



Lucian Octav Copolovici

Date of birth: 13/08/1976 | **Nationality:** Romanian | **Gender:** Male | **Phone number:**

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Address: St. Săvârșin, nr.8, bloc 174, ap.8, 310288, Arad, Romania (Home)

WORK EXPERIENCE

01/10/2014 – CURRENT Arad, Romania

PROFESSOR FACULTY OF FOOD ENGINEERING, TOURISM AND ENVIRONMENTAL PROTECTION, "AUREL VLAICU" UNIVERSITY

Lectures, courses and seminars in environmental and food engineering
Scientific research in environmental science and engineering, food engineering

17/01/2017 – CURRENT Arad, Romania

DIRECTOR INSTITUTE FOR INTERDISCIPLINARY RESEARCH, "AUREL VLAICU" UNIVERSITY

Coordination of all scientific research activities of IDR
Supporting the activity of applying proposals for grants and contracts for scientific research under national and international programs as well as in collaboration with the socio-economic environment

01/10/2014 – 30/09/2019 Cluj-Napoca, Romania

ASSOCIATE PHD SUPERVISOR AT THE DOCTORAL SCHOOL OF ENVIRONMENTAL SCIENCE FACULTY OF ENVIRONMENTAL SCIENCE AND ENGINEERING, BABEȘ-BOLYAI UNIVERSITY

Supervision and coordination of PhD students in environmental science

01/10/2012 – 30/09/2014 Arad, Romania

SENIOR RESEARCHER II ICDISTN, "AUREL VLAICU" UNIVERSITY

Scientific research in the natural sciences
Chromatography and natural sciences laboratory manager

01/10/2011 – 01/10/2013 Tartu, Estonia

SENIOR RESEARCHER DEPARTMENT OF PLANT PHYSIOLOGY, ESTONIAN UNIVERSITY OF LIFE SCIENCE

Coordination of natural science research laboratories

01/10/2007 – 30/09/2011 Tartu, Estonia

RESEARCHER DEPARTMENT OF PLANT PHYSIOLOGY, ESTONIAN UNIVERSITY OF LIFE SCIENCE

Scientific research in natural sciences (plant physiology, chromatography, secondary metabolites)

01/07/2006 – 30/09/2007 Cluj-Napoca, Romania

POSTDOCTORAL RESEARCHER FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING, BABEȘ-BOLYAI UNIVERSITY

Synthesis and characterization of biologically active compounds with Se and Te

01/04/2005 – 31/03/2006 Ghent, Belgium

POSTDOCTORAL RESEARCHER GHENT UNIVERSITY, DEPARTMENT OF ANALYTICAL CHEMISTRY, INSTITUTE OF NUCLEAR SCIENCE

Scientific research in atmospheric chemistry

01/07/2004 – 30/01/2005 Tartu, Estonia

RESEARCHER DEPARTMENT OF PLANT PHYSIOLOGY, TARTU UNIVERSITY

Scientific research in natural sciences (plant physiology, chromatography, secondary metabolites)

● EDUCATION AND TRAINING

18/09/2018

HABILITATION IN ENVIRONMENTAL ENGINEERING (OMEN 5506/14.11.2018)

20/02/2014

HABILITATION IN ENVIRONMENTAL SCIENCE (OM 166/07.04.2014)

01/11/1999 – 12/12/2003 Cluj-Napoca, Romania

PH. D. IN CHEMISTRY "Babes-Bolyai" University

Level in EQF EQF level 8

01/10/1998 – 30/06/1999 Cluj-Napoca, Romania

M.SC. IN APPLIED ELECTROCHEMISTRY Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University

Level in EQF EQF level 7

01/10/1994 – 30/06/1998 Cluj-Napoca, Romania

B.SC. IN PHYSICAL CHEMISTRY Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University

Level in EQF EQF level 6

15/09/1990 – 30/06/1994 Turda, Romania

BACCALAUREATE "Mihai Viteazul" National College, Turda

Level in EQF EQF level 4

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C2	C1
RUSSIAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● MANAGEMENT AND LEADERSHIP SKILLS

