



## Curriculum vitae Europass



### Informații personale

Nume / Prenume **Copolovici Lucian Octav**  
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Naționalitate(-tăți) romana  
Data nașterii 13.08.1976  
Sex masculin

### Experiența profesională

Perioada	Oct 2014-prezent
Funcția sau postul ocupat	Conducator de doctorat asociat la scoala doctorala de Stiinta Mediului
Activități și responsabilități principale	Conducere doctorat
Numele și adresa angajatorului	Facultatea de Stiinta si Ingineria Mediului, Universitatea Babes-Bolyai, Cluj-Napoca
Tipul activității sau sectorul de activitate	Cercetare
Perioada	Oct 2014-prezent
Funcția sau postul ocupat	Profesor
Activități și responsabilități principale	Predare cursuri si activitate de cercetare Ecologie si Protectia Mediului Protectia ecosistemelor Proiect pentru imbunatatirea calitatii mediului
Numele și adresa angajatorului	Facultatea de Inginerie Alimentara, Turism si Protectia Mediului
Tipul activității sau sectorul de activitate	Universitate
Perioada	Oct 2012-Oct 2014
Funcția sau postul ocupat	CS II
Activități și responsabilități principale	Cercetare stiintifica
Numele și adresa angajatorului	Institutul de Cercetare-Dezvoltare-Inovare în Științe Tehnice și Naturale al Universității Aurel Vlaicu, Arad, România
Tipul activității sau sectorul de activitate	Cercetare
Perioada	2011- 2013
Funcția sau postul ocupat	Senior researcher
Activități și responsabilități principale	Cercetare stiintifica
Numele și adresa angajatorului	Department of Plant Physiology, Estonian University of Life Science, Tartu, Estonia
Tipul activității sau sectorul de activitate	Universitate
Perioada	2008-2011

Funcția sau postul ocupat	Researcher
Activități și responsabilități principale	Cercetare stiintifica
Numele și adresa angajatorului	Department of Plant Physiology, Estonian University of Life Science, Tartu, Estonia
Tipul activității sau sectorul de activitate	Universitate
Perioada	2007-2008
Funcția sau postul ocupat	Exceptional researcher
Activități și responsabilități principale	Cercetare stiintifica
Numele și adresa angajatorului	Department of Plant Physiology, Estonian University of Life Science, Tartu, Estonia
Tipul activității sau sectorul de activitate	Universitate
Perioada	2006-2007
Funcția sau postul ocupat	Cercetator postdoctoral
Activități și responsabilități principale	cercetare
Numele și adresa angajatorului	Universitatea Babes-Bolyai, Cluj-Napoca, Romania
Tipul activității sau sectorul de activitate	Universitate
Perioada	2005-2006
Funcția sau postul ocupat	Post-doctoral researcher
Activități și responsabilități principale	cercetare
Numele și adresa angajatorului	Ghent University, Department of Analytical Chemistry, Institute of Nuclear Science, Ghent, Belgium
Tipul activității sau sectorul de activitate	cercetare
Perioada	2004-2005
Funcția sau postul ocupat	Exceptional researcher
Activități și responsabilități principale	cercetare
Numele și adresa angajatorului	Tartu University, Tartu, Estonia
Tipul activității sau sectorul de activitate	Universitate

## **Educație și formare**

Perioada	2014
Calificarea / diploma obținută	abilitare
Disciplinele principale studiate / competențe profesionale dobândite	Știința mediului
Numele și tipul instituției de învățământ / furnizorului de formare	Prin OM 166/07.04.2014
Perioada	1999-2003
Calificarea / diploma obținută	doctor
Disciplinele principale studiate / competențe profesionale dobândite	Științe exacte specialitatea chimie
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Babes-Bolyai, Cluj-Napoca, Romania
Perioada	1998-1999
Calificarea / diploma obținută	Studii aprofundate
Disciplinele principale studiate / competențe profesionale dobândite	Electrochimie aplicata

Numele și tipul instituției de învățământ / furnizorului de formare  
Universitatea Babes-Bolyai, Cluj-Napoca, Romania

Perioada  
1994-1998

Calificarea / diploma obținută  
Licența

Disciplinele principale studiate / competențe profesionale dobândite  
Chimie Fizică

