

PUBLICATION LIST

Scientific Research Assistant PhD student Eng. Flavia Bortea

a) WOS articles

1. Andreea Lupitu, Cristian Moisa, **Flavia Bortea**, Denisa Peteleu, Mihaela Dochia, Dorina Chambre, Virgiliu Ciutină, Dana Maria Copolovici and Lucian Copolovici, The Impact of Increased CO₂ and Drought Stress on the Secondary Metabolites of Cauliflower (*Brassica oleracea* var. *botrytis*) and Cabbage (*Brassica oleracea* var. *capitata*), *Plants*, **2023**, 12, 1806, 3098 (I.F. = 4.5).
2. Andreea Lupitu, **Flavia Bortea**, Cristian Moisa, Dana Maria Copolovici, Lucian Copolovici, The Impact of Eurydema Ventralis Infestation on *Brassica Oleracea* var. *Botrytis* Grown at Different CO₂ Concentrations in Romania, *Journal of Soil Science and Plant Nutrition*, 2025, (I.F. = 3.1).

b) IDB articles

1. Lucian Copolovici, Marinela Brencea, Andreea Lupitu, **Flavia Bortea**, Cristian Moisa, Dana Copolovici, Analyzing the variations in pollution levels found in medical facilities, *Scientific and Technical Bulletin, Series: Chemistry, Food Science and Engineering*, **2023**, 20, 34-38.
2. Lucian Copolovici, Flavia Bortea, Brenda Svinti, Andreea Lupitu, Cristian Moisa, Dana Copolovici, The influence of expired medicines on plant photosynthesis parameters and chlorophyll pigments, *Scientific and Technical Bulletin, Series: Chemistry, Food Science and Engineering*, **2023**, 20, 18-24.
3. Denisa Bacalu-Rus, Ioan Both, Flavia Bortea, Andreea Lupitu, Dana Copolovici, Lucian Copolovici, *The Influence of Heavy Metals Contained in Sludge Used as Fertilizer for the Dahlia Variabilis Plant on Photosynthetic Traits*, WSEAS Transactions on Environment and Development, **2025**, 21, 417-425.

INTERNATIONAL/NATIONAL CONFERENCES

1. **Flavia Bortes**, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Virgiliu Ciutina, Denisa Peteleu, Lucian Copolovici, *The influence of elevated carbon dioxide on Raphanus sativus plants*, International Conference on Agriculture for Life, Life for Agriculture, 2-4 June 2022, Bucharest.
2. Flavia Bortes, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Virgiliu Ciutina, Dana Copolovici, *Raphanus sativus plants: a model for studying plant effects growth at elevated carbon dioxide and ozone stress*, The 21st International Conference "Life Sciences for Sustainable Development", 15th– 17th September, 2022, Cluj-Napoca, Romania.
3. Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Flavia Bortes, Virgiliu Ciutina, Dana Copolovici, *The influence of elevated carbon dioxide on Brassicaceae drought tolerance*, The 21st International Conference "Life Sciences for Sustainable Development", 15th– 17th September 2022, Cluj-Napoca, Romania.
4. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Virgiliu Ciutină, Flavia Bortes, Dana Copolovici, *The influence of the climate change and elevated carbon dioxide on the plants stress tolerance*, A XXXVI Conferința Națională de Chimie, 4-7 octombrie 2022, Calimanesti-Caciulata.
5. **Flavia Bortes**, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Virgiliu Ciutina, Lucian Copolovici, *The influence of elevated carbon dioxide on Raphanus sativus plants fumigated with ozone*, A XXXVI Conferința Națională de Chimie, 4-7 octombrie 2022, Calimanesti-Caciulata.
6. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Simona Gavrilas, Dana Copolovici, *Elevated carbon dioxide influences on plants polyphenols*, The 14th Edition of the Symposium with International Participation New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 20-21 October 2022, Timisoara.
7. **Flavia Bortes**, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici, *Raphanus sativus plants exposed to high carbon dioxide concentrations and ozone stress*, International Conference and XXXIX Scientific Session of the Romanian Society for Cell Biology (RSCB) 21st-23rd October 2022, Cluj-Napoca.

8. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Denisa Peteleu, Virgiliu Ciutina, Dana Copolovici, *Carbon dioxide's impact on Brassicaceae drought tolerance*, International Conference and XXXIX Scientific Session of the Romanian Society for Cell Biology (RSCB) 21st-23rd October 2022, Cluj-Napoca.
9. Gavrilăș Simona, Lupitu Andreea, Moisă Cristian, Bortș Flavia, Peteleu Denisa, Copolovici Dana, Copolovici Lucian, *The simultaneous effect of increasing carbon dioxide and decreasing water intake on antioxidants levels in different plants*, "Life sciences today for tomorrow" International Congress, 20th-21th October 2022, Iasi, Romania.
10. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Denisa Peteleu, Virgiliu Ciutina, Dana Copolovici, *The effect of high carbon dioxide on plants drought tolerance*, 7th Edition of Global Conference on Plant Science and Molecular Biology, 1-2 September 2022, Paris, France.
11. Lucian Copolovici, Andreea Lupitu, Flavia Bortes, Cristian Moisa, Denisa Peteleu, Dana Copolovici - *The impact of elevated global atmospheric carbon dioxide on sustainable development*, Environment & Progress, 18 – 19 Mai 2023, Cluj-Napoca, România.
12. Cristian Moisa, Andreea Lupitu, Denisa Peteleu, Flavia Bortes, Dana Copolovici, Lucian Copolovici - *Climate change and the agriculture of the future*, Environment & Progress, 18 – 19 Mai 2023, Cluj-Napoca, România.
13. **Flavia Bortes**, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici - *The high atmospheric carbon dioxide concentration impact on the plant's metabolites*, Environment & Progress, 18 – 19 Mai 2023, Cluj-Napoca, România.
14. Denisa Peteleu, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Dana Maria Copolovici, Lucian Copolovici - *The influence of flooding on Brassicaceae plants grown in elevated carbon dioxide*, Environment & Progress, 18 – 19 Mai 2023, Cluj-Napoca, România.
15. Flavia Bortes, Ioana Margarit, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Virgiliu Ciutina, Lucian Copolovici - *The synergic effect of high temperature and elevated carbon dioxide on cauliflower plants*, The Twelfth Edition of the International Conference "Agriculture for Life, Life for Agriculture, 8-10 June, 2023, University of Agronomic Sciences and Veterinary Medicine, Bucharest, Romania.
16. Lucian Copolovici, Andreea Lupitu, Flavia Bortes, Cristian Moisa, Denisa Peteleu, Dana Copolovici, *The impact of the biotic stress on the plants grew at elevated carbon dioxide*, *International Conference on Agriculture for Life, Life for Agriculture*, 8-10 June 2023, Bucharest.

CONFERENCES WITHIN THE DOCTORATE PROGRAM

1. **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 22nd International Conference "Life Sciences for Sustainable Development", 28th– 30th September 2023, Cluj-Napoca, Romania.
2. 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 22nd International Conference "Life Sciences for Sustainable Development", 28th– 30th September 2023, Cluj-Napoca, Romania.
3. 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 22nd International Conference "Life Sciences for Sustainable Development", 28th– 30th September 2023, Cluj-Napoca, Romania.
4. 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", 28th– 30th September 2023, Cluj-Napoca, Romania.
5. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Simona Gavrilas, Dana Copolovici – *Modifications in plants polyphenols profile due to biotic stress and climate change*, The 15th edition of the conference "New Trends in Chemistry Research," 21-22 September 2023, Timișoara, Romania.
6. **Flavia Bortes**, Andreea Lupitu, Cristian Moisa, Lucian Copolovici, Dana Maria Copolovici - *Antimicrobial cell-penetrating peptides*, The 6th International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR-2023), "Conference Theme: Innovation In Multidisciplinary Research & Practice", 10-11 November 2023, Istanbul, Turkey.
7. Andreea Lupitu, Flavia Bortes, Cristian Moisa, Lucian Copolovici, Dana Maria Copolovici - *Cell-penetrating peptides of natural and synthetic origin*, The 6th International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR-2023),

"Conference Theme: Innovation In Multidisciplinary Research & Practice", 10-11 November 2023, Istanbul, Turkey.

