

Listă de publicații

Prof. Dr. Habil. Lucian Copolovici

a) Articole cotate în reviste WOS

1. **Lucian Copolovici**, Ioan Bâldea, Kinetic Determination of Aromatic Amines at Millimolar Level, *Anal. & Bioanal. Chem.*, **2002**, 374, 13-16 (I.F. = 4.3).
2. Simona Bungău, Ioan Bâldea, **Lucian Copolovici**, Determinarea acidului ascorbic din fructe folosind o metodă de tip Landolt (Ascorbic acid determination from fruits using Landolt type methods), (*in Romanian*), *Rev. Chim.*, **2002**, 54(3), 213-216 (I.F. = 0).
3. Claudia Muresanu, **Lucian Copolovici**, Kinetic Method for Acetylsalicylic Acid Determination Based on its Inhibitory Effect Upon Catalytic Decomposition of H₂O₂, *Anal. & Bioanal. Chem.*, **2004**, 318, 1868-1872 (I.F. = 4.3).
4. Simona Bungău, **Lucian Copolovici**, Ioan Bâldea, Ildiko Szabo, Determinarea metioninei printr-o metodă de oxidare cu permanganat din produse farmaceutice, (Methionine Determination Using an Oxidation Method from Drugs), (*in Romanian*), *Rev. Chim.*, **2004**, 55(11), 886-888 (I.F. = 0).
5. Simona Bungău, **Lucian Copolovici**, Ioan Bâldea, Vasilica Merca, Determinarea piridoxinei din produse farmaceutice utilizând două metode cinetice, (Pyridoxine Determination Using Two Kinetic Methods from Drugs), (*in Romanian*), *Rev. Chim.*, **2004**, 55(12), 945-948 (I.F. = 1.755).
6. **Lucian Copolovici**, Simona Bungău, Felicia Drăgan, Determination of Acetylsalicylic Acid from Drugs Using Kinetic Methods, *Rev. Chim.*, **2005**, 56(4), 374-377 (I.F. = 0).
7. Claudia Muresanu, **Lucian Copolovici**, and Florina Pogacean, Kinetic Method for *para*-nitrophenole Determination Based on an Enzyme Catalysed Reaction, *Central European Journal Chemistry*, **2005**, 3(4), 592-604 (I.F. = 1.46).
8. **Lucian Copolovici**, Iolanda Filella, Joan Llusà, Ülo Niinemets, Josep Peñuelas, The capacity for thermal protection of photosynthetic electron transport varies for different monoterpenes in *Quercus ilex*, *Plant Physiology*, **2005**, 139, 485-496 (I.F. = 7.4).
9. **Lucian Copolovici**, Ülo Niinemets, Temperature dependencies of Henry's law constants and octanol/water partition coefficients for key plant volatile monoterpenoids, *Chemosphere*, **2005**, 61, 1390-1400 (I.F. = 8.8).

10. **Lucian Copolovici**, Ülo Niinemets, Effects of low-molecular organic compounds, pH and salt content on partitioning equilibrium of monoterpene at water -air and water- lipid phases interfaces, *Chemosphere*, **2007**, 69, 621-629 (I.F. = 8.8).
11. **Lucian Copolovici**, Cristian Silvestru, Vito Lippolis, Richard A. Varga, Iodidomesityltellurium(II) iodido-trimesitylditellurium(II)(Te-Te), *Acta Crystallogr.*, **2007**, *C63*, o528-o529, (I.F. = 0.8).
12. **Lucian Copolovici**, Richard A. Varga, Vito Lippolis, Cristian Silvestru, Bis(tetraphenyl-imido-diphosphine acid) tri-iodide, *Acta Crystallogr.*, **2007**, *E63*, o4206-o4207 (I.F. = 0.8).
13. **Lucian Copolovici**, Vilma Bojan, Cristian Silvestru, Richard A. Varga, 1-Bromo-2,6-bis(*N*-methylpiperazinylmethyl)benzene, *Acta Crystallogr.*, **2007**, *E63*, o4323 (I.F. = 0.8).
14. **Lucian Copolovici**, Vilma Bojan, Cristian Silvestru, Richard A. Varga, 1-Bromo-2,6-bis(*N*-morpholinylmethyl)benzene, *Acta Crystallogr.*, **2007**, *E63*, o4570 (I.F. = 0.8).
15. **Lucian Copolovici**, Ioan Baldea, Kinetics of the Phenol Oxidation by Permanganate in Acidic Media, *Rev. Roum. Chem*, **2007**, *52*, 1045 – 1050 (I.F. = 0.5).
16. Steffen Noe, **Lucian Copolovici**, Ülo Niinemets, Evi Vaino, Storage of limonene in leaves is positively correlated to the leaves lipid content, *Plant Biology*, **2008**, 10, 129 - 137 (I.F. = 3.9).
17. Bahtijor Rasulov, **Lucian Copolovici**, Agu Laisk, Ulo Niinemets, Postillumination isoprene emission: in vivo measurements of dimethylallyldiphosphate pool size and isoprene synthase kinetics in aspen leaves, *Plant Physiology*, **2009**, *149*, 1609-1618 (I.F. = 7.4).
18. Ivan Kourtchev, **Lucian Copolovici**, Magda Claeys, Willy Maenhaut, Characterization of atmospheric aerosols at a forested site in Central Europe, *Environmental Science & Technology*, **2009**, *43*, 4665-4671 (I.F. = 11.4).
19. **Lucian Copolovici**, Astrid Kannaste, Ulo Niinemets, Gas chromatography-mass spectrometry method for determination of monoterpene and sesquiterpene emissions from stressed plants, *Studia Univ. Babes-Bolyai, Chem.*, **2009**, 54, 329-333 (I.F. = 0.3).
20. **Lucian Copolovici**, Ulo Niinemets, Flooding induced emissions of volatile signalling compounds in three tree species with differing waterlogging tolerance, *Plant Cell and Environment*, **2010**, *33*, 1582-1594 (I.F. = 7.3).
21. Merje Toome, Pille Randjärv, **Lucian Copolovici**, Ülo Niinemets, Katrin Heinsoo, Anne Luik, Steffen M. Noe, Leaf rust induced volatile organic compounds signalling in willow during the infection, *Planta*, **2010**, *232*(1), 235-243 (I.F. = 4.3).

22. **Lucian Copolovici**, Ioan Baldea, Kinetics of the phenol oxidation by permanganate in acidic media. The intermediate oxidized species 4,4'-biphenoquinone evolution, *Studia Univ. Babes-Bolyai, Chem.*, **2010**, 55(2), 155-167 (I.F. = 0.3).
23. **Lucian Copolovici**, Ioan Baldea, Alexandra Csavdari, Determination of aromatic amines and phenols by kinetic methods based on Landolt effect, *Studia Univ. Babes-Bolyai, Chem.*, **2010**, 55(1), 103-111 (I.F. = 0.3).
24. Ulo Niinemets, **Lucian Copolovici**, Katja Huve, High within-canopy variation in isoprene emission potentials in temperate trees: implications for predicting canopy-scale isoprene fluxes, *Journal of Geophysical Research – Biogeosciences*, **2010**, 115, G04029 (I.F. = 4.4).
25. **Lucian Copolovici**, Astrid Kannaste, Triinu Remmel, Vivian Vislap, Ulo Niinemets, Volatile emissions from *Alnus glutinosa* induced by herbivory are quantitatively related to the extent of damage, *Journal of Chemical Ecology*, **2011**, 37, 18-28 (I.F. = 2.3).
26. Steffen M. Noe, Veljo Kimmel, Katja Huve, **Lucian Copolovici**, Miguel Portillo-Estrada, Ulle Puttsepp, Kalev Jagiste, Ulo Niinemets, Lukas Hortnagl, Georg Wohlfahrt, Ecosystem-scale biosphere–atmosphere interactions of a hemiboreal mixed forest stand at Jarvselja, Estonia, *Forest Ecology and Management*, **2011**, 262, 71-81 (I.F. = 3.7).
27. Ülo Niinemets, Uwe Kuhn, Peter C. Harley, Michael Staudt, Almut Arneth, Alessandro Cescatti, Paolo Ciccioli, **Lucian Copolovici**, Chris Geron, Alex Guenther, Jürgen Kesselmeier, Manuel T. Ler dau, Russell K. Monson, Josep Peñuelas, Estimation of isoprenoid emission factors from enclosure studies: measurements, data processing, quality and standardized measurement protocols, *Biogeosciences*, **2011**, 8, 2209-2246 (I.F. = 4.9).
28. Z. Sun, **Lucian Copolovici**, Ulo Niinemets, Can the capacity for isoprene emission acclimate to environmental modifications during autumn senescence in temperate deciduous tree species *Populus tremula*?, *Journal of Plant Research*, **2012**, 125, 263-274 (I.F. = 2.8).
29. **Lucian Copolovici**, Astrid Kannaste, Leila Pazouki, Ulo Niinemets, Emissions of green leaf volatiles and terpenoids from *Solanum lycopersicum* are quantitatively related to the severity of cold and heat shock treatments, *Journal of Plant Physiology*, **2012**, 169, 664-672 (I.F. = 4.3).
30. Steffen Noe, Katja Huve, Ulo Niinemets, **Lucian Copolovici** Seasonal variation in vertical volatile compounds air concentrations within a remote hemiboreal mixed forest, *Atmospheric Chemistry and Physics*, **2012**, 12, 3909–3926 (I.F. = 6.3).

31. Zhihong Sun, Ülo Niinemets, Katja Hüve, Steffen M. Noe, Bahtijor Rasulov, **Lucian Copolovici**, Vivian Vislap Enhanced isoprene emission capacity and altered light responsiveness in aspen grown under elevated atmospheric CO₂ concentration, *Global Change Biology*, **2012**, 18, 3423–3440 (I.F. = 11.6).
32. Eve Veromann, Merje Toome, Astrid Kännaste, Riina Kaasik, **Lucian Copolovici**, Jaak Flink, Gabriella Kovács, Lea Narits, Anne Luik, Ülo Niinemets, Effects of nitrogen fertilization on insect pests, their parasitoids, plant diseases and volatile organic compounds in *Brassica napus*, *Crop Protection*, **2013**, 43, 79-88 (I.F. = 2.8).
33. Ocsana Opriş, Florina Copaciu, Maria Loredana Soran, Dumitru Ristoiu, Ülo Niinemets, **Lucian Copolovici**, Influence of nine antibiotics on key secondary metabolites and physiological characteristics in *Triticum aestivum*: leaf volatiles as a promising new tool to assess toxicity, *Ecotoxicology and Environmental Safety*, **2013**, 87, 70–79 (I.F. = 6.8).
34. Florina Copaciu, Ocsana Opriş, Virginia Coman, Dumitru Ristoiu, Ülo Niinemets, **Lucian Copolovici**, Diffuse water pollution by anthraquinone and azo dyes in environment importantly alters foliage volatiles, carotenoids and physiology in wheat (*Triticum aestivum*), *Water Air and Soil Pollution*, **2013**, 224, 1478 (I.F. = 2.9).
35. Astrid Kännaste, **Lucian Copolovici**, Leila Pazouki, Marina Suhhorutšenko, Ülo Niinemets, Highly variable chemical signatures over short spatial distances among Scots pine (*Pinus sylvestris*) populations, *Tree Physiology*, **2013**, 33, 374-387 (I.F. = 4).
36. Magdalena Tomás, Jaume Flexas, **Lucian Copolovici**, Jeroni Galmés, Lea Hallik, Hipólito Medrano, Miquel Ribas-Carbó, Tiina Tosens, Vivian Vislap, Ülo Niinemets, Importance of leaf anatomy in determining mesophyll diffusion conductance to CO₂ across species: quantitative limitations and scaling up by models, *Journal of Experimental Botany*, **2013**, 64, 2269-2281 (I.F. = 6.9).
37. Emanuele Pallozzi, Tsonko Tsonev, Giovanni Marino, **Lucian Copolovici**, Ülo Niinemets, Francesco Loreto, Mauro Centritto, Isoprenoid emissions, photosynthesis and mesophyll diffusion conductance in response to blue light, *Environmental and Experimental Botany*, **2013**, 95, 50-58 (I.F. = 5.7).
38. Ülo Niinemets, Astrid Kännaste, **Lucian Copolovici**, Quantitative patterns between plant volatile emissions induced by biotic stresses and the degree of damage, *Frontiers in Plant Science*, **2013**, 4, 262. doi: 10.3389/fpls.2013.00262 (I.F. = 5.6).

39. **Lucian Copolovici**, Astrid Kännaste, Triinu Rimmel, Ülo Niinemets, Volatile organic compound emissions from *Alnus glutinosa* under interacting drought and herbivory stresses, *Environmental and Experimental Botany*, **2014**, 100, 55. Doi: 10.1016/j.envexpbot.2013.12.011 (I.F. = 5.7).
40. Salme Timmusk, Islam Abd El Daim, **Lucian Copolovici**, Triin Tanilas, Astrid Kännaste, Lawrence Behers, Eviatar Nevo, Gulaim Seisenbaeva, Elna Stenström, Ülo Niinemets, Drought-tolerance of wheat improved by soil bacteria from harsh environments: enhanced biomass production and reduced emissions of stress volatiles, *PLOS One*, **2014**, 9, e96086 (I.F. = 3.7).
41. Maria-Loredana Soran, Manuela Stan, Ülo Niinemets, **Lucian Copolovici**, Influence of microwave frequency electromagnetic radiation on terpene emission and content in aromatic plants, *Journal of Plant Physiology*, **2014**, 171, 1436-1443 (I.F. = 3.7).
42. **Lucian Copolovici**, Fred Väärtnõu, Miguel Portillo Estrada, Ülo Niinemets, Oak powdery mildew (*Erysiphe alphitoides*) induced volatile emissions scale with the degree of infection in *Quercus robur*, *Tree Physiology*, **2014**, 34, 1399-1410 (I.F. = 4).
43. Jeroni Galmes, M. V. Kapralov, **Lucian O. Copolovici**, C. Hermida-Carrera, Ulo Niinemets, Temperature responses of the Rubisco maximum carboxylase activity across domains of life: phylogenetic signals, tradeoffs, and importance for carbon gain, *Photosynthesis Research*, **2015**, 123, 183-201 (I.F. = 3.7).
44. Cecilia Sirghie, Mihaela Dochia, Ioan Vifor Istoc, Dorina Chambre and **Lucian Copolovici**, A comparison of a new method mediated by molybdenum complex with an enzymatic method for bleaching flax fibers, *Journal of Natural Fibers*, **2015**, 12, 378-387 (I.F. = 3.5).
45. Miguel Portillo-Estrada, **Lucian Copolovici**, Ulo Niinemets, Bias in leaf dry mass estimation after oven-drying isoprenoid storing leaves, *Trees*, **2015**, 29, 1805-1816 (I.F. = 2.3).
46. Cecilia Sirghie, Ioan Vifor Istoc, Simona Bungău, **Lucian Copolovici**, The influence of ultrasound field on laccase degumming process, *Cellulose Chemistry and Technology*, **2015**, 49, 901-904 (I.F. = 1.3).
47. **Lucian Copolovici**, Ulo Niinemets, Temperature dependencies of Henry's law constants for different plant sesquiterpenes, *Chemosphere*, **2015**, 138, 751-757 (I.F. = 8.8).
48. Florina Copaciu, Ocsana Opreș, Ülo Niinemets, **Lucian Copolovici**, Toxic influence of key organic soil pollutants on the total flavonoid content in wheat leaves, *Water Air and Soil Pollution*, **2016**, 227, 196 (I.F. = 2.9).