Numele și tipul instituției de învățământ / furnizorului de formare  
Universitatea Babes-Bolyai, Cluj-Napoca, Romania

### Aptitudini și competențe personale

Limba(i) maternă(e)  
Romana

Limba(i) străină(e) cunoscută(e)

Autoevaluare  
Nivel european (\*)

**Limba**

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
B	Engleza	B	Engleza	B	Engleza	B	Engleza	B	Engleza

(\*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

Competențe și aptitudini organizatorice

Director de proiect:

1. *Speciation of water-soluble organic carbon and determination of major water-soluble inorganic species in atmospheric aerosols by means of ion chromatography*. Grant SPO for Est European researchers from Belgium Government, Valoarea de finantare: 20000 EUR,
2. *Determination of monoterpene physico-chemical characteristics*, Grant European Science Foundation, Reference number 815, valoare de finantare 2400 EUR.
3. *Physico-chemical traits of and signalling by volatile compounds*, Estonian Science Foundation Grant JD 101, valoare de finantare 75 415 EUR.
4. *Sesquiterpene emission from plants induced by stress conditions*, Grant European Science Foundation Reference number 1838, valoare de finantare: 3000 EUR .
5. *Compusi volatili emisi de plantele din familiile Betulacea si Fagacea indusi in tipul stresului biotic si abiotic*, Grant PNII-RU-TE-2011-3-0022 , valoare de finantare: 920000 RON

Membru in echipa de proiect la 12 proiecte

Membru in echipa de management

Centru de Cercetare în Științe Tehnice și Naturale, Proiect POSCCE- O.2.2.1, 2014-2015, Director: CS I Dr. Cecilia Sîrghie, valoare de finantare 13 000 000 RON.

Noi nano-arhitecturi de inspirație biologică de tip celular pentru circuite integrate, Proiect POC 30/2016, 2016-2020, Director: Prof. Dr. Valeriu Beiu, valoare de finantare: 9.000.000 RON

Supervizor pentru 7 teze de licență și două de master

Lider al cursului: "Methods and analytical techniques used for measuring Biogenic Volatile Organic Compounds (BVOC) emission from plants"- ATMOSPHERE-BIOSPHERE STUDIES (ABS) master studies la Estonian University of Life Sciences, Tartu, Estonia

Referent pentru UEFISCDI, ANCSI, Bulgaria Science Foundation;

Referent: pentru "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", PLOSOne etc.

Membru in comitetul editorial al Journal of Natural Science, Science PG, Scientific Bulletin of Escorena

Membru senat UAV (din 2016)

Membru CNATDCU in comisia ingineria mediului (din 2016)

Competențe și aptitudini tehnice

Spectrometrie (UV/VIS, IR), cromatografie de gaze (FID, MS), de lichide, de schimb ionic, PTR-MS, RMN, tehnici Schlenk, tehnici de schimb de gaze

Competențe și aptitudini de utilizare a calculatorului	Windows, Open Office, Origin, Prism, NIST, SigmaPlot etc
Permis(e) de conducere	Categoria B
<b>Informații suplimentare</b>	<b>55</b> articole ISI publicate <b>Nr de citari = 686, h index 19</b> <b>100</b> prezentari la conferinte de specialitate (nationale si internationale) <b>7</b> carti <b>2</b> capitole de carte in editura internationala <b>17</b> articole in alte reviste ( <b>12</b> BDI)
<b>Anexa</b>	Lista lucrari publicate

