Sorrento 2023: A Decade of Peptide Materials*, Sorrento, Italy, 26-28th October 2023.

149. Lucian Copolovici, Dana Gina Radu, Cristian Moisa, **Andreea Ioana Lupitu**, Andreea Gostăviceanu, Dorina Chambre, Simona Gavrilăș, Dana Maria Copolovici, Antimicrobial peptides with applications in medicine, *Sorrento 2013 – Sorrento 2023: A Decade of Peptide Materials*, Sorrento, Italy, 26-28th October 2023.

150. Dana Maria Copolovici, Cristian Moisa, Dana G. Radu, **Andreea I. Lupitu**, Simona Gavrilăș, Mihaela Dochia, Lucian Copolovici, Peptides with Antimicrobial Properties, *6th International Conference on Recent Trends in Multi-Disciplinary Research Innovation In Multidisciplinary Research & Practice*, Istanbul, Turkey, 10th-11th November 2023.

151. **Andreea Lupitu**, Flavia Bortes, Cristian Moisa, Lucian Copolovici, Dana Maria Copolovici, Cell-Penetrating Peptides of Natural and Synthetic Origin, *6th International Conference on Recent Trends in Multi-Disciplinary Research Innovation In Multidisciplinary Research & Practice*, Istanbul, Turkey, 10th-11th November 2023.

152. Flavia Bortes, **Andreea Lupitu**, Cristian Moisa, Lucian Copolovici, Dana Maria Copolovici, Antimicrobial Cell-Penetrating Peptides, *6th International Conference on Recent Trends in Multi-Disciplinary Research Innovation In Multidisciplinary Research & Practice*, Istanbul, Turkey, 10th-11th November 2023.

153. Dana Maria Copolovici, Cristian Moisa, **Andreea Lupitu**, Flavia Bortes, Dana Gina Radu, Lucian Copolovici, Antimicrobial Peptides: Synthesis, Characterization and Applications, *V. International Conference on Global Practice of Multidisciplinary Scientific Studies*, Baku, Azerbaijan, 10th-12th December 2023.

154. **Andreea Lupitu**, Lucian Copolovici, Cristian Moisa, Flavia Bortes, Virgiliu Ciutina, Dana Copolovici, The Influence of Elevated Carbon Dioxide Levels in Combination with the Presence of *Eurydema Ventralis* on *Brassica Oleracea* var. *Botrytis* Plants, *V.*

International Conference on Global Practice of Multidisciplinary Scientific Studies, Baku, Azerbaijan, 10th-12th December 2023.

155. Flavia Bortes, Andreea Lupitu, Cristian Moisa, Denisa Peteleu, Dana Copolovici, Lucian Copolovici, The Influence of Elevated Carbon Dioxide on the Growth of *Raphanus Sativus* Plants under High-Temperature Conditions, *V. International Conference on Global Practice of Multidisciplinary Scientific Studies*, Baku, Azerbaijan, 10th-12th December 2023.

156. Flavia Bortes, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici, Impact of combined drought and ozone stress on photosynthetic activity in Brassicaceae plants, *Environment & Progress*, 13 – 15 Iunie 2024, Cluj-Napoca, România.

157. Dana Maria Copolovici, Cristian Moisa, Andreea Lupitu, Andreea Gostăviceanu, Dorina Chambre, Claudia Mureșan, Alina Zamfir, Lucian Copolovici, Cell-penetrating peptides as antimicrobials, *The 16th Edition of the Conference "New Trends in Chemistry Research"*, 18-20 September 2024, Timisoara, Romania.

158. Lucian Copolovici, Andreea Lupitu, Flavia Bortes, Cristian Moisa, Dana Copolovici, The role of different stressors in altering plant physiology and secondary metabolites, *The 16th Edition of the Conference "New Trends in Chemistry Research"*, 18-20 September 2024, Timisoara, Romania.

159. Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dorina Chambre, Dana Maria Copolovici, Exploring antimicrobial peptides: a new frontier in cancer treatment innovation, *37th European Peptide Symposium and 14th International Peptide Symposium*, 25th-29th August 2024, Florence, Italy.

160. Dana Maria Copolovici, Cristian Moisa, Andreea Lupitu, Florina Bojin, Oana Gavriliuc, Mihaela Dochia, Dorina Chambre, Lucian Copolovici, Buforin-derived synthetic peptides with potential applications in medicine, *37th European Peptide Symposium and 14th International Peptide Symposium*, 25th-29th August 2024, Florence, Italy.