49. Kaia Kask, Astrid Kännaste, Eero Talts, **Lucian Copolovici**, Ülo Niinemets, How specialized volatiles respond to chronic, and short-term physiological and shock heat stress in *Brassica nigra*, *Plant Cell and Environment*, **2016**, 39, 2027-2042 (I.F. = 7.3).
50. Ildikó Lung, Maria-Loredana Soran, Ocsana Opriş, Mihail Radu Cătălin Truşcă, Ülo Niinemets, **Lucian Copolovici**, Induction of stress volatiles and changes in essential oil content and composition upon microwave exposure in the aromatic plant *Ocimum basilicum*, *Science of the Total Environment*, **2016**, 569, 489-495 (I.F. = 9.8).
51. Pasi Yli-Pirilä, **Lucian Copolovici**, Astrid Kannaste, Steffen Noe, James Blande, Santtu Mikkonen, Tero Klemola, Juha Pulkkinen, Annele Virtanen, Ari Laaksonen, Jorma Joutsensaari, Ülo Niinemets, Jarmo Holopainen, Herbivory by an outbreaking moth increases emissions of biogenic volatiles and leads to enhanced secondary organic aerosol formation capacity, *Environmental Science & Technology*, **2016**, 50, 11501-11510 (I.F. = 11.4).
52. Daniel Tomescu, Radu Şumălan, **Lucian Copolovici**, Dana Copolovici, The influence of soil salinity on volatile organic compounds emission and photosynthetic parameters of different local varieties of *Solanum lycopersicum* L., *Open Life Sciences*, **2017**, 12, 135-142 (I.F. = 2.2).
53. **Lucian Copolovici**, Andreea Pag, Astrid Kännaste, Adina Bodescu, Daniel Tomescu, Dana Copolovici, Maria-Loredana Soran, Ülo Niinemets, Disproportionate photosynthetic decline and inverse relationship between constitutive and induced volatile emissions upon feeding of *Quercus robur* leaves by large larvae of gypsy moth (*Lymantria dispar*) *Environmental and Experimental Botany*, **2017**, 138, 184-192 (I.F. = 5.7).
54. Dana Copolovici, Simona Bungau, Rica Boscencu, Delia Tit, **Lucian Copolovici**, The Fatty Acids Composition and Antioxidant Activity of Walnut Cold Press Oil, *Revista de chimie*, **2017**, 68, 507-509 (I.F. = 0).
55. Adriana Nita, Delia Tit, **Lucian Copolovici**, Carmen Melinte, Dana Copolovici, Simona Bungau, ¹H-NMR study of famptodine and niztidine complexes with β-cyclodextrin, *Revista de chimie*, **2017**, 68, 1170-1173 (I.F. = 0).
56. **Lucian Copolovici**, Daniela Timiş, Monica Tăşchină, Simona Bungău, Gabriela Cioca, Dana Copolovici, Diclofenac influence on photosynthetic parameters and volatile organic compounds emission from *Phaseolus vulgaris* L. plants, *Revista de chimie*, **2017**, 68, 2076-2078 (I.F. = 0).

57. Monica Tășchină, Dana Maria Copolovici, Simona Bungău, Andreea Lupitu, **Lucian Copolovici**, Ciprian Iovan, The influence of residual acetaminophen on beans (*Phaseolus vulgaris* L.) plants secondary metabolites, *Farmacia*, **2017**, 65, 709-713 (I.F. = 1.6).
58. Simona Bungau, Delia Tit, Ciprian Iovan, **Lucian Copolovici**, Rica Boscencu, Gabriela Cioca, Dana Copolovici, New method for simultaneous determination of ascorbic and acetylsalicylic acids in effervescent tablets, *Revista de chimie*, **2017**, 68, 2495-2498 (I.F. = 0).
59. **Lucian Copolovici**, Adelina Ban, Ioana Faur, Dana Copolovici, The influence of simulated acidic rain on plants volatile organic compounds emission and photosynthetic parameters, *AgroLife Scientific Journal*, **2017**, 6, 73-76 (I.F. = 0.5).
60. Astrid Kannaste, Lauri Laanisto, Leila Pazouki, **Lucian Copolovici**, Marina Suhorutšenko, Muhammad Azeem, Lauri Toom, Anna-Karin Borg-Karlson, Ülo Niinemets, Diterpenoid fingerprints in pine foliage across an environmental and chemotypic matrix: isoabienol content is a key trait differentiating chemotypes, *Phytochemistry*, **2018**, 147, 80-88 (I.F. = 3.8)
61. Adriana Nita, Delia Tit, **Lucian Copolovici**, Carmen Melinte, Dana Copolovici, Simona Bungau, Ciprian Iovan, HPLC-UV method for determination of famotidine from pharmaceutical products, *Revista de chimie*, **2018**, 69, 297-299 (I.F. = 0).
62. Ulo Niinemets, Leon Bravo, **Lucian Copolovici**, Changes in photosynthetic rate and stress volatile emissions through desiccation-rehydration cycles in desiccation tolerant epiphytic filmy ferns (Hymenophyllaceae), *Plant Cell and Environment*, **2018**, 41, 1605-1617 (I.F. = 7.3).
63. Cristian Moisa, **Lucian Copolovici**, Simona Bungău, Georgeta Pop, Ilinca Imbrea, Andreea Lupitu, Sebastian Nemeth, Dana Copolovici, Wastes resulting from thyme distillation - bio-sources of antioxidants and phenolic compounds with biological active principles, *Farmacia*, **2018**, 66, 289-295 (I.F. = 1.6).
64. 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 (I.F. = 0).
65. Diana Nicoleta Raba, Dorina Rodica Chambre, Dana-Maria Copolovici, Camelia Moldovan, **Lucian Octav Copolovici**, The influence of high-temperature heating on composition and thermo-oxidative stability of the oil extracted from Arabica coffee beans, *Plos one*, **2018**, 13, e0200314 (I.F. = 3.7).

66. Salme Timmusk, Dana Copolovici, **Lucian Copolovici**, Tiiu Teder, Eviatar Nevo, Lawrence Behers, *Paenibacillus polymyxa* biofilm polysaccharides antagonise *Fusarium graminearum*, *Scientific reports-Nature*, **2019**, 9, 662 (I.F. = 4.6).
67. Cristian Moisa, Andreea Lupitu, Georgeta Pop, Dorina Chambre, **Lucian Copolovici**, Gabriela Cioca, Simona Bungau, Dana Maria Copolovici, Variation of the Chemical Composition of *Thymus vulgaris* Essential Oils by Phenological Stages, *Revista de chimie*, **2019**, 70, 633-637 (I.F. = 0).
68. Ocsana Opriș, Alexandra Ciorîță, Maria-Loredana Soran, Ildikó Lung, Dana Copolovici, **Lucian Copolovici**, Evaluation of the photosynthetic parameters, emission of volatile organic compounds and ultrastructure of common green leafy vegetables after exposure to non-steroidal anti-inflammatory drugs (NSAIDs), *Ecotoxicology*, **2019**, 28, 631-642 (I.F. = 2.7).
69. Vito Lippolis, Massimiliano Arca, Maria Carla Aragoni, Francesco Isaia, **Lucian Copolovici**, Cristian Silvestru, Enzo Cadoni, Alexander Blake, Alexandra Pop, Richard Varga, Jeremiah Tidey, Sergio Murgia, Reaction of imidazoline-2-selone derivatives with mesityltellurenyl iodide: a unique example of a 3c-4e Se→Te←Se three-body system embedding a tellurenyl cation, *New Journal of Chemistry*, **2019**, 43, 11821-11831 (I.F. = 3.3).
70. Adriana Csavdari, Andreea Lupitu, Simona Bungău, Manuel Gitea, Daniela Gitea, Delia Mirela Tit, **Lucian Copolovici**, Sebastian Nemeth, Dana Copolovici, Fatty acids composition and antioxidant activity of almond oils obtained from Romanian hybrids, *Farmacina*, **2019**, 67, 882-886 (I.F. = 1.6).
71. Adina Stegarescu, Ildiko Lung, Cristian Leoștean, Irina Kacso, Ocsana Opriș, Mihaela Diana Lazăr, **Lucian Copolovici**, Simona Guțoiu, Manuela Stan, Adriana Popa, Ovidiu Pană, Alin Sebastian Porav, Maria-Loredana Soran, Characterization and test of MnO₂ nanoparticles as catalyst in biofuel production from grape residue and seeds oil, *Waste Biomass Valorization*, **2020**, 11, 5003 (I.F. = 3.2).
72. Ocsana Opriș, Maria-Loredana Soran, Ildikó Lung, Alexandra Ciorîță, **Lucian Copolovici**, Investigating the effects of non-steroidal anti-inflammatory drugs (NSAIDs) on the composition and ultrastructure of green leafy vegetables with important nutritional values, *Plant Physiology and Biochemistry*, **2020**, 151, 342-351 (I.F. = 6.5).
73. Renata Maria Sumalan, Sorin Ioan Ciulca, Mariana Atena Poiana, Diana Moigradean, Isidora Radulov, Monica Negrea, Manuela Crisan, **Lucian Copolovici**, Radu Liviu Sumalan, The

antioxidant profile evaluation of some tomato landraces with soil salinity tolerance correlated with high nutraceutical and functional value, *Agronomy*, **2020**, 10, 500 (I.F. = 3.7).

74. Roxana Cojocariu, Ioana Balmus, Radu Lefter, Luminita Hritcu, Dana Ababei, Alin Ciobica, Simona Copaci, **Lucian Copolovici**, Dana Copolovici, Stefana Jurcoane, Beneficial effects of *Camelina sativa* oil on behavioural (memory, anxiety, depression and social-related) manifestations and oxidative stress parameters in a mice model of irritable bowel syndrome, *Romanian Biotechnology Letter*, **2020**, 25(3), 1532 (I.F. = 0).

75. Cristina-Ramona Metzner Ungureanu, Andreea Ioana Lupitu, Cristian Moisa, Adrian Rivis, **Lucian Copolovici**, Mariana-Atena Poiana, Investigation on high-value bioactive compounds and antioxidant properties of blackberries and their fractions obtained by home-scale juice processing, *Sustainability*, **2020**, 12, 5681 (I.F. = 3.9).

76. Ionel Popescu-Mitroi, Dana Gina Radu, Claudia Mureşan, Andreea Lupitu, Dana Copolovici and **Lucian Copolovici**, Monitoring the content of biogenic amines in red wines subjected to malolactic fermentation, *Bulgarian Journal of Agricultural Science*, **2020**, 26, 1076–1082. (I.F. = 0.4).

77. Adriana Criste, **Lucian Copolovici**, Dana Copolovici, Melinda Kovacs, Robert H. Madden, Nicolae Corcionivoschi, Ozan Gundogdu, Mihaela Berchez, Adriana Cristina Urcan, Determination of changes in the microbial and chemical composition of Taga cheese during maturation, *Plos One*, **2020**, 15(12), e0242824 (I.F. = 3.7)

78. Dorina Rodica Chambre, Cristian Moisa, Andreea Lupitu, **Lucian Copolovici**, Georgeta Pop, Dana-Maria Copolovici, Chemical composition, antioxidant capacity, and thermal behavior of *Satureja hortensis* essential oil, *Scientific reports*, **2020**, 10, 21322 (I.F. = 4.6).

79. Cojocariu Roxana – Oana, Ioana-Miruna Balmuş, Radu Lefter, Luminita Hritcu, Daniela Ababei, Alin Ciobica, Simona Copaci, Silvia Elena Lavinia Mot, **Lucian Octav Copolovici**, Dana-Maria Copolovici, Stefana Jurcoane, *Camelina sativa* Methanolic and Ethanolic Extract Potential in Alleviating Oxidative Stress, Memory Deficits, and Affective Impairments in Stress Exposure-Based Irritable Bowel Syndrome Mouse Models, *Oxidative Medicine and Cellular Longevity*, **2020**, 9510305 (I.F. = 0).

80. **Lucian Copolovici**, Corina Popitanu, Dana Copolovici, Volatile organic compound emission and residual substances from plants in light of globally increasing CO₂ level, *Current Opinion in Environmental Science & Health*, **2020**, 19, 100216 (I.F. = 8.1).

81. Ocsana Opriș, Maria-Loredana Soran, Ildikó Lung, Alexandra Ciorîță, **Lucian Copolovici**, Biotransformation of Non-steroidal Anti-inflammatory Drugs Induces Ultrastructural Modifications in Green Leafy Vegetables, *Journal of Soil Science and Plant Nutrition*, **2021**, 21, 1408 (I.F. = 3.9).
82. Oana Emilia Constantin, Adelina Ștefania Milea, Carmen Bolea, Liliana Mihalcea, Elena Enachi, Dana Maria Copolovici, **Lucian Copolovici**, Florentina Munteanu, Gabriela Elena Bahrim and Gabriela Râpeanu, Onion (*Allium cepa* L.) peel extracts characterization by conventional and modern methods, *International Journal of Food Engineering*, **2021**, 17, 485 (I.F. = 1.6).
83. Corina Popitanu, Gabriela Cioca, **Lucian Copolovici**, Dennis Iosif, Florentina-Daniela Munteanu, Dana Copolovici, The seasonality impact of the BTEX pollution on the atmosphere of Arad City, Romania, *International Journal of Environmental Research and Public Health*, **2021**, 18, 4858 (I.F. = 0).
84. Adriana Cecilia Csakvari, Cristian Moisa, Dana G. Radu, Leonard M. Olariu, Andreea I. Lupitu, Anca Ofelia Panda, Georgeta Pop, Dorina Chambre, Vlad Socoliuc, **Lucian Copolovici** and Dana Maria Copolovici, Green Synthesis, Characterization, and Antibacterial Properties of Silver Nanoparticles Obtained by Using Diverse Varieties of *Cannabis sativa* Leaf Extracts, *Molecules*, **2021**, 26, 4041, <https://doi.org/10.3390/molecules26134041> (I.F. = 4.6).
85. Corina Popitanu, Andreea Lupitu, **Lucian Copolovici**, Simona Bungău, Ülo Niinemets and Dana Maria Copolovici, Induced Volatile Emissions, Photosynthetic Characteristics, and Pigment Content in *Juglans regia* Leaves Infected with the Erineum-Forming Mite *Aceria erineae*. *Forests* **2021**, 12, 920, <https://doi.org/10.3390/f12070920>, (I.F. = 2.9).
86. Mihaela Bogdan, Simona Bungau, Delia Mirela Tit, Dana Carmen Zaha, Aurelia Cristina Nechifor, Tapan Behl, Dorina Chambre, Andreea Ioana Lupitu, **Lucian Copolovici**, Dana Maria Copolovici, Chemical profile, antioxidant capacity and antimicrobial activity of essential oils extracted from three different varieties (Moldoveanca 4, Vis Magic and Alba 7) of *Lavandula angustifolia*, *Molecules*, **2021**, 26, 4381, <https://doi.org/10.3390/molecules26144381> (I.F. = 4.6).
87. Ocsana Opriș, Florina Copaciu, Maria-Loredana Soran, Ulo Niinemets, **Lucian Copolovici**, Content of carotenoids, violaxanthin, and neoxanthin, in leaves of *Triticum aestivum* exposed to persistent environmental pollutants, *Molecules*, **2021**, 26, 4448. <https://doi.org/10.3390/molecules26154448> (I.F. = 4.6).