Arad, 08.07.2017

Prof. Dr. Hab. Lucian Copolovici

## Lista publicatiilor

### a) Articole ISI

1. Lucian Copolovici, Ioan Bâldea, Kinetic Determination of Aromatic Amines at Millimolar Level, *Anal. & Bioanal. Chem.*, 2002, 374, 13-16 (I.F. = 3.431).
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. = 1.232).
3. Claudia Muresanu, Lucian Copolovici, Kinetic Method for Acetylsalicylic Acid Determination Based on its Inhibitory Effect Upon Catalytic Decomposition of H<sub>2</sub>O<sub>2</sub>, *Anal. & Bioanal. Chem.*, 2004, 318, 1868-1872 (I.F. = 3.431).
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. = 1.232).
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. = 1.232).
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. = 1.232).
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. = 6.456).
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. = 4.208).
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. = 4.208).
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. = 4.099).
12. Lucian Copolovici, Richard A. Varga, Vito Lippolis, Cristian Silvestru, Bis(tetraphenyl-imido-diphosphine acid) tri-iodide, *Acta Crystallogr.*, 2007, E63, o4206-o4207.
13. Lucian Copolovici, Vilma Bojan, Cristian Silvestru, Richard A. Varga, 1-Bromo-2,6-bis(N-methylpiperazinylmethyl)benzene, *Acta Crystallogr.*, 2007, E63, o4323.
14. Lucian Copolovici, Vilma Bojan, Cristian Silvestru, Richard A. Varga, 1-Bromo-2,6-bis(N-morpholinylmethyl)benzene, *Acta Crystallogr.*, 2007, E63, o4570.
15. Lucian Copolovici, Ioan Baldea, Kinetics of the Phenol Oxidation by Permanganate in Acidic Media, *Rev. Roum. Chem.*, 2007, 52, 1045 – 1050 (I.F. = 0.246).
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. = 2.106).
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. = 6.456).
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. = 6.198).
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. = 0.224).
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. = 6.173).
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. = 3.361).
22. Lucian Copolovici, Ioan Baldea, Kinetics of the phenol oxidation by permanganate in acidic media. The intermediate oxidized species 4,4'-biphenol evolution, *Studia Univ. Babeş-Bolyai, Chem.*, 2010, 55(2), 155-167 (I.F. = 0.244).
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. = 0.244).
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. = 3.318).
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. = 2.385).
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 Jarvelja, Estonia, *Forest Ecology and Management*, 2011, 262, 71-81. (I.F. = 3.064).

27. Ülo Niinemets, Uwe Kuhn, Peter C. Harley, Michael Staudt, Almut Arneith, 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. = 3.851).
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. = 1.899).
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. = 3.121).
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. = 5.318).
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 CO<sub>2</sub> concentration, *Global Change Biology*, 2012, 18, 3423–3440 (I.F. = 8.502).
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. = 1.834).
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. = 3.743).
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. = 1.702).
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. = 3.653).
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 CO<sub>2</sub> across species: quantitative limitations and scaling up by models, *Journal of Experimental Botany*, 2013, 64, 2269-2281 (I.F. = 5.83).
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. = 4.369).
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. = 4.298).
39. Lucian Copolovici, Astrid Kännaste, Triinu Remmel, 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. = 4.369).
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. = 2.806).
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. = 3.121).
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. = 3.653).
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. = 3.864).
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. = 0.974).
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. = 1.842).
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. = 0.763).
47. Lucian Copolovici, Ulo Niinemets, Temperature dependencies of Henry's law constants for different plant sesquiterpenes, *Chemosphere*, 2015, 138, 751-757 (I.F. = 4.208).
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. = 1.702).

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. = 6.173).
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. = 4.900).
51. Pasi Yli-Pirilä, Lucian Copolovici, Astrid Kännaste, 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. = 6.198).
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. = 0.448).
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. = 4.369).
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. = 1.232).
55. Adriana Nita, Delia Tit, Lucian Copolovici, Carmen Melinte, Dana Copolovici, Simona Bungau, 1H-NMR study of famptodine and nizzardine complexes with  $\beta$ -cyclodextrin, *Revista de chimie*, 2017, 68, 1170-1173 (I.F. = 1.232).