161. Dana-Maria Copolovici, Andreea Gostăviceanu, Cristian Moisa, Andreea Ioana Lupitu, Oana Gavriliuc, Florina Bojin, Alina Zamfir, Lucian Copolovici, Antimicrobial efficacy of novel cell-penetrating peptides, *The Annual International Conference of RSBMB*, 25th-27th September 2024, Bucharest, Romania.

162. Andreea Gostăviceanu, Cristian Moisa, Andreea Lupitu, Lucian Copolovici, Dana-Maria Copolovici, Synthesis and characterization of Buforin derivatives, *The Annual International Conference of RSBMB*, 25th-27th September 2024, Bucharest, Romania.

163. Lucian Copolovici, **Andreea Lupitu**, Flavia Bortes, Maria Cojocaru-Toma, Angelica Ohindovschi, Mihaela Nartea, Cristian Moisa, Dana Copolovici, The effect of different stressors on plant's physiologic parameters and secondary metabolites, *The 23rd International Conference "Life Sciences for Sustainable Development"*, 26th– 28th September 2024, Cluj-Napoca, Romania.

164. **Andreea Lupitu**, Lucian Copolovici, Flavia Bortes, Maria Cojocaru-Toma, Angelica Ohindovschi, Mihaela Nartea, Cristian Moisa, Dana Copolovici - The effect of different types of stresses on plant's volatile organic compound emissions, *The 23rd International Conference "Life Sciences for Sustainable Development"*, 26th– 28th September 2024, Cluj-Napoca, Romania.

165. Flavia Bortes, Lucian Copolovici, Cristian Moisa, **Andreea Lupitu**, Dana Copolovici -Photosynthetic efficiency and metabolic changes in Brassicaceae plants under combined drought and ozone stress, *The 23rd International Conference "Life Sciences for Sustainable Development"*, 26th– 28th September 2024, Cluj-Napoca, Romania.

166. Andreea Gostăviceanu, Cristian Moisă, **Andreea Lupitu**, Lucian Copolovici, Dana-Maria Copolovici, Buforin derivatives: synthesis and antimicrobial prospects, *The 23rd International Conference "Life Sciences for Sustainable Development"*, 26th– 28th September 2024, Cluj-Napoca, Romania.

167. Cristian Moisa, **Andreea Lupitu**, Lucian Copolovici, Dana-Maria Copolovici, Cell-penetrating peptides: microwave-assisted spps synthesis and characterization, *The 23rd International Conference "Life Sciences for Sustainable Development"*, 26th– 28th September 2024, Cluj-Napoca, Romania.

D) Conferințe studentști

1. Flavia Bortes, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici, Could plants grown at elevated carbon dioxide be more tolerant to ozone?, XXth Edition of Student scientific session, Arad, November 24-26, 2022.
2. Mihai Gașpar , Andreea Lupitu , Cristian Moisa , Denisa Peteleu , Lucian Copolovici, Bees And Odours, XXth Edition of Student scientific session, Arad, November 24-26, 2022.
3. Denisa Peteleu, Andreea Lupitu, Cristian Moisa, Virgiliu Ciutină, Dana Copolovici, Lucian Copolovici, Red cabbage plants: examining the impact of high carbon dioxide and ozone stress on plant growth, XXth Edition of Student scientific session, Arad, November 24-26, 2022.

4. Adina-Alina Căpățînă, Andreea Lupitu, Lucian Copolovici, The effects of climate change on germination of *Brassica oleracea* species, XXth Edition of Student scientific session, Arad, November 24-26, 2022.
5. Denisa Peteleu, Mihai Gaspar, Andreea Lupitu, Cristian Moisa, Sweet and tasty high fiber fruit snacks, XXth Edition of Student scientific session, Arad, November 24-26, 2022.
6. Mihai Gaspar, Denisa Peteleu, Andreea Lupitu, Cristian Moisa, High protein gluten-free muffins, XXth Edition of Student scientific session, Arad, November 24-26, 2022.

J) Proiecte

1. Oct 2010-Mai 2013: Membru în echipa de proiect: POS-CCE 210/2010, BASTEURES, “Plantele liberiene - Resurse regenerabile strategice pentru economia europeană”, director de proiect: Prof. Dr. Ryszard Kozłowski, Universitatea “Aurel Vlaicu”, Arad, România.

2. Apr 2012-Dec 2014: Membru în echipa de proiect: PN-II-RU-TE-2011-3-0022, “Compuși organici volatili emiși în urma stresului biotic și abiotic de plante din familia *Betulaceae* și *Fagaceae*”, director de proiect: Prof. Dr. Lucian Copolovici, Universitatea “Aurel Vlaicu”, Arad, Romania. Domeniu de cercetare: Determinarea cantitativă a relațiilor dintre intensitatea stresul indus si compuşii organici volatili emişi de către plante.