88. Rodica Beicu, Ersilia Alexa, Diana Obistioiu, 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 (I.F. = 4.5).
89. **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 (I.F. = 2.7).
90. Cristina Laura Popa, Andreea Lupitu, Maria Daniela Mot, **Lucian Copolovici**, Cristian Moisa, Dana Maria Copolovici, Chemical and Biochemical Characterization of Essential Oils and Their Corresponding Hydrolats from Six Species of the *Lamiaceae* Family, *Plants*, **2021**, 10, 2489 (I.F. = 4.5).
91. Andreea Lupitu, Cristian Moisa, Simona Gavrilas, Mihaela Dochia, Dorina Chambre, Virgiliu Ciutină, Dana Maria Copolovici, **Lucian Copolovici**, The influence of elevated CO₂ on volatile emissions, photosynthetic characteristics, and pigment content in *Brassicaceae* plants, *Plants*, **2022**, 11, 973 (I.F. = 4.5).
92. Ioana-Miruna Balmus, Dana Copolovici, **Lucian Copolovici**, Alin Ciobica, Dragos Lucian Gorgan, Biomolecules from plant wastes potentially relevant in the management of irritable bowel syndrome and co-occurring symptomatology, *Molecules*, **2022**, 27, 2403 (I.F. = 4.6).
93. Maria-Daniela Mot, Simona Gavrilas, Andreea I. Lupitu, Cristian Moisa, Dorina Chambre, Delia Mirela Tit, Mihaela Alexandra Bogdan, Adina-Maria Bodescu, **Lucian Copolovici**, Dana Maria Copolovici, Simona Gabriela Bungau, *Salvia officinalis* L. essential oil: characterization, antioxidant properties, and the effects of aromatherapy in adult patients, *Antioxidants*, **2022**, 11, 808 (I.F. = 7).
94. Loredana F. Leopold, Cristina Coman, Doina Clapa, Ioana Oprea, Alexandra Toma, Ștefania D. Iancu, Lucian Barbu-Tudoran, Maria Suci, Alexandra Ciorîță, Adrian I Cadiș, Laura Elena Mureșan, Ioana Mihaela Perhaița, **Lucian Copolovici**, Dana M Copolovici, Florina Copaciu, Nicolae Leopold, Dan C Vodnar, Vasile Coman, The effect of 100–200 nm ZnO and TiO₂ nanoparticles on the *in vitro*-grown soybean plants, *Colloids and Surfaces B: Biointerfaces*, **2022**, (I.F. = 5.8).

95. Alexandru Bogdan, Dorina Chambre, Dana Maria Copolovici, Tudor Bungau, Constantin C. Bungau, **Lucian Copolovici**, Heritage Building Preservation in the Process of Sustainable Urban Development: The Case of Brasov Medieval City, Romania, *Sustainability*, **2022**, 14, 6959 (I.F. = 3.9).
96. Monica Taschina, Cristian Moisa, Andreea Lupitu, Dana Maria Copolovici and **Lucian Copolovici**, Influence of Nonsteroidal Anti-Inflammatory Drugs (NSAIDs) on Photosynthetic Parameters and Secondary Metabolites of Plants from Fabaceae Family, *Applied Sciences*, **2022**, 12, 6326 (I.F. = 2.7).
97. **Lucian Copolovici**, Dana Maria Copolovici, Cristian Moisa, Andreea Lupitu, Antagonist Temperature Variation Affects the Photosynthetic Parameters and Secondary Metabolites of *Ocimum basilicum* L. and *Salvia officinalis* L. *Plants*, **2022**, 11, 1806 (I.F. = 4.5).
98. Adriana Dalila Criste, Adriana Cristina Urcan, Cristian Ovidiu Coroian, **Lucian Copolovici**, Dana Maria Copolovici, Ramona Flavia Burtescu, Neli Kinga Oláh, Plant-Based Beverages from Germinated and Ungerminated Seeds, as a Source of Probiotics, and Bioactive Compounds with Health Benefits-Part 1: Legumes, *Agriculture*, **2023**, 3(6), 1185 (I.F. = 3.6).
99. Andreea Gostaviceanu, Simona Gavrilas, **Lucian Copolovici**, Dana Maria Copolovici, Membrane-Active Peptides and Their Potential Biomedical Application, *Pharmaceutics*, **2023**, 15, 2091 (I.F. = 5.4)
100. Andreea Lupitu, Cristian Moisa, Flavia Bortes, 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).
101. Andreea Tepeneu, Andreea Lupitu, Teodora Surdea-Blaga, Cristian Moisa, Dorina Chambre, Dana Copolovici and **Lucian Copolovici**, Variability of air pollutants in the indoor air of a general store, *Applied Sciences*, **2023**, 13(23), 12572 (I.F. = 2.7).
102. Ana Maria Tolos (Vasii), Cristian Moisa, Mihaela Dochia, Carmen, Popa, **Lucian Copolovici**, Dana Maria Copolovici, Anticancer potential of antimicrobial peptides: Focus on buforins, *Polymers*, **2024**, 16(6), 728; <https://doi.org/10.3390/polym16060728> (I.F. = 5.0).
103. Andreea Tepeneu, Andreea Lupitu, Teodora Surdea-Blaga, Cristian Moisa, Dorina Chambre, Dana Copolovici and **Lucian Copolovici**, The Variability of Indoor Air Pollutants in

The Office and Their Impact on the Workers' Health, *Polish Journal of Environmental Studies*, **2024**, in press (I.F. = 1.8).

104. Alexandru Bogdan, Dorina Chambre, Lorena Aliana Cioban, Dana Maria Copolovici, **Lucian Copolovici**, Pollutants and weathering compounds on medieval bricks of historic buildings from Brasov (Transylvania, Romania), *Urban Climate*, **2024**, 55, 101930 (I.F. = 6.4).

105. Andreea Gostaviceanu, Simona Gavrilas, **Lucian Copolovici**, Dana Maria Copolovici, Graphene-Oxide Peptide-Containing Materials for Biomedical Applications, *International Journal of Molecular Science*, **2024**, 25, 10174 (I.F. = 4.9).

Nota: I.F. = Factor de Impact in accord cu ISI Thompson Citation Report 2023

b) Articole proceedings în reviste cotate WOS

1. Andreea I. Lupitu, Cristian Moisa, Daniel Tomescu, Georgeta Pop, Dana Maria Copolovici, **Lucian Copolovici**, Adrian Rivis, Phenolic Compounds and Vitamins Composition in Medicinal Plants with Potential Anti-Bloating Properties, *Proceedings of The International Conference on Life Sciences*, **2018**, 602-608.

2. Georgeta Pop, Ilinca Imbrea Merima, Dana Copolovici, Monica Licker, Corina Danciu, Cristina Dehelean, Alexandru Cucui-Cozma, Daniela Amzar, **Lucian Copolovici**, Antibacterial Activity and Chemical Composition of *Origanum majorana* L. Essential Oil from the Western Part of Romania, *Proceedings of The International Conference on Life Sciences*, **2018**, 865-670.

3. 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.*, *Sciendo*, **2018**, 1(1), 555 - 561.

4. Roxana M. Beiu, Virgil-Florin Duma, Corina A. Mnerie, Andrea-Claudia Beiu, Mihaela A. Dochia, Lucian Copolovici, George Dobre, Adrian Bradu, Adrian Podoleanu, Optical coherence tomography versus microscopy for the study of Aloe Vera leaves, *Proc. SPIE 12138, Optics, Photonics and Digital Technologies for Imaging Applications VII*, 121380A (17 May 2022); doi: 10.1117/12.2620766

c) Articole indexate BDI

1. Alexandra Rustoiu-Csavdari, Ioan Baldea, **Lucian Copolovici**, Dana Mihai, The Hydrogen Peroxide- Iodide Reaction in Kinetic Chemical Analysis. An attempt for multicomponent calibration, *Studia Univ. Babes-Bolyai, Chem.*, **2000**, 45, 119-138.
2. Simona Bungău, Ioan Bâldea, **Lucian Copolovici**, Determination of some aminoacids from pharmaceutical products by using a kinetic method based on a clock Landolt-type system of redox reactions, *Studia Univ. Babes-Bolyai, Chem.*, **2002**, 47, 75-84.
3. Simona Bungău, **Lucian Copolovici**, Gavril Niac and Ioan Baldea, Kinetic Determination of B₁, B₂ and B₆ vitamins, *Studia Univ. Babes-Bolyai, Chem.*, **2002**, 47, 141-148.
4. **Lucian Copolovici**, Claudia Muresanu, and Florina Fagadar, Kinetic Method for Hydroxylamine Determination based on an Enzyme Catalysed Reaction, *Bull. Inst. Polit. Iași*, **2003**, 5, 184-189.
5. **Lucian Copolovici**, Ioan Baldea, Logarithmic Extrapolation Method for Kinetic Determination of Amines Mixtures, *Studia Univ. "Babes-Bolyai", Chemia*, **2003**, 48(2), 85-90.
6. **Lucian Copolovici**, Ioan Baldea, Logarithmic Extrapolation Method for Kinetic Determination, *Annals of West Univ. Timisoara, Ser. Chemistry*, **2003**, 12(3), 1605-1612.
7. Simona Bungau, **Lucian Copolovici**, Ioan Baldea, Vitamin C and Aspirin Kinetic Determination from Pharmaceutical Effervescent Forms without Separation, *Farmacia*, **2004**, 52(1), 83-89.
8. Simona Bungău, **Lucian Copolovici**, Ioan Baldea, Ildiko Szabo, Kinetic Methods for the Determination of Cysteine and Methionine without Initial Separation, *Farmacia*, **2004**, 55(4), 60-66.
9. Laurean Vlase, Ioan Baldea, Simion Leucuta, Liviu Rus and **Lucian Copolovici**, Kinetic study on omeprazole degradation at different pH values by using HPLC, *Studia Univ. "Babes-Bolyai", Chemia*, **2005**, 50(1-2), 169-173.
10. **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, **2014**, 3, 5-7

11. Simona Bungău, Gabriela Vonhaz, Delia M. Țiț, **Lucian Copolovici**, A comparative study of dry and fresh *hibiscus trioni* Herba tinctures, *Biharean Biologist*, **2015**, 9, 55-58.

12. Andreea Pag, Daniel Tomescu, Adina Bodescu, Astrid Kännaste, Ülo Niinemets, **Lucian Copolovici**, The emission of volatile organic compounds from *Quercus robur* plants affected by *Phylloxera quercus* and temperature, *ECOTERRA - Journal of Environmental Research and Protection*, **2015**, 12, 94-99.

13. Daniel Tomescu, Radu Sumalan, Loredana Soran, **Lucian Copolovici**, The influence of soil salinity to chlorophylls and β -carotene contents in *Lycopersicon esculentum* Mill., *Journal of Horticulture, Forestry and Biotechnology*, **2015**, 19, 35-39.

14. **Lucian Copolovici**, Adina Bodescu, Andreea Pag, Astrid Kännaste, Daniel Tomescu, Ülo Niinemets Volatile organic compounds emissions and photosynthetic parameters of *Quercus rubra* under temperature stress, *Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering*, **2015**, 4, 5-8

15. Renata Maria Șumalan, RL Sumalan, S Ciulca, Adriana Ciulca, **Lucian Copolovici**, JC Yvin, Research on sunflower oil quality in the case of *Orobanche cumana* attack, *Research Journal of Agricultural Science*, **2016**, 48, 34-38.

16. Cristian Moisa, **Lucian Copolovici**, Georgeta Pop, Dana Copolovici, Dry and fresh herba of *Satureja Montana L.*: a comparative study regarding chemical composition and antioxidant capacity of volatile oils, *Scientific Papers. Series F., Biotechnology*, **2017**, 21, 349-352.

17. Andreea I. Lupitu, Daniel Tomescu, Claudia Anca Mot, Dana Maria Copolovici, **Lucian Copolovici**, Variation in phenolic content and antioxidant activity of different plant parts of *Primula veris*, *Scientific Papers. Series F., Biotechnology*, **2018**, 22, 50-53.

18. Marius M. Balas, Ramona Lile, **Lucian Copolovici**, Anca Dicu, Kristijan Cincar, Human-Plant Symbiosis by Integrated Roof-Top Greenhouses, *International Workshop Soft Computing Applications SOFA*, **2018**, vol. II, 76-83.

19. Stefan Smetan, Dana Copolovici, Ilinca Merima Imbrea, Gabriela Valentina Ciobotariu, **Lucian Copolovici**, Georgeta, Pop, Chemical composition of lavender oil produced from lavender cultivated in the South of Madrid, *Research Journal of Agricultural Science*, **2018**, 50(3), 37-42.

20. F. Bodnărescu, Renata Maria Șumălan, S. Ciulca, **Lucian Copolovici**, R.L. Șumălan, The influence of parental lines on lycopene and β -carotene content in tomato fl hybrids (*Solanum lycopersicum* L.), *Research Journal of Agricultural Science*, **2018**, 50(3), 90-97.
21. Cristian Moisa, **Lucian Copolovici**, Andreea Lupitu, Dana Copolovici, Ilinca Imbrea, Georgeta Pop, Effect of light intensity on the photosynthetic parameters for plants from the *Lamiaceae* family, *Research Journal of Agricultural Science*, **2019**, 51(1), 154-159.
22. Marius Zăhan, Ileana Miclea, Alexandru Nagy, **Lucian Copolovici**, Comparison between Mangalitsa and Mangalitsa x Duroc hybrids meat quality, *Porcine Research*, **2019**, 9, 21-25
23. Cristian Moisa, Dana Copolovici, Andreea Lupitu, Loredana Lazar, **Lucian Copolovici**, Drought stress influence on pea plants (*Pisum sativum* L.), *Scientific and Technical Bulletin, Series: Chemistry, Food Science and Engineering*, **2019**, 16, 18-22.
24. Ocsana Opriș, Ildikó Lung, Maria-Loredana Soran, **Lucian Copolovici**, Dana Maria Copolovici, Maria Clara Costa, Impact assessment of paracetamol on *Phaseolus vulgaris* L. and *Triticum aestivum* L. plants, *Revista de chimie*, **2020**, 71, 549-557.
25. Mihaela Bogdan, Simona Bungau, Delia Mirela Tit, **Lucian Copolovici**, Tapan Behl, Pavel Otrisal, Lotfi Aleya, Gabriela Cioca, Doina Berescu, Diana Uivarosan, Dana Maria Copolovici, Variations in the Chemical Composition of the Essential Oil of *Lavandula angustifolia* Mill., Moldoveanca 4 Romanian Variety, *Revista de chimie*, **2020**, 71(7), 307-315.
26. Alexandru Bogdan, **Lucian Copolovici**, The influence of air pollutants on different material used in construction of monuments, *Scientific and Technical Bulletin, Series: Chemistry, Food Science and Engineering*, **2020**, 17, 26-28.
27. Maria-Daniela Mot, Nicoleta Mihoc, Andreea Ioana Lupitu, Cristian Moisa, Adina Maria Bodescu, **Lucian Copolovici**, Dana Maria Copolovici, Chemical characterization of some commercially available tea tree oils, *Scientific and Technical Bulletin, Series: Chemistry, Food Science and Engineering*, **2021**, 18, 21-27.
28. Alina Ciurel, Andreea Lupitu, **Lucian Copolovici**, Cristian Moisa, Dana Maria Copolovici, Green synthesis and characterization of silver nanoparticles obtained from *Thymus vulgaris* L. hydrolat, *Scientific and Technical Bulletin, Series: Chemistry, Food Science and Engineering*, **2021**, 18, 28-33.