Member in CNATDCU – Environmental Engineering Commission (2016-2020; 2024-present)

Member in Senate (2016-present)

Member in Interdisciplinary Doctoral School Council (2019-present)

Specialist - Advisory College for Research-Development and Innovation (ACRDI) - Commission 2. Energy, Environment and Climate Change

Project director

Grant European Science Foundation Determination of monoterpene physico-chemical characteristics, Reference number 815

Grant European Science Foundation Sesquiterpene emission from plants induced by stress conditions, Reference number 1838

Estonian Science Foundation Physico-chemical traits of and signalling by volatile compounds Grant JD 101 (valoare 75.415 EUR).

Grant PNII-RU-TE-2011-3-0022 Emission of volatile compounds from Betulacea and Fagacea elicited during biotic and abiotic stresses (valoare 920.000 RON).

Project CNFIS-FDI -2018-0347, "Distillation pilot scale laboratory for students practice" (value 275.660 RON).

Project CNFIS-FDI -2019-0150, "Pilot scale laboratory for processing meat products", (value 246.000 RON)

Project CNFIS FDI 2020-0178, "Laboratory to assess the quality of the environment for student practice", (value 260.000 RON)

Project PN-III-P4-ID-PCE-2020-0410, Impact of abiotic and biotic stresses on plants due to climate change (value 1.198.000 RON)

Project CNFIS-FDI 2022-0274, Laboratory of kinetotherapy and complementary therapies for student practice, (value 213.000 RON)

Project CNFIS-FDI-2023-F-0313, Laboratory for the evaluation of the quality and nutritional properties of food products for student practice, (value 234.000 RON)

Project PN-IV-P8-8.3-ROMD-2023-0022, Impact of different habitats and abiotic stress factors on plant metabolites of the genera Galium and Helichrysum, (value 477.500 RON) 2024-2026

Mentor

PN-III-P1-1.1-PD-2016-0484, Postdoctoral research project „Evaluarea influenței medicamentelor antiinflamatoare nesteroidiene asupra caracteristicilor fiziologice și metaboliților secundari din legumele autohtone”, Director. CS III Dr. Ocsana Opris

PN-III-P1-1.1-PD-2019-0349, Postdoctoral research project „Influența factorilor abiotici asupra caracteristicilor fiziologice și a metaboliților secundari din plante aromatice”, Director CS III Dr. Andreea Lupitu

Member in management team

Proiect POSCCE- O.2.2.1, 621/2014 Research Center in Natural and Technical Sciences, 2014-2015, Director CS I Dr. Cecilia Sirghie (valoare 15.000.000 RON).

Proiect POC, 30/2016, New NANO-Architectures Biologically Inspired of Celular type for Integrated Circuits, 2016-2020, Director Prof. Dr. Valeriu Beiu (valoare 9.338.000 RON).

Proiect POC, Centru de cercetare in bio-eco-economie sustenabila, 2021-2023, Director: Ramona Lile, (valoare 35.000.000 RON)

Project team member

1. Kinetic methods for organic compounds and heavy metal, kinetic studies for substances with biological activities and oxidation process. Grant CNCSIS, 2000-2002, Director: Prof. Dr. Ioan Baldea
2. Polymethynicdyes. Kinetic and spectral studies, Grant CNCSIS 2002-2004. Director: Conf. Dr. Ioan Panea
3. Kinetic studies used in hydrocarbons oxidation and kinetic methods, Grant CNCSIS 2001. Director: Lect. Dr. Claudia Muresanu
4. Chemical systems for analytical application, Grant CNCSIS 2001-2003. Director: Lect. Dr. Alexandra Rustoiu-Csavdari
5. Kinetic-mathematics modelling of complex reactions, Grant CNCSIS, 2002-2004, Director: Prof. Dr. Ioan Bâldea

