

Publication list

A) ISI articles

1. Ioana Ignat, Dana G. Radu, Irina Volf, **Andreea I. Pag**, Valentin I. Popa, Antioxidant and antibacterial activities of some natural polyphenols, Cellulose Chemistry and Technology, 47 (5-6), 2013, pp 387-399, WOS:000324003000008.
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- 3 **Andreea I. Pag**, Dana G. Radu, Dan Draganescu, Marcel I. Popa, Cecilia Sîrghie, Flaxseed cake – a sustainable source of antioxidant and antibacterial extracts, Cellulose Chemistry and Technology, 48 (3-4), 2014, pp. 265-273, WOS:000339139600010.
- 4 Ryszard M. Kozłowski, Agnieszka Kręgielczak, Dana G. Radu, **Andreea I. Pag**, Cecilia Sîrghie, Flax seeds as source of biomedical products and foods, Special issue of Molecular Crystals and Liquid Crystals, Proceed. of 12 ICFPAM, 603 (1), 2014, pp. 122-135, WOS:000346340700012.
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- 8 Monica Tășchină, Dana Maria Copolovici, Simona Bungău, **Andreea Lupitu**, Lucian Copolovici, Ciprian Iovan, The influence of residual acetaminophen on beans (Phaseolus

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9 Cristian Moisa, Lucian Copolovici, Simona Bungau, Georgeta Pop, Ilinca Imbrea, **Andreea Lupitu**, Sebastian Nemeth, Dana Copolovici, Wastes resulting from aromatic plants distillation - bio-sources of antioxidants and phenolic compounds with biological active principles, Farmacia, 2018, 66, 289-295, WOS:000431275100015.

10 Claudia Anca Mot, **Andreea I. Lupitu**, Simona Bungau, Ciprian Iovan, Dana Maria Copolovici, Lavinia Purza, Carmen Elena Melinte (Frunzulica), Lucian Copolovici, Composition and Antioxidant Activity of Aqueous Extracts Obtained from Herb of Tansy (Tanacetum vulgare L.), Revista de chimie, 2018, 69, 1041-1044, WOS:000434954100002.

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- 20 Rodica Beicu, Ersilia Alexa, Diana Obistoiu, Ileana Cocan, Florin Imbrea, Georgeta Pop, Denisa Circioban, Cristian Moisa, **Andreea Lupitu**, Lucian Copolovici, Dana Maria Copolovici, and Ilinca Merima Imbrea, Antimicrobial Potential and Phytochemical Profile of Wild and Cultivated Populations of Thyme (*Thymus* sp.) Growing in Western Romania, *Plants*, 2021, 10, 1833, WOS:000701086100001.
- 21 Lucian Copolovici, **Andreea Lupitu**, Cristian Moisa, Monica Taschina, Dana M. Copolovici, The effect of antagonist abiotic stress on bioactive compounds from basil (*Ocimum basilicum*), *Applied Sciences*, 2021, 11, 9282, WOS:000709839700001.
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B) Articole 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.

2. Cristian Moisa, Lucian Copolovici, Georgeta Pop, **Andreea Lupitu**, Virgiliu Ciutina, Dana Copolovici, Essential oil composition, total phenolic content, and antioxidant activity - determined from leaves, flowers and stems of *Origanum Vulgare* L. var. *Aureum*, *ISI Proceedings*, Sciendo vol. 1(1): pp. 555 – 561, 2018, DOI: 10.2478/alife-2018-0087.

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D) Book chapter

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E) BDI articles

1. Lucian Copolovici, **Andreea Pag**, Astrid Kännaste, Daniel Tomescu, Adina Bodescu, Ülo Niinemets, Volatile organic compound emissions from *Quercus* genus under abiotic stresses, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, vol. 3, 2014, pp 5-8, ISSN 2285-6064.

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F) Scientific articles

1. **Andreea Pag**, Adina Bodescu, Astrid Kännaste, Daniel Tomescu, Ülo Niinemets, Lucian Copolovici, Volatile Organic Compounds Emission from *Betula verrucosa* under Drought Stress, Scientific Bulletin of Escorena, vol. 8, 2013, pp 45-55, ISSN 2069-8070.

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4. **Pag Andreea**, Radu Dana, Draganescu Dan, Popa Marcel I., Sirghie Cecilia, Obtaining and characterization of flax seed lignans, ISREIE International Conference, Arad, Nov 2012.

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16. **Andreea Ioana Pag**, Daniel Tomescu, Astrid Kännaste, Adina Bodescu, Ülo Niinemets, Lucian Copolovici, Volatile organic compound emissions from *Quercus robur* under abiotic and biotic stress, ELSEDIMA International Conference, Cluj-Napoca, Sept 2014.

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36. Moisa Cristian, Copolovici Lucian, **Lupitu Andreea**, Copolovici Dana Maria, Natural Plant Products – Secondary Metabolites With Important Nutraceutical Applications, Student Scientific Session, Faculty of Food Engineering, Tourism and Environmental Protection, XVI Edition, 10-12 mai 2018.

