

Lista publicatiilor

Prof. Dr. Habil. Lucian Copolovici

a) WOS articles

1. **Lucian Copolovici**, Ioan Bâldea, Kinetic Determination of Aromatic Amines at Millimolar Level, *Anal. & Bioanal. Chem.*, **2002**, 374, 13-16 (I.F. = 3.286).
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. = 1.605).
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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. = 1.605).
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. = 1.605).
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8. **Lucian Copolovici**, Iolanda Filella, Joan Llusià, 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. = 6.305).
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. = 5.108).

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. = 5.108).
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. = 0.930).
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. = 0.347).
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. = 0.347).
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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. = 2.393).
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19. **Lucian Copolovici**, Astrid Kannaste, Ulo Niinemets, Gas chromatography-mass spectrometry method for determination of monoterpene and sesquiterpene emissions from stressed plants, *Studia Univ. Babeş-Bolyai, Chem.*, **2009**, 54, 329-333 (I.F. = 0.275).
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25. **Lucian Copolovici**, Astrid Kannaste, Triinu Rimmel, 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. = 2.447).
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. = 3.126).
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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. = 2.825).
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. = 5.668).

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. = 8.880).
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. = 2.172).
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. = 4.527).
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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. = 3.477).
36. Magdalena Tomás, Jaime 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. = 5.360).
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. = 3.712).
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. = 4.106).

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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. = 2.776).
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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. = 3.477).
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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. = 1.252).
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47. **Lucian Copolovici**, Ulo Niinemets, Temperature dependencies of Henry's law constants for different plant sesquiterpenes, *Chemosphere*, **2015**, 138, 751-757 (I.F. = 5.108).
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. = 1.774).

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. = 5.624).
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. = 5.589).
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 DOI: 10.1021/acs.est.6b02800 (I.F. = 7.149).
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. = 0.504).
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. = 3.712).
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. = 1.605).
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. = 1605).
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. = 1.605).

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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. = 1.605).
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. = 2.776).

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. = 4.011).
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. = 1.605).
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69. Vito Lippolis, Massimiliano, 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. = 3.201).
70. 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, MnO₂ nanocatalyst used for biofuel production from vegetable oil, *Waste Biomass Valorization*, **2019**, in press (I.F. = 2.358).
71. 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, *Farmacia*, **2019**, in press (I.F. = 1.527).

Nota: I.F. = Factor de Impact in accord cu ISI Thompson Citation Report 2018

b) WOS proceedings articles

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.

c) IDB articles

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. Babeş-Bolyai, Chem.*, **2000**, 45, 119-138.

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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.

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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.
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