3. Iulie 2018-Decembrie 2018: Membru în echipa de proiect: CNFIS FDI 2018-0347, “Laborator la scara pilot de distilare pentru practica studentilor”, director de proiect: Prof. Dr. Lucian Copolovici, Universitatea “Aurel Vlaicu”, Arad, Romania.

4. Iulie 2019 – Decembrie 2019: Membru în echipa de proiect: CNFIS FDI 2019-0150, “Laborator la scara pilot pentru procesarea produselor din carne”, director de proiect: Prof. Dr. Lucian Copolovici, Universitatea “Aurel Vlaicu”, Arad, Romania.

5. Iunie 2020 – Decembrie 2020: Membru în echipa de proiect: CNFIS FDI 2020-0178, “Laborator de evaluare a calității mediul pentru practica studenților”, director de proiect: Prof. Dr. Lucian Copolovici, Universitatea “Aurel Vlaicu”, Arad, Romania.

6. Aprilie 2021-Decembrie 2023: Membru în echipa de proiect: PN-III-P4-ID-PCE-2020-0410, Impactul stresului abiotic și biotic asupra plantelor datorită schimbărilor climatice, director de proiect: Prof. Dr. Lucian Copolovici, Universitatea “Aurel Vlaicu”, Arad, Romania.

7. **Septembrie 2020-August 2022:** **Director**, PN-III-P1-1.1-PD-2019-0349, Influența factorilor abiotici asupra caracteristicilor fiziologice și a metaboliților secundari din plante aromatice, Universitatea “Aurel Vlaicu”, Arad, Romania.

8. **Mai 2022 – Decembrie 2022:** Membru în echipa de proiect: CNFIS-FDI-2022-0274, “Laborator de kinetoterapie și terapii complementare pentru practica studenților”, director de proiect: Prof. Dr. Lucian Copolovici, Universitatea “Aurel Vlaicu”, Arad, Romania.

9. **Iulie 2022 – Decembrie 2024:** Membru în echipa de proiect: PN-III-P4-PCE-2021-0639, Contract nr. 98 / 2022, Titlul: „Sisteme cu peptide penetrante celular ca potențiale platforme utilizate în tratamentul cancerului mamar și de prostată”, director de proiect: Prof. Dr. Dana Copolovici, Universitatea “Aurel Vlaicu”, Arad, Romania.

K) Premii

1. **Award of Excellence** pentru lucrarea: “Lacase-based biosensor for estimation polyphenolic index of wine “- Secosoft - Sibiu - 2010.

2. **Mention** at the Regional Competition organized by Eco-Innovation 2014 Tehimpuls; exhibited in the Regional Innovation Fair on 12 November 2014 at Expo Arad. Beneficiary of the training session in the field of innovation and property rights by intellectual project "Eco-Innovative Companies in the West Region."

3. **First place** at Student Scientific Session, Faculty of Food Engineering, Tourism and Environmental Protection, Section: Product Presentation, Cristian Moisa, Lucian Copolovici, **Andreea Lupitu**, Dana Copolovici, Ricotta Thyme, Arad, 2018.

4. **Best Poster** la “The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest "Agriculture for Life, Life for Agriculture"”, session Agricultural Biotechnology, **Andreea I. Lupitu**, Daniel Tomescu, Claudia Anca Mot, Cristian Moisa, Dana Maria Copolovici, Lucian Copolovici, Variation in phenolic content and antioxidant activity of different plant parts of *Primula veris*, Bucuresti, 2018.

5. **Best Poster** la “The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest "Agriculture for Life, Life for Agriculture"”, session Food Safety, Moisa Cristian, Copolovici Lucian, **Lupitu Andreea**, Ciutina Virgiliu, Copolovici Dana, Essential oil composition, total phenolic content, and antioxidant activity - determined from leaves, flowers and stems of *Origanum Vulgare* L. var. *Aureum*, Bucuresti, 2018.

6. **Second price** at Student Scientific Session, Faculty of Food Engineering, Tourism and Environmental Protection, XIX Edition, Denisa Peteleu, Flavia Bortes, Cristian Moisa, Dana Maria Copolovici, Lucian Copolovici, **Andreea I. Lupitu**, Tobacco?! Cigarettes vs Heated Tobacco Products, Arad, 25-26 noiembrie 2021.

7. **Best Presentation** la International Conference on Agriculture for Life, Life for Agriculture, Flavia Bortes, **Andreea Lupitu**, Cristian Moisa, Dana Copolovici, Virgiliu Ciutina, Denisa Peteleu, Lucian Copolovici, The Influence of Elevated Carbon Dioxide on Raphanus sativus Plants, Bucharest, 2-4 June 2022.

Arad,

7.10.2024