29. Carmen Popa, Iulia Timofte, **Lucian Copolovici**, Dana Maria Copolovici, Fatty acids profile of some commercially fish roe, *Scientific and Technical Bulletin, Series: Chemistry, Food Science and Engineering*, **2021**, 18, 34-38.
30. Lucian Copolovici, Marinela Brendea, Andreea Lupitu, Flavia Bortes, 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.
31. Lucian Copolovici, Flavia Bortes, 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.

d) Cărți

1. Simona Bungau, Vasilica Merca, **Lucian Copolovici**, *Analiza instrumentală și metode de separare*, Ed. Univ. Oradea, 228 p., **2004**, ISBN 973-613-489-X.
2. Simona Bungau, **Lucian Copolovici**, *Chimie analitică-Chimia analitică calitativă*(in Romanian), Ed. Univ. Oradea, 230 p., **2005**, ISBN 973-613-804-6.
3. Felicia Drăgan, **Lucian Copolovici**, *Pharmaceutical Products Synthesis* (in Romanian), Ed. Focus, 184 p., **2005**, ISBN 973-87104-5-6.
4. Simona Bungau, **Lucian Copolovici**, *Teorie și aplicații practice în chimia analitică cantitativă* (in Romanian), Ed. Didactica si Pedagogica, 213 p., **2006**, ISBN 973-30-1622-5.
5. Simona Bungău, Delia Mirela Tiț, **Lucian Copolovici**, Eleonora Marian, *Teorie și aplicații practice în chimia analitică cantitativă* (in Romanian), *Editia a-2-a*, Ed. Didactică și Pedagogică, 380 p., **2011**, ISBN 978-973-30-2910-6.
6. Simona Bungău, Dana Copolovici, **Lucian Copolovici**, *Chimie analitică. Analiza Calitativă* (Editia a doua), Ed. Univ. Oradea , 300 p., **2014**, ISBN 978-606-10-1243-5.
7. Simona Bungău, Dana Copolovici, **Lucian Copolovici**, *Instrumental Analytical Methods. Metode instrumentale de analiza*, Italian Academic Publishing, 285 p., **2015**, ISBN 978-88-98471-15-7.

e) Capitole de cărți

1. Astrid Kannaste, **Lucian Copolovici**, Ulo Niinemets, *Gas Chromatography–Mass Spectrometry Method for Determination of Biogenic Volatile Organic Compounds Emitted by*

Plants, in: Methods in Molecular Biology, Plant isoprenoids, Methods and Protocols, Humana Press, Springer New York, pp 161-169, **2014**, ISBN 978-1-4939-0605-5.

2. **Lucian Copolovici**, Ulo Niinemets, *Environmental impacts on plant volatile emission*, in: *Deciphering chemical language of plant communication*, James D. Blande, R. Glinwood Ed., Springer, New York, pp. 35-59, **2016**, ISBN 978-3-319-33498-1.

g) Rezumate la conferințe

(1) Conferințe WOS

1. Z. Sun, Ulo Niinemets, **Lucian Copolovici**, **Foliar isoprene emission during autumn senescence in aspen (*Populus tremula*)**, *19th Annual VM Goldschmidt Conference* Davos, Switzerland, Jun. 21, 2009, published in: *Geochimica et Cosmochimica Acta*, 73(13), A1295-A1295

2. Manuela Stan, Maria L. Soran, Codruța Varodi, Iolanda Lung, **Lucian Copolovici**, Constantin Măruțoiu, Extraction and GC determination of volatile aroma compounds from extracts of three plant species of the *Apiaceae* family, *AIP Conference Proceedings*, 1565, 75-78, 2013.

3. Anca Mot, Dana Copolovici, Emilian Matosa, Ghiocel Mot, Lucian Copolovici, The chemical composition and pharmaceutical usage of Hawthorn (*Crataegus monogyna* L.) extracts, *European Biotechnology Conference*, 5-7 May 2016, published in: *Journal of Biotechnology*, 231, S59-S59

4. I M. Balmus, R. Cojocariu, R. Lefter, L. Hritcu, D. Ababei, A. Ciobica, D. **Copolovici**, L. Copolovici, S. Copaci, S. Jurcoane, The effects of Camelina Sativa seed extract in a complex irritable bowel syndrome mice model-focussing on preliminary correlations between lipid peroxidation and behavioral parameters, (2020). *E-Poster Viewing. European Psychiatry*, no. EPV0767 63(S1), S433, <https://doi.org/10.1192/j.eurpsy.2020.6>.

(2) Conferințe internaționale și naționale

5. Alexandra Rustoiu Csavdari, Ioan Baldea, **Lucian Copolovici**, Dana Mihai, **Multicomponent trace analysis of some heavy metal ions by kinetic methods**, *A XI-a Conferinta Internationala de Chimie si Inginerie Chimica*, 30.09-2.10, Bucuresti, 1999, S4-O1 (*participant*).
6. **Lucian Copolovici**, Ioan Baldea, **Metoda cinetica pentru determinarea cresolilor in concentratii mici** (A Kinetic Method for the Determination of Cresol in Trance), (*in Romanian*), *Al XXVI-lea Simpozion National de Chimie*, 4 - 6 octombrie, Calimanesti-Caciulata, 2000, PS5-464.
7. **Lucian Copolovici**, Ioan Baldea, **Determination of Phenol by Kinetic Methods**, The 10th Conference on Physical Chemistry, 25-29 September, Iasi, 2000, S10-PO5 (*participant*).
8. **Lucian Copolovici**, Ioan Baldea, **Kinetic Determination of Aromatic Amines at Millimolar Level**, *7th International Symposium on Analytical Chemistry*, Bucuresti, 26-29 septembrie 2001, P9 (*participant*).
9. **Lucian Copolovici**, Ioan Baldea, Alexandra Balc, **Determination of Aromatic Amines by Kinetic Methods**, *7th International Symposium on Analytical Chemistry*, Bucuresti, 26-29 septembrie 2001, P8 (*participant*).
10. **Lucian Copolovici**, Ioan Baldea, **Kinetic Determination of Aromatic Amines at Millimolar Level** *30 de ani învățământ de inginerie chimică*, Cluj-Napoca, 6-8 septembrie 2001, S5-O2 (*participant*).
11. **Lucian Copolovici**, Claudia Mureșanu, Florina Făgădar, **Kinetics, mechanism and analytical applications of catalase catalyzed decomposition of H₂O₂ in the presence of phenolic inhibitors**, *A XII-a Conferinta Internationala de Chimie si Inginerie Chimica*, 13.09-15.09, Bucuresti, 2001, S4-P25 (*participant*).
12. Simona Bungău, Ioan Bâldea, **Lucian Copolovici**, **Kinetic Determination of Vitamines by Using Landolt-Type Reactions**, *3rd International Conference of the Chemical Societies of the South-Eastern European Countries on "Chemistry in the New Millennium - an Endless Frontier"*, București, 22.09-25.09 2002, P144 (*participant*).

13. Claudia Mureșanu, **Lucian Copolovici**, Florina Făgădar, **Kinetics, mechanism and analytical applications of catalase catalyzed decomposition of H_2O_2 in the presence of hydroxylamine**, *3rd International Conference of the Chemical Societies of the South-Eastern European Countries on "Chemistry in the New Millennium - an Endless Frontier"*, București, 22.09-25.09 2002, P145 (*participant*)
14. **Lucian Copolovici**, Ioan Bâldea, Kinetic determination of aromatic amines in mixture using a logarithmic extrapolation method, *3rd International Conference of the Chemical Societies of the South-Eastern European Countries on "Chemistry in the New Millennium - an Endless Frontier"*, București, 22.09-25.09 2002, P146 (*participant*)
15. S. Bungău, Ioan Bâldea, **Lucian Copolovici**, Florian Bănică, Kinetic Determination of Upsarin components using Landolt-Type Reactions, The 27th Annual Congress of American-Roumanian Academy of Arts and Science, Oradea, 12.04-15.04, 2002, P46
16. **Lucian Copolovici**, Ioan Bâldea și Alexandra Rustoiu-Csavdari, Determinarea para-toluidinei și fenolului în amestec prin o metodă cinetică (para-toluidine and phenol Determination Using a Kinetic Method), (*in Romanian*), *Al XXVII-lea Simpozion National de Chimie*, 23 -26 octombrie, Calimanesti-Caciulata, 2002, S5-270 (*participant*)
17. Simona Bungău, Ioan Bâldea and **Lucian Copolovici**, Determinarea vitaminelor B₁ și B₆ prin oxidare cu permanganat (Vitamins B₁ and B₆ Determination Using Permanganate), (*in Romanian*), *Al XXVII-lea Simpozion National de Chimie*, 23 -26 octombrie, Calimanesti-Caciulata, 2002, S5-298 (*participant*)
18. Simona Bungău, Ioan Bâldea, Gavril Niac and **Lucian Copolovici**, O metodă cinetică de determinare a acidului ascorbic din fructe (A Kinetic Methods for Ascorbic Acid Determination in Fruits), (*in Romanian*), *Al XXVII-lea Simpozion National de Chimie*, 23 -26 octombrie, Calimanesti-Caciulata, 2002, S5-316 (*participant*)
19. **Lucian Copolovici**, Atilla Horvath and Ioan Bâldea, **Kinetics and Analytical Application of Phenol Oxidation by Potassium Permanganate in Acidic Media**, *A III-a Conferință a Facultății de Chimie Industrială*, 13.11-15.11, Iași, 2002, S5-O6 (*participant*)
20. Claudia Muresanu, **Lucian Copolovici** and Florina Fagadar, Cinetica și aplicațiile analitice ale reacției de descompunere a apei oxigenate catalizate enzimatic (Kinetics and Analytical

Application of The Hydroperoxide Decomposition in Enzymatic Catalysis) (*in Romanian*), A III-a Conferință a Facultății de Chimie Industrială, 13.11-15.11, Iași, 2002, S5-O7 (*participant*)

21. **Lucian Copolovici**, Alexandra Rustoiu-Csavdari, Ioan Baldea, **O metodă cinetică de determinarea a fenolului și para-toluidinei** (A Kinetic Method for Phenol and *para*-toluidine Determination) (*in Romanian*), Conferința Univ. de Nord, 08.05-09.05, Baia Mare, 2003, P1, (*participant*)

22. Simona Bungău, **Lucian Copolovici** and Ioan Bâldea, **Kinetic Determination Methods for Ascorbic Acid by Using N-(1-naphtyl) Etilendiamine Hydrochloride**, 11th Physical Chemistry Conference (ROMPHYSCHEM 11), 2.09-5.09, Timișoara, 2003, S10-P119 (*participant*)

23. Simona Bungău, **Lucian Copolovici** and Ioan Bâldea, **Kinetic Determination of para-aminobenzoic acid (H vitamin) By using Landolt-Type Reactions**, 11th Physical Chemistry Conference (ROMPHYSCHEM 11), 2.09-5.09, Timișoara, 2003, S10-P120 (*participant*)

24. **Lucian Copolovici**, Claudia Muresanu and Florina Fagadar, **A New Kinetic Method For the Determination of Hydroxilamine Using an Oxygen Sensor**, 11th Physical Chemistry Conference (ROMPHYSCHEM 11), 2.09-5.09, Timișoara, 2003, S10-P131 (*participant*)

25. **Lucian Copolovici**, Ioan Baldea, **Spectrophotometrical Kinetic Determination of β -naphthol at Millimolar Level**, 11th Physical Chemistry Conference (ROMPHYSCHEM 11), 2.09-5.09, Timișoara, 2003, S10-P132 (*participant*)

26. Anca Molnar, Ioan Baldea, **Lucian Copolovici** and Simona Bungau, **Kinetics and Analytical Application of Oxidation of Thiamine by Permanganate in Acidic Media**, 13th Romanian International Conference on Chemistry and Chemical Engineering, 16.09-20.09, Bucuresti, 2003, S3-P19 (*participant*)

27. Simona Bungău, **Lucian Copolovici** and Ioan Bâldea, **Determination of Ascorbic Acid and Acetylsalicylic Acid in Mixture**, 13th Romanian International Conference on Chemistry and Chemical Engineering, 16.09-20.09, Bucuresti, 2003, S4-O2 (*participant*)

28. Claudia Muresanu, **Lucian Copolovici**, **Kinetic Method for Acetylsalicylic Acid Determination Based On its Inhibitory Effect Upon Catalytic Decomposition of H₂O₂**, 13th

Romanian International Conference on Chemistry and Chemical Engineering, 16.09-20.09, Bucuresti, 2003, S4-P08, (participant)

29. **Lucian Copolovici** Ioan Bâldea and Atila Horvath, **Phenol Oxidation by Potassium Permanganate in Acidic Media. Kinetics and Analytical Application**, 13th *Romanian International Conference on Chemistry and Chemical Engineering*, 16.09-20.09, Bucuresti, 2003, S4-P19 (participant)

30. Florina Fagadar, Ioan Baldea and **Lucian Copolovici**, **Kinetic Method For Phenol Determination Based on its Inhibitory Effect Upon Catalytic Decompositions of H₂O₂**, 13th *Romanian International Conference on Chemistry and Chemical Engineering*, 16.09-20.09, Bucuresti, 2003, S4-P20 (participant)

31. **Lucian Copolovici**, **Physical-Chemical Characterization of VOC Emission**, *ISONET-VOCBAS Summer school*, 20-24.09, Pievo-Tesino (Italy), 2004 (participant)

32. **Lucian Copolovici**, Felicia Dragan, **Analytical Application of Atenolol Oxidation by Bichromate in Acidic Media**, *Advanced Spectroscopies on Biomedical and Nanostructured Systems*, 19-22 September, Cluj-Napoca, 2004

33. **Lucian Copolovici**, Felicia Dragan, Simona Bungau, **Determinarea acidului acetilsalicilic prin oxidare cu permanganat** (Determination of Acetylsalicylic Acid from Drugs Using Kinetic Methods), (in Romanian), *Al XXVIII-lea Simpozion National de Chimie*, 4 -6 octombrie, Calimanesti-Caciulata, 2004, S4-273

34. **Lucian Copolovici**, Simona Bungau, Felicia Dragan, **Thiamine determination from medicines using gas chromatography**, *A 4-a Conferinta Procese Izotopice si moleculare*, 22-24.september, Cluj-Napoca, 2005, P. 5.

35. **Lucian Copolovici**, **Effects of low-molecular organic compounds and salt content on partitioning equilibrium of monoterpene at water – air and water- lipid phases interfaces**, *VOCBAS workshop*, Julich, Germany, 13-15 June 2006.