8. **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*, International Conference on Global Practice of Multidisciplinary Scientific Studies-V, December 10-12, 2023, Baku, Azerbaijan.
9. 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*, International Conference on Global Practice of Multidisciplinary Scientific Studies-V, December 10-12, 2023, Baku, Azerbaijan.
10. Dana Maria Copolovici Cristian Moisa Andreea Lupitu Flavia Bortes Dana Gina Radu Lucian Copolovici - *Antimicrobial peptides: synthesis, characterization and applications*, International Conference on Global Practice of Multidisciplinary Scientific Studies-V, December 10-12, 2023, Baku, Azerbaijan.
11. **Flavia Bortes**, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici – *Impact of combined drought and ozone stress on photosynthetic activity in Brassicaceae plants*, The IVth Edition of PhD Students' Days, May 23-24, 2024, Arad, Romania.
12. Denisa Bacalu-Rus, Flavia Bortes, Andreea Lupitu, Dana Copolovici and Lucian Copolovici – *Evaluating the efficacy of sewage sludge from Arad' water treatment plant as a sustainable fertilizer for Dahlia plants*, The IVth Edition of PhD Students' Days, May 23-24, 2024, Arad, Romania.
13. **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.
14. Lucian Copolovici, Flavia Bortes, Andreea Lupitu, Cristian Moisa, Dana Copolovici - *Exploring the effects of climate change on biotic stress factors in plants*, Environment & Progress, 13 – 15 Iunie 2024, Cluj-Napoca, România.
15. 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.
16. **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.

17. 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.
18. 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.
19. Angelica Ohindovschi, Andreea Lupitu, Cristian Moisa, Flavia Borteș, Dana Maria Copolovici, Lucian Copolovici, Maria Cojocaru-Toma - *Determinarea capacității antioxidante a speciilor genului Galium*, Catedra de farmacognozie și botanică farmaceutică, USMF „Nicolae Testemițanu”, Republica Moldova, Institutul de Cercetare Interdisciplinar, Universitatea „Aurel Vlaicu”, Arad, România.
20. Lucian Copolovici, Angelica Ohindovschi, Mihaela Nartea, Andreea Lupitu, Cristian Moisa, Flavia Borteș, Dana Maria Copolovici, Maria Cojocaru-Toma - *Determinarea parametrilor fotosintetici ai plantelor din Galium verum și Helichrysum italicum din flora Republicii Moldova și a României*, Al X-lea Congres al Farmaciștilor din Republica Moldova, Facultatea de Farmacie – Șase decenii de inovație și progress, USMF „Nicolae Testemițanu”, Chișinău, Republica Moldova, Universitatea Aurel Vlaicu din Arad, România, Noiembrie, 2024.
21. **Flavia Borteș**, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici - *Interactive Effects of Rising CO₂ Levels and Drought Stress on Photosynthesis and Metabolic Profiles in Raphanus sativus* - The 32nd International Symposium „Deltas and Wetlands”, Tulcea, Romania, 2025.
22. Angelica Ohindovschi, Mihaela Nartea, Lucian Copolovici, Dana Maria Copolovici, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Maria Cojocaru-Toma - *Total content of polyphenols and flavonoids in lyophilized extracts of Galium verum and Galium aparine* - The Vth Edition of PhD Students' Days, May 22-24, 2025, Arad, Romania.
23. Mihaela Nartea, Angelica Ohindovschi, Lucian Copolovici, Dana Maria Copolovici, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Maria Cojocaru-Toma - *Quantitative*

determination of carotenoids in species of the genus Helichrysum - The Vth Edition of PhD Students' Days, May 22-24, 2025, Arad, Romania.

24. **Flavia Bortes**, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici - *Adaptive responses of Raphanus sativus to simultaneous increases in CO₂ and drought stress* - The Vth Edition of PhD Students' Days, May 22-24, 2025, Arad, Romania.
25. **Flavia Bortes**, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici - *Photosynthetic and biochemical characterization of Raphanus sativus plants under drought and ozone exposure* - International Conference on Agriculture for Life, Life for Agriculture, 5-7 June 2025, Bucharest, Romania.
26. Lucian Copolovici, Andreea Lupitu, Flavia Bortes, Maria Cojocaru-Toma, Angelica Ohindovschi, Mihaela Nartea, Cristian Moisa, Dana Copolovici – *The impact of abiotic stress on Galium verum and Helichrysum italicum: physiological and biochemical responses* - International Conference on Agriculture for Life, Life for Agriculture, 5-7 June 2025, Bucharest, Romania.
27. Angelica Ohindovschi, Mihaela Nartea, Rodica Peredelcu, Vlada Costeva, Lucian Copolovici, Dana Maria Copolovici, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Maria Cojocaru-Toma - *Toxicitatea acută a extractului speciei Galium verum L.* - Farmacia în contextual schimbărilor globale: Provocări și oportunități în cadrul Congresului Național de Farmacie, 24-26 septembrie 2025, Târgu Mureș, România.
28. Angelica Ohindovschi, Mihaela Nartea, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Dana Maria Copolovici, Lucian Copolovici, Maria Cojocaru Toma - *Comparative study of polyphenolic compounds in extracts from Galium species* - 10th Edition of Global Conference on Plant Science and Molecular Biology 5th Edition of Global Conference on Agriculture and Horticulture, 8-10 September 2025, Valencia, Spain.
29. Maria Cojocaru-Toma, Angelica Ohindovschi, Mihaela Nartea, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Dana Maria Copolovici, Lucian Copolovici - *Optimization of polyphenol extraction in aerial parts of Agrimonia eupatoria l. and Cichorium intybus L.* - 10th Edition of Global Conference on Plant Science and Molecular Biology 5th Edition of Global Conference on Agriculture and Horticulture, 8-10 September 2025, Valencia, Spain.
30. **Flavia Bortes**, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici - *Climate challenges: assessing the effects of drought and heat stress on Raphanus sativus photosynthesis and pigment content* - The 24th International Conference "Life Sciences for Sustainable Development", 25th– 27th September 2024, Cluj-Napoca, Romania.