6. Characterisation and sources of carbonaceous atmospheric aerosols, SPO contract no. EV/02/11A, Director: Prof. Dr. Willy Maenhaut
7. Organomercury, organoselenium and organotellurium hypervalent compounds - synthesis, structural characterisation in solution and solid state, reactivity, Project CEEEX 19, mod 2, - postdoctoral researcher, 2006-2008, Director: Prof. Dr. Cristian Silvestru
8. Functional relations between plant structure and physiological activity, Science Foundation Grant, 2005 – 2007, Director: Dr. Katja Huve
9. Constitutive and induced emission of volatile isoprenoids in forest trees, Estonian Science Foundation Grant 7645, 2008 – 2011, Director: Prof. Dr. Ulo Niinemets
10. Plant stress ecophysiology, Estonian Science Foundation Grant, 2007 – 2012, Director: Prof. Dr. Ulo Niinemets
11. Induction of plant VOC emission by biotic and abiotic stresses and consequences for community ecology: a multidisciplinary approach (A-BIO-VOC), EUROCORES / EUROVOL, 2011- 2014, Director: Prof. Dr. Ulo Niinemets
12. Bast Plants – strategic renewable resources for european economy Proiect POS CCE contract no 210/2010, 2012-2013, Director: Prof. Dr. Ryszard M. Kozlowski
13. Inchiderea lanțurilor de valoare din bioeconomie prin obținerea de bioproduse inovative cerute de piață PROSPER, Proiect PN-III-P1-1.2-PCCDI-2017-0569, Director: CS I Dr. Florin Oancea
14. Cell-penetrating peptides-containing systems as a potential platform for the use in breast and prostate cancer treatment, Proiect PN-III-P4-PCE-2021-0639, 2022-2024, Director: Prof. Dr. Habil. Dana Copolovici

● **DIGITAL SKILLS**

Origin | NIST Privacy Framework | Microsoft Office | Internet user | GraphPad Prism (basic knowledge)

● **DRIVING LICENCE**

Driving Licence: B

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication skills

Good communication skills gained through my experience as speaker at different international conferences

Other skills

Spectrometry (UV/VIS, IR, diode array spectrophotometer), potentiometry, sensors, gas chromatography (FID, MS), ionic chromatography, liquid chromatography, PTR-MS, NMR, Schlenk techniques, gas-exchange techniques.

● **HONOURS AND AWARDS**

2023

Best poster presentation – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania

2006

Best presentation award – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania

2019

Best presentation award – ICABBBE, Atena, Grecia

2018

Award and Medal of "Gh. Spacu" of the Romanian Chemical Society

2018

USAMVB Award for scientific article

2018

Best poster award Section Biotechnology – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania.

2018

Best poster award Section Food Safety – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania.

2014

Best poster award Section Biotechnology – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania.

● **ADDITIONAL INFORMATION**

Member

Romanian Chemical Society (from 2000), National Society for Environmental Science and Engineering (from 2012) – founding member, Romanian Society of Biochemistry and Molecular Biology (from 2015)

Conferences

More than 280 poster or oral presentations at national and international conferences

Publications

110 articles WOS

7 books

2 book chapters

31 IDB articles

Citations

Over 4000, h index 36 (WOS), 44 (Google Scholar);

Reviewer for

“Annals of Forest Science”, “Environmental Pollution”, “Tree Physiology”, “Atmospheric Environment”, “Biogeosciences”, “PNAS”, “Mini-Reviews in Medicinal Chemistry”, “Science of the Total Environment”, “Journal of Planar Chromatography”, “Anthropod-Plant Interactions”, “Journal of Chemical Engineering”, “Australian Journal Crop Science”, “Textile Research Journal”, “Global Change Biology”, “Food Chemistry”, “Analytical Letters”, PLOS One, Trees, Ecological Letter, etc.

Expert

UEFISCDI, NSF, European Commission (ERC projects), Bulgarian Science Foundation

Member

Member of the editorial Journal of Natural Fibers, Scientific and Technical Bulletin Series Chemistry, Food Science & Engineering, Journal of chemistry, Frontiers in Plant Science

21.01.2026



Publication List

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. = 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. Babeş-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'-biphenanthrone evolution, *Studia Univ. Babeş-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. Babeş-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 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. = 2.3).
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. Lerdau, 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 Opriş, 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).
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