36. Felicia Dragan, **Lucian Copolovici**, Ioan Bratu, **Determinarea constantei de stabilitate a metoprololului si atenololului in β -ciclodextrina**, *Al XXIX-lea Simpozion National de Chimie*, 4 -6 octombrie, Calimanesti-Caciulata, 2006, p. 391

37. **Lucian Copolovici**, Willy Maenhaut, **Determinarea acizilor dicarboxilici din probe de aer prin cromatografie de schimb ionic**, *Al XXIX-lea Simpozion National de Chimie*, 4 -6 octombrie, Calimanesti-Caciulata, 2006, p. 409
38. **Lucian Copolovici**, Willy Maenhaut, **Semivolatil Behaviour of Dicarboxylic acids at Rural (K-puszt, Hungary) and Urban (Gent, Belgium) Sites**, 10th Edition of *Academic Days*, Timisoara, Romania, May 24-25, 2007, o1 (*participant*)
39. **Lucian Copolovici**, Vito Lippolis, Cristian Silvestru, **Mesityltellurium(II) Iodide, Tellurium(II) Diiodide and Selenium(II) Diiodide Complexes with [Ph₂P(E)]₂NH (E = S, Se)**, 10th Edition of *Academic Days*, Timisoara, Romania, May 24-25, 2007, P4 (*participant*)
40. **Lucian Copolovici**, Vito Lippolis, Cristian Silvestru, **Synthesis and Characterization of New Compounds Containing the -Se-Se- Bridge**, *Tenth International on the Chemistry of Selenium and Tellurium*, Lodz, Poland, 21-29 June 2007 (*participant*)
41. **Lucian Copolovici**, Cristian Silvestru, Varga Richard, **Synthesis, characterization and crystal structures of new hypervalent organotellurium compounds**, *XVII EuChemMS Conference on Organometallic Chemistry*, 1.09-6.09 Sofia, Bulgaria, 2007, (*participant*)
42. Merje. Toome, Steffen Noe, **Lucian Copolovici**, **Emission of willow challenged with leaf rust fungus**, *ESF VOCBAS Science Conference*, 14.01 – 17.01, Taagepera, Estonia, 2009 (*participant*)
43. **Lucian Copolovici**, Irina Bichele, Ulo Niinemets, **LOx products emission from plants induced by stress conditions. A comparison between different species**, *ESF VOCBAS Science Conference*, 14.01 – 17.01, Taagepera, Estonia, 2009 (*participant*)
44. Irina Bichele, **Lucian Copolovici**, Ulo Niinemets, **The burst of volatile products of the lipxygenase pathway is related to membrane damage and programmed cell death in leaves exposed to extreme high temperatures**, *ESF VOCBAS Science Conference*, 14.01 – 17.01, Taagepera, Estonia, 2009 (*participant*)
45. Andrea Ghirardo, **Lucian Copolovici**, Seffen Noe, Joerg-Peter Schnitzler, Ulo Niinemets, **BVOCs emission under chilling and hot stresses in poplar trees**, *ESF VOCBAS Science Conference*, 14.01 – 17.01, Taagepera, Estonia, 2009 (*participant*)

46. Zhihong Sun, **Lucian Copolovici**, Ulo Niinemets, **Foliar methanol and isoprene emissions during autumn senescence in aspen (*Populus tremula*)**, *ESF VOCBAS Science Conference*, 14.01 – 17.01, Taagepera, Estonia, 2009 (*participant*)
47. **Lucian Copolovici**, Ulo Niinemets, **Flooding induced emissions of volatile signaling compounds in species with differing waterlogging tolerance**, *Plant Abiotic Stress-from signaling to development*, 2nd meeting of INPAS, 14.05-17.05, Tartu, Estonia, 2009, p. 51 (*participant*)
48. Irina Bichele, **Lucian Copolovici**, Ulo Niinemets, **Heat shock induce membrane damage, volatiles emission of methanol and lipoxygenase pathway, and programmed cell death in intact leaves**, *Plant Abiotic Stress-from signaling to development*, 2nd meeting of INPAS, 14.05-17.05, Tartu, Estonia, 2009, p. 47 (*participant*)
49. Boy Possen, Mikko Anttonen, **Lucian Copolovici**, Juha Heiskanen, Katri Kostiainen, Sari Kontunen-Soppela, Ülo Niinemets, Elina Oksanen, Matti Rousi, Elina Vapaavuori, **Genetic variation in biomass accumulation within a Silver birch (*Betula pendula* Roth) population**, *8th APGC Symposium: 'Plant Functioning in a Changing Global and Polluted Environment*, Groningen, Netherlands, June 8, 2011
50. Virginia Coman, Florina Copaciu, Ocsana Opriş, **Lucian Copolovici**, **Chromatographic analysis of some textile dyes from wastewater samples and their effect over the nonvolatile secondary metabolites of wheat and rye**, „29th International Symposium on Chromatography”, 9-12 Septembrie 2012, Torun, Poland
51. **Lucian Copolovici**, Ülo Niinemets, Astrid Kännaste, Andreea Pag, Adina Bodescu, Daniel Tomescu, **The identification and atmospheric role of volatile compounds emitted by plants in stress conditions**, 9th Conference of Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 25-27.10.2012 (*participant*)
52. **Lucian Copolovici**, Astrid Kännaste, Ülo Niinemets, **Determination of terpene emissions and contents from stress plants using gas chromatography**, *Centenary of Education in Chemical Engineering*, Iasi, 28-30 November 2012 (*participant*)
53. Andrea Pag, Daniel Tomescu, Adina Bodescu, Astrid Kännaste, Trinu Remmel, Ülo Niinemets and **Lucian Copolovici**, **Emission of volatiles organic compounds from stressed**

plants, *International Symposium Research and Education in Innovation Era, 4th Edition*, Arad, 08.11-09.11 2012, (participant).

54. Adina Bodescu, Andreea Pag, Daniel Tomescu, **Lucian Copolovici**, **Analytical method for determination of Biogenic Volatile Organic Compounds**, *International Symposium Research and Education in Innovation Era, 4th Edition*, Arad, 08.11-09.11 2012 (participant).

55. **Lucian Copolovici**, Identificarea și rolul în atmosferă a compușilor volatili emiși de plante în condiții de stres, *Conferinta Internationala „Practici si Experiente in Protectia Mediului” in cadrul targului Ecomediul*, Arad, 16-18 Octombrie 2013 (participant).

56. **Lucian Copolovici**, Andreea Pag, Astrid Kännaste, Daniel Tomescu, Adina Bodescu, Ülo Niinemets, **Volatile organic compound emissions from *Betula verrucosa* under flooding and drought stresses**, *Environment & Progress 2013*, Cluj-Napoca, 25 Octombrie 2013 (participant).

57. Steffen M Noe, Katja Hüve, Ülo Niinemets, **Lucian Copolovici**, **Spatial and seasonal variation in volatile compounds air concentrations in a hemiboreal mixed forest**. *EGU General Assembly 2013*, (*Geophysical Research Abstracts*; 15).

58. Eve Veromann, Merje Toome, Astrid Kännaste, Riina Kaasik, **Lucian Copolovici**, Jaak Flink, Gabriella Kovács, Lea Narits, Anne Luik, Ülo Niinemets, **Effects of nitrogen fertilization on insect pests, their parasitoids, plant diseases and volatile organic compounds in *Brassica napus***. In: *Future IPM in Europe (on USB stick): Future IPM in Europe, 19-21.03.2013, Riva del Garda, Italy*

59. **Lucian Copolovici**, Pag Andreea, Astrid Kännaste, Daniel Tomescu, Adina Bodescu and Ülo Niinemets, **Volatiles Organic Compounds and Their Roles in Plants Defense**, *13th Edition Timisoara's Academic Days*, 13-14 June, Timisoara, Romania 2013, (participant)

60. M. Stan, M.L. Soran, C. Varodi, I. Lung, **L. Copolovici**, C. Măruțoiu, **Extraction and gas chromatographic determination of essential oils from three plant species of the *Apiaceae* family**, *International Conference “Processes in Isotopes and Molecules PIM 2013 –24 – 27 September*, Cluj-Napoca, Romania

61. Daniel Tomescu, Andreea Pag, Radu Sumalan and **Lucian Copolovici**, **The influence of soil salinity on photosynthetic parameters of *Solanum lycopersicum* L. plants**, *Agri-Food Sciences, Processes and Technologies*, Sibiu, 14-15 May, 2014 (participant)

62. **Lucian Copolovici**, Andreea Pag, Astrid Kännaste, Daniel Tomescu, Adina Bodescu, Ülo Niinemets, **Volatile organic compound emissions from *Quercus* genus under abiotic stresses**, *Agriculture for Life, Life for Agriculture*, Bucharest, 5-7 June 2014 (*participant*)
63. **Lucian Copolovici**, Astrid Kännaste, Andreea Pag, Daniel Tomescu, Adina Bodescu, Ülo Niinemets, **New Gas Chromatography Mass-Spectrometry Methods used for Trapping and Determination of Volatile Organic Compounds Emitted by Plants**, *The 3rd International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES 2014"* June 13th – 15th, 2014, Brasov, Romania
64. Manuela Stan, Maria Soran, Ildiko Lung, **Lucian Copolovici**, Maria Trusca, **The influence of microwave fields on volatile organic compounds from three Romanian aromatic plants**, *XVI YUCORR, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection*, June 23 - 26, 2014, Tara Mountain, Serbia
65. Manuela Stan, Maria Soran, Ildiko Lung, **Lucian Copolovici**, Constantin Marutoiu, **Microwave fields effect on the essential oils from some aromatic plants**, *XVI YUCORR, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection*, June 23 - 26, 2014, Tara Mountain, Serbia
66. **Lucian Copolovici**, Ülo Niinemets, **Biogenic volatile organic compounds emission and their role in climate change**, *10th Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)
67. Dana Copolovici, Andreea Ioana Pag, Felicia Dragan, **Lucian Copolovici**, **Chemical analysis of *Sambucus Ebulus L.* extracts**, *10th Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)
68. Adina-Maria Bodescu, Astrid Kannaste, Andreea Pag, Ülo Niinemets, **Lucian Copolovici**, **The influence of temperature stress of biogenic volatile organic compounds emission and photosynthetic parameters for *Quercus robur* trees**, *10th Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)
69. Andreea Ioana Pag, Daniel Tomescu, Astrid Kannaste, Adina Bodescu, Ülo Niinemets, **Lucian Copolovici**, **Volatile organic compound emission from *Quercus robur* under abiotic and**

biotic stress, 10th *Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)

70. Daniel Tomescu, Andreea Pag, Adina Bodescu, Astrid Kannaste, Ülo Niinemets, **Lucian Copolovici**, **Volatile organic compounds emissions from *Quercus Robur* under drought stress**, 10th *Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)

71. **Lucian Copolovici**, Astrid Kännaste, **Andreea Pag**, **Daniel Tomescu**, **Adina Bodescu**, Ülo Niinemets, Volatile organic compounds emitted by plants determination using new gas chromatography mass-spectrometry methods, *Symposium Research and Education in Innovation Era, 4th Edition*, Arad, 6-7 Noiembrie 2014.

72. **Andreea Ioana Pag**, **Daniel Tomescu**, Astrid Kännaste, **Adina Bodescu**, Ülo Niinemets, **Lucian Copolovici**, Volatile organic compound emissions from pedunculate oak under abiotic and biotic stress, *Symposium Research and Education in Innovation Era, 4th Edition*, Arad, 6-7 Noiembrie 2014.

73. **Adina Bodescu**, Astrid Kannaste, Andreea Pag, Ülo Niinemets, Lucian Copolovici, The influence of temperature stress on the emission of biogenic volatile organic compounds and photosynthetic parameters of *Quercus robur* trees, *Symposium Research and Education in Innovation Era, 4th Edition*, Arad, 6-7 Noiembrie 2014.

74. Daniel Tomescu, Andreea Pag, Adina Bodescu, Astrid Kännaste, Ülo Niinemets, **Lucian Copolovici**, Volatile organic compound emissions from oak under drought stress, *Symposium Research and Education in Innovation Era, 4th Edition*, Arad, 6-7 Noiembrie 2014.

75. **Lucian Copolovici**, Andreea Pag, Astrid Kannaste, Ülo Niinemets, Monitoring volatile organic compounds emitted by plants using a new gas chromatography mass spectrometry method, *XXXIII-rd Romanian Chemistry Conference*, Calimanesti-Caciulata, 1-3 Octombrie 2014

76. **Lucian Copolovici**, Ulo Niinemets, The temperature effect on terpenes partitioning equilibrium at water-air interface, *National Symposium Environment & Progress*, 29-30 Octombrie 2015, Cluj-Napoca, Romania.

77. **Lucian Copolovici**, Astrid Kännaste, Ülo Niinemets, Environmental impact on volatile organic compounds emission from plants, *International U.A.B. – B.EN.A. Conference*, Mai 28-30th, 2015, Alba Iulia, Romania
78. **Lucian Copolovici**, Adina Bodescu, Andreea Pag, Astrid Kännaste, Daniel Tomescu, Ülo Niinemets, Volatile organic compound emissions and photosynthetic parameters of *Quercus Rubra* under temperature stresses, *Agriculture for Life, Life for Agriculture* June 4 - 6, 2015, Bucharest, Romania
79. **Lucian Copolovici**, Astrid Kännaste, Leila Pazouki, Ülo Niinemets, The profile of the Secondary Metabolic compounds from *Lycopersicon esculentum* plants in stress conditions, *The RSBMB Anniversary 25th Conference*, 17-18 September, 2015, Bucharest, Romania
80. **Lucian Copolovici**, Ülo Niinemets, Environment affects the plants but the environment could be influenced by compounds emitted by plants?, *11th International Conference ELSEDDIMA “Environmental Legislation, Safety Engineering and Disaster Management” Building Disaster Resilience in a Changing World*, 26-28 May, 2016, Cluj-Napoca, Romania
81. Monica Taschina, **Lucian Copolovici**, The influence of acetaminophen on physiological characteristics and volatile organic compounds in *Phaseolus vulgaris*, *11th International Conference ELSEDDIMA “Environmental Legislation, Safety Engineering and Disaster Management” Building Disaster Resilience in a Changing World*, 26-28 May, 2016, Cluj-Napoca, Romania
82. Dennis N. Iosif, **Lucian Copolovici**, Dana M. Copolovici, Anthropogenic Aromatic Hydrocarbons in Arad Atmosphere, *11th International Conference ELSEDDIMA “Environmental Legislation, Safety Engineering and Disaster Management” Building Disaster Resilience in a Changing World*, 26-28 May, 2016, Cluj-Napoca, Romania
83. Dana M. Copolovici and **Lucian Copolovici**, Volatile Organic Compounds Emission from Cars Indoor and Their Implication to Human Health, *11th International Conference ELSEDDIMA “Environmental Legislation, Safety Engineering and Disaster Management” Building Disaster Resilience in a Changing World*, 26-28 May, 2016, Cluj-Napoca, Romania

84. **Lucian Copolovici** and Ulo Niinemets, Environmental effect on emission of volatile organic compounds from plants, *Agriculture for Life, Life for Agriculture*, June 9 - 11, 2016, Bucharest, Romania
85. Dana Copolovici, Dana Radu, Georgeta Pop, **Lucian Copolovici**, Chemical analysis and antimicrobial activity of *Lavandula officinalis* L. essential oils, *Agriculture for Life, Life for Agriculture*, June 9 - 11, 2016, Bucharest, Romania
86. **Lucian Copolovici**, Ülo Niinemets, New insights into volatile organic compounds emissions and climate change, *6th International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
87. Denissa A. Pop, Alina Ban, **Lucian Copolovici**, Dana Copolovici, _Chromatographic analysis of some food products, *6th International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
88. Adina Bodescu, Daniel Tomescu, Andreea Pag, **Lucian Copolovici**, The influence of drought on Timis County forest, *6th International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
89. **Lucian Copolovici**, Dumitru Condrat, Nicolae Dinca, Thermochemical data obtained by quantum chemical calculation for identification by differential mass spectrometry of some biologically active compounds from lavender oil, *6th International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
90. Dumitru Condrat, Dana Copolovici, Lucian Copolovici, Analysis of anthocyanidins in *Crataegus monogyna* and *Rosa canina* ethanolic extracts, *6th International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
91. Dennis N. Iosif, Lucian Copolovici, Dana Copolovici, Determination of atmospheric pollutants in Arad city, *6th International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
92. **Lucian Copolovici** and Ulo Niinemets, Increasing of CO₂ concentration: good or bad effect on the environment? The XXXIV-th Romanian Chemistry Conference, 4 -7 octombrie, Calimanesti-Caciulata, 2016.