31. Lucian Copolovici, Andreea Lupitu, Flavia Bortes, Maria Cojocaru-Toma, Angelica Ohindovschi, Mihaela Nartea, Cristian Moisa, Dana Copolovici - *Contrasting water-stress responses in Galium verum and Helichrysum italicum: photosynthesis, phenolics, and VOC signatures* - The 24th International Conference "Life Sciences for Sustainable Development", 25th– 27th September 2024, Cluj-Napoca, Romania.
32. Nartea Mihaela, Ohindovschi Angelica, Copolovici Lucian, Copolovici Dana Maria, Lupitu Andreea, Moisa Cristian, Bortes Flavia, Cojocaru-Toma Maria - *Ultrasound assisted extraction and quantitative determination of polyphenol compounds in species of the genus Helichrysum* - National Conference with International Participation: Natural Sciences in the Dialogue of Generations – 2025, VIIIth edition, September 18-19, 2025, Chisinau, Republic of Moldova.
33. Nartea Mihaela, Ohindovschi Angelica, Copolovici Lucian, Copolovici Dana Maria, Lupitu Andreea, Moisa Cristian, Bortes Flavia, Cojocaru-Toma Maria - *Quantitative determination of chlorophyll a and b in herbal product of Helichrysum species* - National Conference with International Participation: Natural Sciences in the Dialogue of Generations - 2025, VIIIth edition, September 18-19, 2025, Chisinau, Republic of Moldova.
34. Lucian Copolovici, Andreea Lupitu, Flavia Borteș, Cristian Moisa, Maria Cojocaru-Toma, Dana Copolovici - *The impact of abiotic stress on plants with pharmaceutical potential* - Congresul aniversar cu participare internațională „80 de ani de inovație în sănătate și educație medicală”, USMF „Nicolae Testemițanu”, 20-22 octombrie 2025, Chișinău, Republica Moldova.
35. Andreea Lupitu, Lucian Copolovici, Cristian Moisa, Flavia Borteș, Maria Cojocaru-Toma, Dana Maria Copolovici - *Influence of abiotic stress on volatile organic compounds of plants from the genera Galium and Helichrysum* - Congresul aniversar cu participare internațională „80 de ani de inovație în sănătate și educație medicală”, USMF „Nicolae Testemițanu”, 20-22 octombrie 2025, Chișinău, Republica Moldova.
36. Cristian Moisă, Andreea Ioana Lupitu, Flavia Viorela Borteș, Dana Maria Copolovici, Maria Cojocaru-Toma, Lucian Octav Copolovici, *Determination of structural changes induced by abiotic stress in Galium and Helichrysum species using SEM microscopy*, Congresul aniversar cu participare internațională „80 de ani de inovație în sănătate și educație medicală”, USMF „Nicolae Testemițanu”, 20-22 octombrie 2025, Chișinău, Republica Moldova.