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139. Lucian Copolovici, **Andreea Lupitu**, Cristian Moisa, Flavia Bortes, Simona Gavrilas, Dana Copolovici, Modifications in plants polyphenols profile due to biotic stress and climate change, *15th Edition of the Conference "New Trends in Chemistry Research"*, September, 21-22, 2023, Timisoara, Romania.

140. Dana-Maria Copolovici, Andreea Gostăviceanu, Dana Gina Radu, Cristian Moisa, **Andreea Lupitu**, Simona Gavrilas, Dorina Chambre, Claudia Mureșan, Alina Zamfir, Lucian Copolovici, Antimicrobial Peptides And Their Potential In Biomedical Application, *The 15th Edition of the Conference "New Trends in Chemistry Research"*, Timisoara, Romania, 21-22 September 2023.

141. Dana Maria Copolovici, Andreea Gostăviceanu, Carmen Popa, Cristian Moisa, **Andreea Ioana Lupitu**, Oana Gavriluic, Florina Bojin, Lucian Copolovici, New Cell-Penetrating Peptides with Antimicrobial Properties, *The Annual International Conference of The Romanian Society of Biochemistry and Molecular Biology*, Cluj-Napoca, Romania, 13-15 September 2023.

142. Lucian Copolovici, Andreea Gostăviceanu, Simona Gavrilas, Dana G. Radu, Mihaela Dochia, Cristian Moisa, **Andreea Ioana Lupitu**, Dana Maria Copolovici, Peptide-Based Therapeutics, *The Annual International Conference of The Romanian Society of Biochemistry and Molecular Biology*, Cluj-Napoca, Romania, 13-15 September 2023.

143. Lucian Copolovici, Cristian Moisa, **Andreea Lupitu**, Flavia Bortes, Denisa Peteleu, Dana Copolovici, The synergic effect of elevated carbon dioxide and biotic stress on plants physiologic parameters and secondary metabolites, *The 22th International Conferences "Life Sciences For Sustainable Development"*, 28th– 30th September, 2023, Cluj-Napoca, Romania

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 Gavriluic, 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 Gavrilas, 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 Gavrilas, 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 Gavriluc, 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 Gavriluc, 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.

H) Student conferences

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 Căpățină, 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.

D) Projects

1. Oct 2010-May 2013: Project team member: POS-CCE 210/2010, BASTEURES, "Liberian plants - Strategic renewable resources for the European economy", project director: Prof. Dr. Ryszard Kozłowski, "Aurel Vlaicu" University ", Arad, Romania.

2. Apr 2012-Dec 2014: Member of the project team: PN-II-RU-TE-2011-3-0022, "Volatile organic compounds emitted following biotic and abiotic stress of plants from the Betulaceae and Fagaceae family", director of project: Prof. Dr. Lucian Copolovici, "Aurel Vlaicu" University, Arad, Romania. Research field: Quantitative determination of the relationships between the intensity of induced stress and the volatile organic compounds emitted by plants.

3. July 2018-December 2018: Member of the project team: CNFIS FDI 2018-0347, "Pilot-scale distillation laboratory for student practice", project director: Prof. Dr. Lucian Copolovici, "Aurel Vlaicu" University, Arad, Romania.

4. July 2019 – December 2019: Project team member: CNFIS FDI 2019-0150, "Pilot-scale laboratory for the processing of meat products", project director: Prof. Dr. Lucian Copolovici, "Aurel Vlaicu" University, Arad, Romania.

5. June 2020 – December 2020: Member of the project team: CNFIS FDI 2020-0096, "Environmental quality assessment laboratory for student practice", project director: Prof. Dr. Lucian Copolovici, "Aurel Vlaicu" University, Arad, Romania.

6. April 2021-December 2023: Project team member: PN-III-P4-ID-PCE-2020-0410, The impact of abiotic and biotic stress on plants due to climate change, project director: Prof. Dr. Lucian Copolovici, "Aurel Vlaicu" University, Arad, Romania.

7. September 2020-August 2022: **Director**, PN-III-P1-1.1-PD-2019-0349, Executive Unit for the Financing of Higher Education, Research, Development and Innovation (UEFISCDI), Influence of abiotic factors on physiological characteristics and secondary metabolites from aromatic plants, "Aurel Vlaicu" University, Arad, Romania, **246.950 RON**.

8. May 2022 – December 2022: Member of the project team: CNFIS-FDI-2022-0274, "Laboratory of physical therapy and complementary therapies for students' practice", project director: Prof. Dr. Lucian Copolovici, "Aurel Vlaicu" University, Arad, Romania.

9. July 2022 – December 2024: Member of the project team: PN-III-P4-PCE-2021-0639, Contract no. 98 / 2022, Title: "Systems with cell-penetrating peptides as potential platforms used in the treatment of breast and prostate cancer", project director: Prof. Dr. Dana Copolovici, "Aurel Vlaicu" University, Arad, Romania.

10. Octombrie 2024 – Decembrie 2024: Member of the project team: PN-IV-P8-8.3-ROMD-2023-0022, " Impact of different habitats and abiotic stressors on metabolites of plants in the genera *Galium* and *Helichrysum* ", project director: Prof. Dr. Lucian Copolovici, "Aurel Vlaicu" University, Arad, Romania.

J) Awards

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,

30.10.2025