93. Dana M. Copolovici, Denissa A. Pop, Alina M. Ban, **Lucian Copolovici**, Chemical analysis of italian and portuguese cheese, The XXXIV-th Romanian Chemistry Conference, 4 -7 octombrie, Calimanesti-Caciulata, 2016.
94. **Lucian Copolovici**, Ioana Faur, Adelina Ban, Dana Copolovici, The influence of the acidic rain chemical composition on volatile organic compounds emission and photosynthetic parameters of the *Phaseolus vulgaris* L. plants, International U.A.B. – B.E.N.A. Conference Environmental Engineering and Sustainable Development, Alba Iulia, Romania, May 25-27th, 2017.
95. Dana Copolovici, Denissa A. Pop, Alina M. Ban, **Lucian Copolovici**, Variation of the chemical composition of diverse types of cheese, International U.A.B. – B.E.N.A. Conference Environmental Engineering and Sustainable Development, Alba Iulia, Romania, May 25-27th, 2017.
96. Cristian Moisa, Lucian Copolovici, Georgeta Pop, Dana Copolovici, An overview of the chemical composition and biological activity of volatile oil obtained from *Satureja montana* L., International U.A.B. – B.E.N.A. Conference Environmental Engineering and Sustainable Development, Alba Iulia, Romania, May 25-27th, 2017.
97. Andreea I. Lupitu, **Lucian Copolovici**, Georgeta Pop, Dana Copolovici, Chromatographic analyses of essential oils obtained from different plant species cultivated in Romania”, 10th Edition of New Trends and Strategies in the Chemistry of advanced materials in biological systems, technique and environmental protection, 8-9 June 2017, Timișoara, Romania
98. **Lucian Copolovici**, Ioana Faur, Adelina Ban, Dana Copolovici, The influence of simulated acidic rain on plants volatile organic compounds emission and photosynthetic parameters, *Agriculture for Life, Life for Agriculture*, June 8 - 10, 2017, Bucharest, Romania
99. Monica Taschina, Daniela Timis, **Lucian Copolovici**, Dana Copolovici, The influence of antipyretic drugs on physiological parameters and volatile organic compounds emission from plants, *Agriculture for Life, Life for Agriculture*, June 8 - 10, 2017, Bucharest, Romania
100. Cristian Moisa, **Lucian Copolovici**, Georgeta Pop, Dana Copolovici, Dry and fresh herba of *Satureja Montana* L.: a comparative study regarding chemical composition and antioxidant capacity of volatile oils, *Agriculture for Life, Life for Agriculture*, June 8 - 10, 2017, Bucharest, Romania

101. Dennis N. Iosif, **Lucian Copolovici**, Dana M. Copolovici, Determination of BTEX in urban area of Arad, Romania, *Agriculture for Life, Life for Agriculture*, June 8 - 10, 2017, Bucharest, Romania
102. Dana M. Copolovici, Daniana E. Vasiliu, **Lucian Copolovici**, Determination of chemical composition of some Romanian sausages, *Agriculture for Life, Life for Agriculture*, June 8 - 10, 2017, Bucharest, Romania
103. **Lucian Copolovici**, Ioana Faur, Adelina Ban, Dana Copolovici, The influence of acidic rain pH and composition of plants secondary metabolites, The 16th International Symposium” Prospects for the 3rd Millennium Agriculture, 28th– 30th September 2017, Cluj-Napoca, Romania
104. Anca Mot, Andreea Lupitu, **Lucian Copolovici**, Dana Copolovici, Composition, antioxidant and total phenolic content analysis of extracts obtained from (*Tanacetum vulgare L.*) cultivated in Romania, The 16th International Symposium” Prospects for the 3rd Millennium Agriculture, 28th– 30th September 2017, Cluj-Napoca, Romania
105. D.M. Copolovici, L. Lazăr, D.A Pop, A.M. Ban and **L. Copolovici**, Chemical composition of semi-soft, semi-hard and hard types of cheeses, The 16th International Symposium ”Prospects for the 3rd Millennium Agriculture”, Cluj-Napoca, Romania, 28– 30 Sept. 2017 (prezentare orală).
106. Adina Bodescu, **Lucian Copolovici**, Monitoring of particulate matter (PM10) concentrations in the Western part of Romania, 7th International Symposium Research and Education in Innovation Era, May 17-19, 2018, Arad, Romania
107. Corina Popitanu, Dennis N. Iosif, **Lucian Copolovici**, Dana Copolovici, „Baking” pollutants in atmosphere identified nearby us, 7th International Symposium Research and Education in Innovation Era, May 17-19, 2018, Arad, Romania
108. **Lucian Copolovici**, Dumitru Condrat, Nicolae Dinca, Calculated thermo-chemical data for discrimination by differential mass spectrometry of some C₁₀H₁₈O isomers from lavender oil, 7th International Symposium Research and Education in Innovation Era, May 17-19, 2018, Arad, Romania
109. Monica Taschina, Dana Copolovici, **Lucian Copolovici**, The influence of ketoprofen on *Phaseolus vulgaris L.* plants, 7th International Symposium Research and Education in Innovation Era, May 17-19, 2018, Arad, Romania

110. Andreea Lupitu, Cristian Moisa, Dana Copolovici, **Lucian Copolovici**, Determination of phenolic compounds by UHPLC from different plant sources, *7th International Symposium Research and Education in Innovation Era*, May 17-19, 2018, Arad, Romania
111. Andreea Lupitu, Cristian Moisa, Dana Copolovici, **Lucian Copolovici**, Secondary metabolites from medicinal and aromatic plants – diversity and applications, *7th International Symposium Research and Education in Innovation Era*, May 17-19, 2018, Arad, Romania
112. Radu Sumalan, Sorin Ciulca, Sorina Popescu, Florin Bodnarescu, Renata Sumalan, **Lucian Copolovici**, Romanian tomatoes local landraces- valuable food sources for a changing future, *7th International Symposium Research and Education in Innovation Era*, May 17-19, 2018, Arad, Romania
113. Adriana Csakvari, Andreea Lupitu, **Lucian Copolovici**, Dana Copolovici, Chemical profiles of different plant extracts determined by chromatographic methods, *7th International Symposium Research and Education in Innovation Era*, May 17-19, 2018, Arad, Romania
114. **Lucian Copolovici**, Dana Copolovici, Andreea Lupitu, Volatile organic compounds emission from plants under climate change pression, *7th International Symposium Research and Education in Innovation Era*, May 17-19, 2018, Arad, Romania
115. **Lucian Copolovici**, Dana Copolovici, The influence of climate change on volatile organic compounds emission from plants, *Agriculture for Life, Life for Agriculture*, June 9 - 11, 2018, Bucharest, Romania
116. Dana Copolovici, Loredana Lazar, Denissa Pop, Alina Ban, **Lucian Copolovici**, Profiles of fatty acids and volatile compounds evaluated from different types of cheeses, *Agriculture for Life, Life for Agriculture*, June 9 - 11, 2018, Bucharest, Romania
117. Andreea 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*, *Agriculture for Life, Life for Agriculture*, June 9 - 11, 2018, Bucharest, Romania (Best poster award).
118. Cristian Moisa, **Lucian Copolovici**, Andreea Lupitu, Georgeta Pop, Virgiliu Ciutina, Dana Maria Copolovici, Essential oil composition, total phenolic content, and antioxidant activity - determined from leaves, flowers and stems of *Origanum vulgare* L. var. *aureum*, *Agriculture for Life, Life for Agriculture*, June 9 - 11, 2018, Bucharest, Romania (Best poster award).

119. Dana Copolovici, Andreea Lupitu, Cristian Moisa, Nicoleta Mihoc, **Lucian Copolovici**, Chemical characterization, biological activity, and applications of essential oils, *11th Edition of New Trends and Strategies in the Chemistry of advanced materials in biological systems, technique and environmental protection*, Timișoara, Romania, 28-29 Iunie 2018.
120. **Lucian Copolovici**, Dana Copolovici, Andreea Lupitu, Georgeta Pop, Cristian Moisa, The versatility components of essential oils, *The Annual International Conference of the RSBMB*, 5-7 Sept., 2018, Bucuresti, Romania.
121. Cristian Moisa, Andreea I. Lupitu, Dana Maria Copolovici, **Lucian Copolovici**, The influence of phenological stages on the secondary metabolites from thyme and oregano, *The 17th International Symposium Prospects for 3rd Millennium Agriculture*, 27th – 29th September, 2018, Cluj-Napoca, Romania.
122. **Lucian Copolovici**, Dana Copolovici, Andreea Lupitu, Cristian Moisa, Volatile organic compounds emission from plants under different abiotic stresses, *The 17th International Symposium Prospects for 3rd Millennium Agriculture*, 27th – 29th September, 2018, Cluj-Napoca, Romania.
123. Dana Maria Copolovici, Dorina Chambre, Diana Nicoleta Raba, Ionela Alina Ciurel, Camelia Moldovan, **Lucian Octav Copolovici**, Studies regarding the composition and thermo-oxidative stability of the oil extracted from arabica coffee beans at different temperatures, *The 17th International Symposium Prospects for 3rd Millennium Agriculture*, 27th – 29th September, 2018, Cluj-Napoca, Romania.
124. Andreea I. Lupitu, Cristi Moisa, Dana Maria Copolovici, **Lucian Copolovici**, Fatty acids composition of different cold pressed oils, *The 17th International Symposium Prospects for 3rd Millennium Agriculture*, 27th – 29th September, 2018, Cluj-Napoca, Romania.
125. Ocsana Opriș, Maria Soran, Ildikó Lung, Alexandra Ciorîță, **Lucian Copolovici**, Changes in foliage photosynthetic characteristics and structure of autochthonous vegetables upon nonsteroidal antiinflammatory drugs exposure, *The 17th International Symposium Prospects for 3rd Millennium Agriculture*, 27th – 29th September, 2018, Cluj-Napoca, Romania.
126. Ocsana Opriș, Maria Soran, Ildikó Lung, Alexandra Ciorîță, **Lucian Copolovici**, The influence of nonsteroidal anti-inflammatory drugs on photosynthesis and leaf anatomy of *Atriplex patula* L., *The 17th International Symposium Prospects for 3rd Millennium Agriculture*, 27th – 29th September, 2018, Cluj-Napoca, Romania.

127. Raluca Miclea, Florina Copaciu, **Lucian Copolovici**, Andrea Bunea, Dănuț Mănuțiu, The effects of some ecological substances for the control of the grey mold in tomato cultures, *The 17th International Symposium Prospects for 3rd Millennium Agriculture*, 27th – 29th September, 2018, Cluj-Napoca, Romania.
128. Dana Copolovici, Cristian Moisa, Andreea Pag, Smeurica Schitea, Nicoleta Mihoc, **Lucian Copolovici**, Essential oils and their applications, *A XXXV-A Conferinta Nationala de Chimie*, 2-5 Octombrie 2018, Calimanesti-Caciulata, Romania.
129. **Lucian Copolovici**, Andreea Pag, Monica Taschina, Cristian Moisa, Dana Copolovici, The effects of different pollutants on plants and ecosystems, *A XXXV-A Conferinta Nationala de Chimie*, 2-5 Octombrie 2018, Calimanesti-Caciulata, Romania.
130. Andreea Lupitu, Cristi Moisa, Dana Maria Copolovici, **Lucian Copolovici**, Determination of fatty acids contents from different cold pressed oils, *A XXXV-A Conferinta Nationala de Chimie*, 2-5 Octombrie 2018, Calimanesti-Caciulata, Romania.
131. Cristian Moisa, **Lucian Copolovici**, Georgeta Pop, Andreea Pag, Dana Copolovici, Changes in the chemical composition of some essential oils from lamiaceae family during different phenological stages, *A XXXV-A Conferinta Nationala de Chimie*, 2-5 Octombrie 2018, Calimanesti-Caciulata, Romania.
132. Madalina Tudorache, Sabina Ion, Cristina Opris, Bogdan Cojocaru, Irina Zgura, Aurelian C. Galca, Adina Bodescu, **Lucian Copolovici**, Madalin Enache, Gabriel-Mihai Maria, Vasile Parvulescu, Enzyme one-pot system for the construction of artificial lignin-based composites, *The 8th Tokyo Conference on Advanced Catalytic Science and Technology (TOCAT8)*, August 5-10, 2018, Yokohama, Japan.
133. **Lucian Copolovici**, Andreea Lupitu, Cristi Moisa, Dana Maria Copolovici, Biogenic Volatile Organic Compounds Measurement Techniques - from Leaf to Canopy Level, *4th International Conference on Chemical Engineering*, 31 October – 02 November 2018, Iași, Romania.
134. Dana Maria Copolovici, Dennis Iosif, Corina Popintanu, **Lucian Copolovici**, Investigating the Air Quality We Breath in Romania, *4th International Conference on Chemical Engineering*, 31 October – 02 November 2018, Iași, Romania.
135. Roxana Cojocariu, Radu Lefter, Alin Ciobica, Dana Copolovici, **Lucian Copolovici**, Simona Copaci, Stefana Jurcoane, Preliminary data on some facilitatory effects of Camelina

extracts on two different mice model of irritable bowel syndrome on mice, *Conferința științifică a academiei oamenilor de știință din România*, București, Romania, 4-6 April 2019

136. Dana Copolovici, Andreea Lupitu, Cristian Moisa, Dana Mot, Silvia Mot, Adina Maria Bodescu, **Lucian Copolovici**, Essential Oils: Background and Uses, *8th International Symposium Research and Education in Innovation Era*, May 23-25, 2019, Arad, Romania

137. Florentina-Daniela Munteanu, Simona Gavrilăș, **Lucian Copolovici**, Andrea-Raluca Sărsan, Dana-Maria Copolovici, New And Traditional Methods Used for Keratin Extraction from Wool Fibers, *8th International Symposium Research and Education in Innovation Era*, May 23-25, 2019, Arad, Romania

138. **Lucian Copolovici**, Florentina Munteanu, Cristian Moisa, Dana Copolovici, Volatile Organic Compounds Emission - An Innovative Tool for Plants Stress and Food Characterization, *8th International Symposium Research and Education in Innovation Era*, May 23-25, 2019, Arad, Romania

139. Simona Gavrilăș, Andrea-Raluca Sărsan, Mihaela Dochia, **Lucian Copolovici**, Dana-Maria Copolovici, Loredana-Nicoleta Lazăr, Florentina-Daniela Munteanu, Natural Dyes Extracted From Food By-Products With Applications for Natural Fiber Dyeing, *8th International Symposium Research and Education in Innovation Era*, May 23-25, 2019, Arad, Romania

140. Loredana Lazăr, **Lucian Copolovici**, Influence of Drought Stress on Pea Plants (*Pisum Sativum L.*), *8th International Symposium Research and Education in Innovation Era*, May 23-25, 2019, Arad, Romania

141. Cristian Moisa, **Lucian Copolovici**, Georgeta Pop, Andreea Pag, Zina Moisa, Dana Copolovici, The Phenological Stages Influnece Against the Chemical Composition of Some Essential Oils Belonging to the Lamiaceae Family, *8th International Symposium Research and Education in Innovation Era*, May 23-25, 2019, Arad, Romania

142. Andreea Lupitu, Cristian Moisă, Adrian Riviș, Dana Copolovici, **Lucian Copolovici**, Plant Extracts For Human Health, *8th International Symposium Research and Education in Innovation Era*, May 23-25, 2019, Arad, Romania

143. Claudia Mureșan, Sergiu Palcu, Monica Lungu, Virgil Ciutină, **Lucian Copolovici**, Florentina-Daniela Munteanu, Optimisation of The Fermentation And Distillation Processes for the Production of High Quality Plums Spirits, *8th International Symposium Research and Education in Innovation Era*, May 23-25, 2019, Arad, Romania