37. Dana Maria Copolovici, Cristian Moisă, Andreea Lupitu, Flavia Borteș, Lucian Copolovici, Synthesis, characterization and evaluation of the biomedical potential of cell-penetrating peptides, Congresul aniversar cu participare internațională „80 de ani de inovație în sănătate și educație medicală”, USMF „Nicolae Testemițanu”, 20-22 octombrie 2025, Chișinău, Republica Moldova.
38. Flavia Borteș, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Maria Cojocaru-Toma, Dana Maria Copolovici, Effects of abiotic stress and bioactive compounds from *Galium* and *Helichrysum*: a perspective on antioxidant capacity, Congresul aniversar cu participare internațională „80 de ani de inovație în sănătate și educație medicală”, USMF „Nicolae Testemițanu”, 20-22 octombrie 2025, Chișinău, Republica Moldova.
39. Andreea Gostăviceanu, Cristian Moisa, Andreea Lupitu, Flavia Borteș, Lucian Copolovici, Dana-Maria Copolovici, Antimicrobial Peptides: The Future of Antibiotic Resistance, 8th Annual Conference and Innovation of the Faculty of Science and Technology - University of Nairobi - 22 -24 October 2025.
40. **Flavia Bortes**, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici, Heat and Drought Stress: Photosynthetic and Pigment Responses in *Raphanus Sativus* Plants, 8th Annual Conference and Innovation of the Faculty of Science and Technology - University of Nairobi - 22 -24 October 2025.
41. **Flavia Bortes**, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici, Physiological and biochemical responses of *Raphanus sativus* plants to abiotic stress, 11th International Conference on Environmental Science and Technology (ICOEST 2025), October 22–26, 2025, Sarajevo, Bosnia and Herzegovina.
42. Flavia Bortes, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici, Cojocaru-Toma Maria, Angelica Ohindovschi, Mihaela Nartea, Impact of abiotic stress on bioactive compounds and antioxidant capacity in *Galium* and *Helichrysum*, 11th International Conference on Environmental Science and Technology (ICOEST 2025), October 22–26, 2025, Sarajevo, Bosnia and Herzegovina.
43. Flavia Bortes, Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Maria Cojocaru-Toma, Angelica Ohindovschi, Mihaela Nartea, Dana Maria Copolovici, Biochemical Responses of *Galium* and *Helichrysum* to abiotic stresses, 2nd International Conference on Applied Science and Engineering scheduled on November 03-04, 2025, in Prague, Czech Republic.
44. Cristian Moisa, Andreea Lupitu, Flavia Bortes, Dana Copolovici, Maria Cojocaru-Toma, Angelica Ohindovschi, Lucian Copolovici, Morphological responses of *Galium* spp.

stomata to ozone stress revealed by SEM analysis, 2nd International Conference on Applied Science and Engineering scheduled on November 03-04, 2025, in Prague, Czech Republic.

45. Andreea Lupitu, Lucian Copolovici, Flavia Bortes, Maria Cojocaru-Toma, Angelica Ohindovschi, Mihaela Nartea, Cristian Moisa, Dana Copolovici, The Influence of Abiotic Stress on the Volatile Organic Compounds Emissions of *Gallium* and *Helichrysum* Genera, 2nd International Conference on Applied Science and Engineering, November 03-04, 2025, in Prague, Czech Republic.

STUDENT CONFERENCES

1. Flavia Bortes, Lucian Copolovici – *Chemical composition of different mint essential oils*, The XVIth Edition of Student Scientific Session, May 10-12, 2018, Arad, Romania. Premiul III la secțiunea prezentări orale.
2. Flavia Bortes, Lucian Copolovici – *English vs. French Lavender...What's the difference?*, The XVIIth Edition of Student Scientific Session, April 11-13, 2019, Arad, Romania. Premiul special din partea juriului.
3. Flavia Bortes, Lucian Copolovici – *Bilb-Laven Cheesecake*, The XVIIth Edition of Student Scientific Session, April 11-13, 2019, Arad, Romania. Premiul III la secțiunea prezentare produs.
4. Flavia Bortes, Lucian Copolovici – *English vs. French Lavender...What's the difference?*, Simpozionul Științific Studentesc, Ediția a XVII-a a Universității de Științe Agricole și Medicină Veterinară, Cluj-Napoca, România.
5. Flavia Bortes, Lucian Copolovici – *Diferența în compoziția chimică dintre uleiurile esențiale de lavandă engleză și franceză*, Simpozionul Științific Studentesc "Protecția Mediului - prezent și viitor", Ediția a X-a, 5 iunie 2019, Oradea, România. Premiul III la secțiunea prezentări orale.
6. Flavia Bortes, Lucian Copolovici – *English vs. French Lavender...What's the difference?*, The international student project contest in the field of biology and agricultural science, Section "Agriculture", 14 June 2019, Banat's University of

Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara, România. Mențiunea I la secțiunea prezentări orale.