144. Cristian Moisă, Andreea Lupitu, **Lucian Copolovici**, Dana Copolovici, Loredana Lazăr, Essential Oils and Phenolic Compounds, Bio-Sources and Their Applications, *2nd ICGEB Workshop “Modern Biotechnological Advances for Human Health – BAHH*, May 28-31, 2019, Bucharest, Romania
145. **Lucian Copolovici**, Cristian Moisă, Andreea Lupitu, Dana Copolovici, The Implication of Plant Extracts in Human Health, *2nd ICGEB Workshop “Modern Biotechnological Advances for Human Health – BAHH*, May 28-31, 2019, Bucharest, Romania
146. Florentina-Daniela Munteanu, **Lucian Copolovici**, Simona Gavrilăș, Andrea-Raluca Sărsan, Loredana-Nicoleta Lazăr, Cristian Moisa, Dorina Chambre, Dana-Maria Copolovici, New approaches for keratin extraction from sheep’s wool, *2nd ICGEB Workshop “Modern Biotechnological Advances for Human Health – BAHH*, May 28-31, 2019, Bucharest, Romania
147. **Lucian Copolovici**, Cristian Moisa, Andreea Lupitu, Dana Copolovici, The Influence Of Drought And Flooding Induced By Climate Changes On Plants Development, *Agriculture for Life, Life for Agriculture*, June 6 - 8, 2019, Bucharest, Romania
148. Ramona Lile, **Lucian Copolovici**, Claudia Mureșan, Sergiu Palcu, Monica Lungu, Andreea Lupitu, Cristian Moisa, Dana Copolovici, New Method For Brandy Distillation From Different Fruits, *Agriculture for Life, Life for Agriculture*, June 6 - 8, 2019, Bucharest, Romania
149. Cristian Moisa, **Lucian Copolovici**, Andreea Lupitu, Dana Copolovici, Influnece of Phenological Stages on The Chemical Composition of Several Essential Oils Belonging to the *Lamiaceae* Family *Agriculture for Life, Life for Agriculture*, June 6 - 8, 2019, Bucharest, Romania
150. Dana Copolovici, Cristian Moisa, Andreea Lupitu, Smeurica Schitea, Dana Mot, Silvia Mot, **Lucian Copolovici**, Composition And Properties Of Some Essential Oils Obtained In Romania, *Agriculture for Life, Life for Agriculture*, June 6 - 8, 2019, Bucharest, Romania.
151. Ocsana Opriș, Maria-Loredana Soran, Ildikó Lung, Alexandra Ciorîță, **Lucian Copolovici**, Effects of non-steroidal anti-inflammatory drugs on the ultrastructure and composition of autochthonous vegetables. *4th Edition of Global Conference on Plant Science and Molecular Biology*, 19-21 septembrie, 2019, Londra, Marea Britanie.
152. Daniela Ilie, Elena Daniela Anton, Rodica Tatia, Dana Maria Copolovici, Florentina Munteanu, **Lucian Copolovici**, Oana Craciunescu, Antioxidant and radioprotective activity of polyphenolic extracts of vegetable peels, *21st Romanian International Conference on Chemistry and Chemical Engineering*, Constanta, Romania, 4-7 Sept, **2019**

153. Ocsana Opriș, Alexandra Ciorîță, Maria-Loredana Soran, Ildikó Lung, **Lucian Copolovici**, Changes in composition and ultrastructure of green leafy vegetables after exposure to non-steroidal anti-inflammatory drugs, *12th International Conference Processes in Isotopes and Molecules*, 25-27 septembrie 2019, Cluj-Napoca, România.
154. Ocsana Opriș, Ildikó Lung, Maria L. Soran, Alexandra Ciorîță, **Lucian Copolovici**, The influence of ibuprofen, diclofenac and naproxen on composition and ultrastructural characteristics of *Atriplex patula* and *Spinacia oleracea*. *ICABBBE 2019: 13th International Conference on Agricultural, Biotechnology, Biological and Biosystems Engineering*, 21-22 octombrie, 2019, Atena, Grecia.
155. Cristian Moisa, Andreea I. Lupitu, Dana Maria Copolovici, **Lucian Copolovici**, Aromatic plants - bio-sources of essential oils and phenolic compounds, *The 18th International "Life Sciences for sustainable development"* 26th– 28th September, 2019, Cluj-Napoca, Romania, (poster presentation).
156. Florentina-Daniela Munteanu, Simona Gavrilas, Raluca Sarsan, Loredana Lazar, Cristian Moisa, Dorina Chambre, Dana Maria Copolovici, **Lucian Copolovici**, Extraction method for keratin from sheep's wool, *The 18th International "Life Sciences for sustainable development"* 26th– 28th September, 2019, Cluj-Napoca, Romania, (poster presentation).
157. Andreea I. Lupitu, Ramona Lile, Cristian Moisa, Dana Maria Copolovici, Virgiliu Ciutina, Adrian Rivis, **Lucian Copolovici**, Analysis of grape-based spirits macerated with aromatic plants, *The 18th International "Life Sciences for sustainable development"* 26th– 28th September, 2019, Cluj-Napoca, Romania, (poster presentation).
158. **Lucian Copolovici**, Andreea Lupitu, Cristian Moisă, Dana Copolovici, Volatile organic compounds: from plants signalling to food fragrance, *The 18th International "Life Sciences for sustainable development"* 26th– 28th September, 2019, Cluj-Napoca, Romania, (oral presentation).
159. Dana Copolovici, Ioana Moldovan, Iulia Timofte, Carmen Popa, Andreea Lupitu, Cristian Moisă, Dorina Chambre, Marilena Maereanu, **Lucian Copolovici**, Exploring the phisico-chemical properties and antioxidant activity of fish by-products, *The 18th International "Life Sciences for sustainable development"* 26th– 28th September, 2019, Cluj-Napoca, Romania, (oral presentation).

160. Cristian Moisa, Florentina Munteanu, Dana Copolovici, Florin Oancea, **Lucian Copolovici**, The protective role of mushroom extracts against plants cold stress, *The Vth Edition of New Trends in Environmental and Materials Engineering*, 23th – 25th October 2019, Galati, Romania.
161. Dana Copolovici, Corina Popitanu, Dennis Iosif, Andreea Lupitu, Cristian Moisa, Florentina Munteanu, **Lucian Copolovici**, Volatile organic compounds in urban atmosphere of Arad, Romania; *The Vth Edition of New Trends in Environmental and Materials Engineering*, 23th – 25th October 2019, Galati, Romania.
162. Dana Copolovici, Adriana Csakvari, Leonard Olariu, Cristian Moisa, Andreea Lupitu, Georgeta Pop, Dorina Chambre, **Lucian Copolovici**, Green synthesis of metal nanoparticles; *The XIIth edition Environment & Progress*, 15 November 2019, Cluj Napoca, Romania.
163. **Lucian Copolovici**, Cristian Moisa, Andreea Lupitu, Gratiana Buda, Iuliana Patru, Dana Copolovici, Effects of climate changes on plants secondary metabolites; *The XIIth edition Environment & Progress*, 15 November 2019, Cluj Napoca, Romania.
164. Andreea Lupitu, **Lucian Copolovici**, Cristian Moisa, Dana Copolovici, Ramona Lile, The emission of particle matter and total volatile organic compounds from power stations and their impact to the environment; *The XIIth edition Environment & Progress*, 15 November 2019, Cluj Napoca, Romania.
165. Cristian Moisa, **Lucian Copolovici**, Andreea Lupitu, Dana Copolovici, Post-distillation waste materials – green sources of biological active compounds; *The XIIth edition Environment & Progress*, 15 November 2019, Cluj Napoca, Romania.
166. Monica Taschina, **Lucian Copolovici**, Andreea Lupitu, Cristian Moisa, Dana Copolovici, The influence of residual anti-inflammatory drugs on *Phaseolus vulgaris* L. plants; *The XIIth edition Environment & Progress*, 15 November 2019, Cluj Napoca, Romania.
167. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Dana Copolovici, The volatile organic compounds emission from plants under biotic streses, *Agriculture for Life, Life for Agriculture*, June 4-6, 2020, Bucharest, Romania
168. Ramona Lile, Claudia Mureșan, Sergiu Palcu, Claudiu Ursachi, Florentina Munteanu, Dana Copolovici, Monica Lungu, Andreea Lupitu, Cristian Moisa, Lucian Copolovici, New traditional meat products with added value, *Agriculture for Life, Life for Agriculture*, June 4-6, 2020, Bucharest, Romania.

169. Dana Copolovici, Cristian Moisa, Andreea Lupitu, Lucian Copolovici, Fish protein hydrolysates: production and applications, *Agriculture for Life, Life for Agriculture*, June 4-6, 2020, Bucharest, Romania
170. Cristian Moisa, Dana Copolovici, Andreea Lupitu, Lucian Copolovici, Functional berry lavender gummy bears rich in phenolic compounds with low sugar content, *Agriculture for Life, Life for Agriculture*, June 4-6, 2020, Bucharest, Romania
171. Silvia Elena Lavinia Moț, Andreea Lupitu, Cristian Moisa, Daniela Moț, Adina Maria Bodescu, Dorina Chambre, Smeurica Schitea, Lucian Copolovici, Dana Maria Copolovici, Chemical analyses and potential applications of plant extracts, *Agriculture for Life, Life for Agriculture*, June 4-6, 2020, Bucharest, Romania
172. Monica Taschina, Dana Copolovici, Andreea Lupitu, Cristian Moisa, Lucian Copolovici, The influence of paracetamol metabolites to plants development, *Agriculture for Life, Life for Agriculture*, June 4-6, 2020, Bucharest, Romania
173. Lucian Copolovici, Corina Popitanu, Cristian Moisa, Andreea Lupitu, Dana Copolovici, The influence of biotics stress on plants metabolites, *The 19th International "Life Sciences for sustainable development"* 24th– 25th September, 2020, Cluj-Napoca, Romania
174. Cristian Moisa, Andreea Lupitu, Dana Copolovici, Lucian Copolovici, The effect of light intensity on the accumulation of secondary metabolites for several medicinal and aromatic plants, *The 19th International "Life Sciences for sustainable development"* 24th– 25th September, 2020, Cluj-Napoca, Romania
175. Dana Maria Copolovici, Adriana Csakvari, Dana G. Radu, Cristian Moisa, Georgeta Pop, Dorina Chambre, Andreea I. Lupitu, Lucian Copolovici, Green synthesis, chemical and biological properties of silver nanoparticles from *Cannabis sativa* leaf extracts, *The 19th International "Life Sciences for sustainable development"* 24th– 25th September, 2020, Cluj-Napoca, Romania
176. Andreea I. Lupitu, Cristian Moisa, Dana Maria Copolovici, Lucian Copolovici, The effect of drought stress on the photosynthetic parameters of *Ocimum basilicum* L., *The 19th International "Life Sciences for sustainable development"* 24th– 25th September, 2020, Cluj-Napoca, Romania
177. Maria Chifor, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Sergiu Palcu, Claudia Mureșan, Lucian Copolovici, Improving the sensory and chemical characteristics of fruit spirits by macerating dehydrated fruits, *The 19th International "Life Sciences for sustainable development"* 24th– 25th September, 2020, Cluj-Napoca, Romania

178. Cristian Moisa, Andreea Lupitu, Lucian Copolovici Dana Copolovici, Obtaining plant-based reagents from natural waste materials for green synthesis applications, *The 19th International "Life Sciences for sustainable development"* 24th– 25th September, 2020, Cluj-Napoca, Romania
179. Cristian Moisa, Andreea I. Lupitu, Lucian Copolovici, Dana M. Copolovici, The effect of abiotic stress on recovering plant-based reagents from waste materials for green synthesis applications, *International Webinar on Advances in Physics, Chemistry, Mathematics, Computer Sciences & Biological Sciences, CONIAPS XXVI*, 18-20 Dec 2020, Kottayam, Kerala, India.
180. Cristian Moisa, Andreea I. Lupitu, Adriana Csakvari, Dana G. Radu, Leonard Marian Olariu, Georgeta Pop, Dorina Chambre, Lucian Copolovici, Dana Copolovici, Green synthesis of silver nanoparticles mediated by plant by-product extracts, *23rd International Conference on Biophotonics and Nanotechnology, ICBN 2021*, 21-22 January, 2021, Amsterdam, the Netherlands.
181. Cristian Moisa, Andreea I. Lupitu, Lucian Copolovici, Dana M. Copolovici, Eco-friendly plant-based reagents for green synthesis applications, *10th International Conference "Agriculture for Life, Life for Agriculture"*, 3-5 June 2021, Bucuresti, Romania.
182. Cristian Moisa, Andreea Lupitu, Lucian Copolovici, Dana Copolovici, Green synthesis and characterisation of silver nanoparticles obtained from post-distillation wastes and hydrolats, *The 20th International Conference "Life Sciences for Sustainable Development"*, 23th– 25th Septembrie 2021, Cluj-Napoca, Romania.
183. Cristian Moisa, Andreea Lupitu, Lucian Copolovici, Dana Copolovici, Green synthesis of silver nanoparticles obtained from recovered secondary metabolites, *3rd International Baku Scientific Research Congress*, 15-16 October 2021, Baku Eurasia University, Baku, Azerbaijan.
184. Cristian Moisa, Andreea I. Lupitu, Adriana Csakvari, Dana Radu, Dorina Chambre, Lucian Copolovici, Dana Maria Copolovici, Silver nanoparticles mediated by natural extracts recovered from wastes and by-products, *XVIIth International Symposium PRIOCHEM 2021*, 27-29 octombrie 2021, Bucuresti, Romania.
185. Cristian Moisa, Andreea Lupitu, Lucian Copolovici, Dana Copolovici, Distilled Biomass, A Sustainable Resource For Extracting Bioactive Compounds For Green Synthesis, *Ahi Evran International Conference on Scientific Research*, 30 November-1-2 December 2021, Ahi Evran, Turkey.

186. Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici, The effect of antagonist abiotic stress on the photosynthetic parameters of *Ocimum basilicum* L., *International Conference on Agriculture for Life, Life for Agriculture*, 3-5 June 2021, Bucharest.
187. Andreea Tepeneu, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici, The determination of volatile organic compounds in the shops, *International Conference on Agriculture for Life, Life for Agriculture*, 3-5 June 2021, Bucharest.
188. Andreea I. Lupitu, Cristian Moisa, Dana M. Copolovici, Lucian Copolovici, The effect of antagonist abiotic stress on the photosynthetic parameters of *Salvia officinalis* L. plants, *Life sciences for sustainable development*, 23-24 September 2021, Cluj Napoca.
189. Andreea I. Lupitu, Cristian Moisa, Dana Maria Copolovici, Lucian Copolovici, The effect of drought-flooding stress on secondary metabolites of *Ocimum basilicum* L., *3th International Baku Scientific Research Congress*, 15-16 October 2021, Baku, Azerbaijan.
190. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Dana Copolovici, The impact of CO₂ increase on plants secondary metabolites, *Annual Congress on Plant Biology & Plant Breeding*, 27-28 August 2021, Amsterdam, Netherlands.
191. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Simona Gavrilas, Virgiliu Ciutina, Dana Copolovici, The Climate-Changing Influence On *Brassicaceae* Plants Secondary Metabolites *3th International Baku Scientific Research Congress*, 15-16 October 2021, Baku Eurasia University, Baku, Azerbaijan.
192. Claudia Muresan, Cristian Moisa, Andreea Lupitu, Dana Copolovici, Sergiu Palcu, Lucian Copolovici, Chemical characteristics and sensory evaluation of fruit spirits with adding dehydrated fruits, *3th International Baku Scientific Research Congress*, 15-16 October 2021, Baku Eurasia University, Baku, Azerbaijan.
193. Cristian Moisa, Adriana Csakvari, Dana Radu, Andreea Lupitu, Leonard Olariu, Georgeta Pop, Dorina Chambre, Lucian Copolovici and Dana Maria Copolovici, *Cannabis sativa* Leaves Extracts Mediated the Obtaining of Silver Nanoparticles Products for Potential Biological Applications, *Webinar on Traditional & Alternative Medicine*, 23-25 May 2021, Greenville, USA.
194. Simona Gavrilas, Andreea Lupitu, Cristian Moisa, Virgiliu Ciutina, Dana Copolovici, Lucian Copolovici, The response of plants from *Brassicaceae* family to elevated carbon dioxide, *11th International Conference on Environment Science and Engineering (ICESE 2021)*, 11-13 September 2021, Viena, Austria

195. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Dana Copolovici, The Influence of Climate Changing on Plants, *10th International Conference "Agriculture for Life, Life for Agriculture"*, 3 – 5 June 2021, București, Romania.
196. Dana Copolovici, Silvia Elena Lavinia Moț, Andreea Lupitu, Cristian Moisa, Maria Daniela Moț, Adina Maria Bodescu, Dorina Chambre, Lucian Copolovici, Applications of Plant Extracts, *10th International Conference "Agriculture for Life, Life for Agriculture"*, 3 – 5 June 2021, București, Romania.
197. Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Ionela Ciurel, Virgiliu Ciutina, Dana Copolovici, The Influence of Elevated Carbon Dioxide on Plants Photosynthesis and Secondary Metabolites, *The 20th International Conference, "Life Sciences For Sustainable Development"*, 23 – 24 September 2021, Cluj-Napoca, Romania.
198. Dana Maria Copolovici, Cristian Moisa, Andreea Lupitu, Silvia Elena Mot and Lucian Copolovici, Hydrolates for Food and Health Applications, *The 20th International Conference, "Life Sciences For Sustainable Development"*, 23 – 24 September 2021, Cluj-Napoca, Romania.
199. Andreea Tepeneu, Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici, The volatile organic compounds profile and particulate matter analysed from a local department store, *The 20th International Conference, "Life Sciences For Sustainable Development"*, 23 – 24 September 2021, Cluj-Napoca, Romania.
200. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Virgiliu Ciutina, Dana Copolovici, The Volatile Organic Compounds Emission from Plants in the Future Climate, *Ahi Evran International Conference on Scientific Research*, 30 November – 1-2 December, 2021, Kırşehir Ahi Evran University, Ankara, Turkey.
201. Dana Copolovici, Andreea Lupitu, Cristian Moisa, Lucian Copolovici, Plant Extracts and Their Biomolecules, *Ahi Evran International Conference on Scientific Research*, 30 November – 1-2 December, 2021, Kırşehir Ahi Evran University, Ankara, Turkey.
202. Andreea Tepeneu, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici, The volatile organic compounds profile, particulate matter and carbon dioxide analysed from a local department store, *Al Farabi International Congress on Applied Sciences –III*, November 16-17, 2021 Malatya, Turkey.
203. Cristian Moisa, Andreea I. Lupitu, Adriana Csakvari, Dana Radu, Dorina Chambre, Lucian Copolovici, Dana Maria Copolovici, Silver Nanoparticles Products for Potential Biological

Applications, *The 13rd Edition of New Trends and Strategies in the Chemistry of Advanced Materials in Biological Systems, Technique and Environmental Protection*, Timișoara, Romania, 5-6 Octombrie 2021.

204. Roxana-Mariana Beiu, Mihaela Dochia, Lucian Copolovici, Corina Mnerie, , Andrea-Claudia Beiu, Virgil-Florin Duma, George M. Dobre, Adrian Bradu, Adrian G. H. Podoleanu, Optical coherence tomography versus microscopy for the study of *Aloe vera* leaves, *Optics, Photonics and Digital Technologies for Imaging Applications VII*, 6 - 7 April 2022, Timisoara, Romania.

205. Cristian Moisa, Andreea Lupitu, Lucian Copolovici, Dana Copolovici, Green Synthesis of Silver and Gold Nanoparticles Using Extracts Recovered from Distillate Biomass, *International Conference on Agriculture for Life, Life for Agriculture*, 2-4 June 2022, Bucharest.

206. 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.

207. Lucian Copolovici, Andreea Lupitu, Cristian Moisa, Dana Copolovici, The Influence Of Elevated Carbon Dioxide On Plants Drought Tolerance, *International Conference on Agriculture for Life, Life for Agriculture*, 2-4 June 2022, Bucharest.

208. Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici, Extreme Temperatures Responses of *Ocimum basilicum* L. Plants, *International Conference on Agriculture for Life, Life for Agriculture*, 2-4 June 2022, Bucharest.

209. Andreea Tepeneu, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici, A Long Term Monitoring of Volatile Organic Compounds Particulate Matter, Carbon Dioxide and Formaldehyde in a General Shop, *International Conference on Agriculture for Life, Life for Agriculture*, 2-4 June 2022, Bucharest.

210. Dana Copolovici, Carmen Popa, Andreea Lupitu, Marilena Maereanu, Dorina Chambre, Cristian Moisa, Lucian Copolovici, Enzymatic Fish Protein Hydrolysates, *International Conference on Agriculture for Life, Life for Agriculture*, 2-4 June 2022, Bucharest.

211. Lucian Copolovici, New methods for determination of secondary metabolites, *International Scientific Events: Materials, Methods & Technologies*, 19-22 August 2022 Burgas, Bulgaria.

212. 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.

213. 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.

214. Dana Maria Copolovici, Cristian Moisa, Andreea Ioana Lupitu, Lucian Copolovici, Peptide applications in biotechnology and biomedicine, *The 21st International Conference "Life Sciences for Sustainable Development"*, 15th– 17th September, 2022, Cluj-Napoca, Romania.

215. Andreea Lupitu, Cristian Moisa, Virgiliu Ciutină, Mihaela Dochia, Dana Copolovici, Lucian Copolovici, *Salicaceae* plants responses to climate change and rising carbon levels, *The 21st International Conference "Life Sciences for Sustainable Development"*, 15th– 17th September, 2022, Cluj-Napoca, Romania.

216. Denisa Peteleu, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici, The influence of elevated carbon dioxide and ozone stress on red cabbage plants, *The 21st International Conference "Life Sciences for Sustainable Development"*, 15th– 17th September, 2022, Cluj-Napoca, Romania.

217. Cristian Moisa, Andreea Lupitu, Lucian Copolovici, Dana Maria Copolovici, Cell-penetrating antimicrobial peptides, *The 21st International Conference "Life Sciences for Sustainable Development"*, 15th– 17th September, 2022, Cluj-Napoca, Romania.

218. Lucian Copolovici, Andreea Ioana Lupitu, Cristian Moisa, Dana Maria Copolovici, Design of Potential Cell-Penetrating Peptides for Anti-cancer Therapy, *2th Edition of the OncoHub Conference*, 21 - 23 September 2022, Poiana Braşov.

219. Dana Maria Copolovici, Ana-Maria Toloş, Carmen Popa, Cristian Moisa, Andreea Lupitu, Silvia Elena Mot, Lucian Copolovici, Cell-Penetrating Peptides, *A XXXVI Conferinţa Naţională de Chimie*, 4-7 octombrie 2022, Calimanesti-Caciulata.

220. 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 Conferinţa Naţională de Chimie*, 4-7 octombrie 2022, Calimanesti-Caciulata.

221. Cristian Moisa, Andreea Lupitu, Lucian Copolovici, Dana Maria Copolovici, Natural and synthetic cell penetrating antimicrobial peptides, *A XXXVI Conferința Națională de Chimie*, 4-7 octombrie 2022, Calimanesti-Caciulata.
222. Andreea Lupitu, Cristian Moisa, Virgiliu Ciutină, Mihaela Dochia, Dana Copolovici, Lucian Copolovici, The impact of climate change and increased carbon on the plants from *Salicaceae* family, *A XXXVI Conferința Națională de Chimie*, 4-7 octombrie 2022, Calimanesti-Caciulata.
223. Denisa Peteleu, Andreea Lupitu, Cristian Moisa, Virgiliu Ciutină, Dana Copolovici, Lucian Copolovici, The influence of the elevated carbon dioxide and ozone on the plants stress tolerance, *A XXXVI Conferința Națională de Chimie*, 4-7 octombrie 2022, Calimanesti-Caciulata.
224. 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.
225. 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.
226. Dana-Maria Copolovici, Carmen Popa, Ana-Maria Toloș, Cristian Moisă, Andreea Lupitu, Silvia Elena Moț, Lucian Copolovici, Antimicrobial cell-penetrating peptides, *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.
227. Denisa Peteleu, Andreea Lupitu, Cristian Moisa, Virgiliu Ciutină, Dana Copolovici, Lucian Copolovici, The impact of high carbon dioxide and ozone on plants tolerance to stress, *International Conference and XXXIX Scientific Session of the Romanian Society for Cell Biology (RSCB)* 21st-23rd October 2022, Cluj-Napoca.
228. 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.

229. 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.
230. Andreea Lupitu, Cristian Moisa, Dana Copolovici, Lucian Copolovici, The effects of rising carbon levels and climate change on plants in the family *Salicaceae*, *International Conference and XXXIX Scientific Session of the Romanian Society for Cell Biology (RSCB)* 21st-23rd October 2022, Cluj-Napoca.
231. Moisa Cristian, Andreea Lupitu, Lucian Copolovici, Dana Copolovici, Green synthesis mediated by secondary metabolites extracted from stressed plants, *International Conference and XXXIX Scientific Session of the Romanian Society for Cell Biology (RSCB)* 21st-23rd October 2022, Cluj-Napoca.
232. Dana Maria Copolovici, Cristian Moisa, Andreea Ioana Lupitu, Lucian Copolovici, Cell-penetrating peptides as non-viral vectors of therapeutics, *International Conference and XXXIX Scientific Session of the Romanian Society for Cell Biology (RSCB)* 21st-23rd October 2022, Cluj-Napoca.
233. Ana-Maria Tolos, Carmen Popa, Cristian Moisa, Andreea Ioana Lupitu, Mihaela Dochia, Dorina Chambre, Dana G. Radu, Lucian Copolovici, Dana Maria Copolovici, Mechanisms and applications of cell-penetrating peptides, *International Conference and XXXIX Scientific Session of the Romanian Society for Cell Biology (RSCB)* 21st-23rd October 2022, Cluj-Napoca.
234. Cristian Moisa, Andreea I. Lupitu, Dorina Chambre, Lucian Copolovici, Dana Maria Copolovici, Synthesis of gold nanoparticles from lavender biomass as a sustainable resource, *The XVIIIth International Symposium PRIOCHEM "Priorities of Chemistry for a Sustainable Development"*, October 26-28, 2022, Bucharest.
235. Gavrilăș Simona, Lupitu Andreea, Moisă Cristian, Bortăș 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.
236. 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.

237. Simona Gavrilas, Andreea Lupitu, Cristian Moisă, Flavia Borteș, Denisa Peteleu, Dana Copolovici, Lucian Copolovici, The Influence of Both Elevated Carbon Dioxide and Drought on Plants Polyphenols, *4th International Environmental Chemistry (EnviroChem) Congress*, 30 October-2 November 2022, Antalya, Turkey.

238. Andreea Tepeneu, Lucian Copolovici, Cristian Moisa, Andreea Lupitu, Dana Copolovici, Analysing the concentrations of carbon dioxide, formaldehyde, and volatile organic compounds in a general store, *4th International Baku Conference on Scientific Research*, November 30 - December 01, 2022, Baku, Azerbaijan.

239. Andreea Lupitu, Cristian Moisă, Adina-Alina Căpățînă, Dana Copolovici, Lucian Copolovici, The effects of climate change and rising carbon levels on species in the family *Salicaceae*, *Environment & Progress*, 18 – 19 Mai 2023, Cluj-Napoca, România

240. 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

241. Dana Maria Copolovici, Cristian Moisa, Andreea Lupitu, Corina Popitanu, Lucian Copolovici, Influence of biotic stress on urban plants metabolites, *Environment & Progress*, 18 – 19 Mai 2023, Cluj-Napoca, România

242. 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

243. 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

244. 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

245. 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.

246. Flavia Bortes, Ioana Margarit, Cristian Moisa, Andreea Lupitu, Dana Copolovici, Virgiliu Ciutina, Lucian Copolovici, The synergic effect of high temperature and elevated carbon dioxide on cauliflower plants, *International Conference on Agriculture for Life, Life for Agriculture*, 8-10 June 2023, Bucharest.
247. Andreea Lupitu, Cristian Moisa, Dana Maria Copolovici, Lucian Copolovici, The impact of *Eurydema ventralis* on cauliflower (*Brassica oleracea* var. *botrytis*) grown at different CO₂ concentrations, *International Conference on Agriculture for Life, Life for Agriculture*, 8-10 June 2023, Bucharest.
248. Dana Copolovici, Dana Gina Radu, Cristian Moisa, Andreea Ioana Lupitu, Lucian Copolovici, New Antimicrobial Peptides with Potential Applications in Biotechnology, *International Conference "Agriculture for Life, Life for Agriculture"*, Bucharest, Romania, 8-10 June 2023.
249. Cristian Moisa, Andreea Ioana Lupitu, Lucian Octav Copolovici, Dana Maria Copolovici, Antimicrobial Cell-Penetrating Peptides, *International Conference "Agriculture for Life, Life for Agriculture"*, Bucharest, Romania, 8-10 June 2023.
250. 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.
251. 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.
252. Dana Maria Copolovici, Andreea Gostăviceanu, Carmen Popa, Cristian Moisa, Andreea Ioana Lupitu, Oana Gavriluc, 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.
253. 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.

254. 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
255. 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
256. 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.
257. 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.
258. Andreea Gostăviceanu, Simona Gavrilaș, Lucian Copolovici, Dana Maria Copolovici, Membrane Active Peptides and Their Potential Biomedical Application – A Review, *The 22nd International Conference "Life Sciences for Sustainable Development"*, Cluj-Napoca, Romania, 28th– 30th September, 2023.
259. 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.
260. Dana Maria Copolovici, Dana Gina Radu, Cristian Moisa, Andreea Ioana Lupitu, Oana Gavriliuc, 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.
261. Lucian Copolovici, Dana Gina Radu, Cristian Moisa, Andreea Ioana Lupitu, Andreea Gostăviceanu, Dorina Chambre, Simona Gavrilaș, Dana Maria Copolovici, Antimicrobial peptides

with applications in medicine, *Sorrento 2013 – Sorrento 2023: A Decade of Peptide Materials*, Sorrento, Italy, 26-28th October 2023.

262. 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.

263. 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.

264. 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.

265. 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.

266. 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.

267. 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.

268. Florina Copaciu, Arianna Gonzalez-Popita, Rodica Sima, Lucian Copolovici, Monica Nan, Chromatographic Analysis of Monoterpenes in Tomato and Pepper Plants after Silica Nanoparticles Treatment and UV-B Exposure, *27th International Symposium on Separation Sciences*, Cluj-Napoca, Romania, September 24th-27th 2023.

269. Florina Copaciu, Arianna Gonzalez-Popita, Rodica Sima, Lucian Copolovici, Andrea Bunea, Silica Nanoparticles Promote Tomato Plants Growth by Mediating Foliage Photosynthesis and Photosynthetic Pigments, *27th International Symposium on Separation Sciences*, Cluj-Napoca, Romania, September 24th-27th 2023.
270. Lucian Copolovici, Exploring the effects of climate change on biotic stress factors in plants, *Environment & Progress*, 13 – 15 Iunie 2024, Cluj-Napoca, România.
271. Lorena Aliana Cioban, Alexandru Bogdan, Lucian Copolovici, Dana Copolovici, Dorina Chambre, FTIR-ATR spectral analysis of medieval bricks, *Environment & Progress*, 13 – 15 Iunie 2024, Cluj-Napoca, România.
272. Lorena Aliana Cioban, Alexandru Bogdan, Lucian Copolovici, Dana Copolovici, Dorina Chambre, Spectrophotometric characterization of weathering compounds on historical buildings, *Environment & Progress*, 13 – 15 Iunie 2024, Cluj-Napoca, România.
273. 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.
274. 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.
275. 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.
276. 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.
277. 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.

278. 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.
279. 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.
280. 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.
281. 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.
282. 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.
283. Simona Perța-Crișan, Florentina-Daniela Munteanu, Iolanda Tolan, Bianca-Denisa Chereji, Dumitru Condrat, Lucian Copolovici, Claudiu Ștefan Ursachi, Partial substitution of pork fat with beeswax oleogels for improving the nutritional value of dry fermented sausages, *The 23rd International Conference "Life Sciences for Sustainable Development"*, 26th– 28th September 2024, Cluj-Napoca, Romania.
284. 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.
285. 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.

Arad, 30.09.2024

Prof. Dr. Habil. Lucian Copolovici