7. Flavia Bortes, Lucian Copolovici – *Essential oils used as mosquitoes repellents*, The XVIIIth Edition of Student Scientific Session, November 26-27, 2020, Arad, România. Premiul II la secțiunea prezentări orale. Premiul special din partea juriului.
8. Denisa Peteleu, Flavia Bortes, Cristian Moisa, Dana Maria Copolovici, Lucian Copolovici, Andreea I. Lupitu - *TOBACCO ?! CIGARETTES vs HEATED TABACCO PRODUCTS*, The XIXth Edition of Student Scientific Session, November 25-26, 2021, Arad, România.
9. Flavia Bortes, Lucian Copolovici – *Mosquito repellent: Ultrasonic diffuser versus classic candle diffuser*, The XIXth Edition of Student Scientific Session, November 25-26, 2021, Arad, România. Premiul II la secțiunea prezentări orale. Premiul special din partea juriului.
10. Flavia Bortes, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici – *Could plants grown at elevated carbon dioxide be more tolerant to ozone?*, The XXth Edition of Student Scientific Session, November 24-26, 2022, Arad, România. Premiul II la secțiunea prezentări orale.
11. Flavia Bortes, Cristian Moisa, Andreea Lupitu, Dana Copolovici, Lucian Copolovici – *The high atmospheric carbon dioxide concentration impact on the plant's metabolites* – The XXIth Edition of Student Scientific Session, May 29-31, 2023, Arad, Romania. Premiul II la secțiunea prezentări orale.
12. Denisa Ioana Peteleu, Andreea Lupitu, Cristian Moisa, Flavia Bortes, Dana Copolovici, Lucian Copolovici – *The effects of flooding on Brassicaceae plants grown in high carbon dioxide concentrations*, The XXIth Edition of Student Scientific Session, May 29-31, 2023, Arad, Romania.
13. Maria Martinez-López, Flavia Bortș, Paola Florescu, Teodor Cilan, Claudia Mureșan, Cristina Aldavero - *AI in the bottle: designing targeted wine marketing campaigns for young consumers* - The XXIIIrd Edition of Student Scientific Session, May 21-23, 2025, Arad, Romania.
14. Paola Florescu, Flavia Bortș, Alexandru Gancea, Andreea Lupitu, Cristian Moisa, Maria Martinez López, Claudia Mureșan, Sergiu Palcu, Teodor Cilan, Dana Maria Copolovici, Lucian Copolovici - *Anthocyanin and flavonoid profiling of red wines: implications for color stability* - The XXIIIrd Edition of Student Scientific Session, May 21-23, 2025, Arad, Romania.

15. Simina Moroșan -Toderici, Mirela Hoza, Paola Florescu, Pedro Filipe Dias de Araújo, Alexandru Gancea, Alexandru Rus Roman, 1Flavia Borteș, Sergiu Palcu, Teodor Cilan, Claudia Mureșan - *Sensory harmonies: comparative organoleptic analysis of traditional spanish wines and newly created blends* - The XXIIIrd Edition of Student Scientific Session, May 21-23, 2025, Arad, Romania.
16. Paul Sălăjan, Flavia Borteș, Paola Florescu, Cristian Cotuna, Andreea Lupitu, Cristian Moisa, Sergiu Palcu, Teodor Cilan, Lucian Copolovici, Dana Maria Copolovici - *Chemical fingerprinting of wine aromas via liquid-liquid extraction and HS-GC-MS* - The XXIIIrd Edition of Student Scientific Session, May 21-23, 2025, Arad, Romania.
17. Simina Moroșan-Toderici, Paola Florescu, Flavia Borteș, Paul Sălăjan, Mirela Hoza, Andreea Lupitu, Cristian Moisa, Claudia Mureșan, Teodor Cilan, Dana Maria Copolovici, Lucian Copolovici - *Comparative evaluation of DPPH, FRAP and phenolic content in diverse wine samples* - The XXIIIrd Edition of Student Scientific Session, May 21-23, 2025, Arad, Romania.
18. Flavia Bortes - Efectele stresului hidric și termic asupra fotosintezei și a conținutului de pigmenți al plantelor de *Raphanus sativus* – Agromalim, 13 septembrie 2025, Arad, România.
19. Simina Moroșan-Toderici, Paola Florescu, Flavia Borteș – *Joined by wine – designing future*, Agromalim, 13 septembrie 2025, Arad, România.