*Note: I.F. = Impact factor according with ISI Thompson Citation Report 2016*

#### b) Article BDI

- 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.
- 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. Babeş-Bolyai, Chem.*, **2002**, 47, 75-84.
- Simona Bungău, **Lucian Copolovici**, Gavril Niac and Ioan Baldea, Kinetic Determination of B<sub>1</sub>, B<sub>2</sub> and B<sub>6</sub> vitamins, *Studia Univ. Babeş-Bolyai, Chem.*, **2002**, 47, 141-148.
- Lucian Copolovici**, Claudia Muresanu, and Florina Fagadar, Kinetic Method for Hydroxylamine Determination based on an Enzyme Catalysed Reaction, *Bull. Inst. Polit. Iaşi*, **2003**, 5, 184-189.
- Lucian Copolovici**, Ioan Baldea, Logarithmic Extrapolation Method for Kinetic Determination of Amines Mixtures, *Studia Univ. "Babeş-Bolyai", Chemia*, **2003**, 48(2), 85-90.
- Lucian Copolovici**, Ioan Baldea, Logarithmic Extrapolation Method for Kinetic Determination, *Annals of West Univ. Timisoara, Ser. Chemistry*, **2003**, 12(3), 1605-1612.
- Simona Bungau, **Lucian Copolovici**, Ioan Baldea, Vitamin C and Aspirin Kinetic Determination from Pharmaceutical Effervescent Forms without Separation, *Farmacia*, **2004**, 52(1), 83-89.
- 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.
- Laurean Vlase, Ioan Baldea, Simion Leucuta, Liviu Rus and **Lucian Copolovici**, Kinetic study on omeprasole degradation at different pH values by using HPLC, *Studia Univ. "Babeş-Bolyai", Chemia*, **2005**, 50(1-2), 169-173.
- 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
- Simona Bungău, Gabriela Vonhaz, Delia M. Țiț, **Lucian Copolovici**, A comparative study of dry and fresh *hibiscus trioni* Herba tinctures, *Bihorean Biologist*, **2015**, 9, 55-58.
- 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.
- Daniel Tomescu, Radu Sumalan, Loredana Soran, **Lucian Copolovici**, The influence of soil salinity to chlorophylls and  $\beta$ -carotene contents in *Lycopersicon esculentum* Mill., *Journal of Horticulture, Forestry and Biotechnology*, **2015**, 19, 35-39.
- 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
- Lucian Copolovici**, Adelina Ban, Ioana Faur, Dana Copolovici, The influence of simulated acidic rain on plants volatile organic compounds emission and photosynthetic parameters, *Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering*, **2017**, in press

### c) Articole in extenso la conferinte

1. A. Rustoiu-Csavdari, **Lucian Copolovici**, Z. Nagy, Possible Use of Artificial Neural Network in Tricomponent Calibration, Proc. 14<sup>th</sup> International Congress of Chemical and Process Engineering, 27-31 August, Praha, Czech Republic, **2000** (on CD).

### d) Carti

1. Simona Bungau, Vasilica Merca, **Lucian Copolovici**, *Instrumental Analysis and Separation Methods* (in Romanian), Ed. Univ. Oradea, 228 p., **2004**, ISBN 973-613-489-X.
2. Simona Bungau, **Lucian Copolovici**, *Analytical Chemistry-Calitative Chemical Analyse*(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**, *Theoretical and Practical Applications in Quantitative Analytical Chemistry* (in Romanian), Ed. Didactica si Pedagogica, 213 p., **2006**, ISBN 973-30-1622-5.
5. Simona Bungău, Delia Mirela Tiț, **Lucian Copolovici**, Eleonora Marian, *Theoretical and Practical Applications in Quantitative Analytical Chemistry* (in Romanian), *Second Edition*, 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 carte

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.

### f) Abstracte la conferinte stiintifice

#### (1) Conferinte citate ISI

1. Z. Sun, Ulo Niinemets, **Lucian Copolovici**, **Foliar isoprene emission during autumn senescence in aspen (*Populus tremula*)**, 19<sup>th</sup> 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

#### (2) Conferinte internationale si nationale

4. 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*).
5. **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.
6. **Lucian Copolovici**, Ioan Baldea, **Determination of Phenol by Kinetic Methods**, The 10<sup>th</sup> Conference on Physical Chemistry, 25-29 September, Iasi, 2000, S10-PO5 (*participant*).
7. **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*)
8. **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*)
9. **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*)
10. **Lucian Copolovici**, Claudia Mureșanu, Florina Făgădar, **Kinetics, mechanism and analytical applications of catalase catalyzed decomposition of H<sub>2</sub>O<sub>2</sub> 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*).



11. 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)
12. Claudia Mureșanu, **Lucian Copolovici**, Florina Făgădar, **Kinetics, mechanism and analytical applications of catalase catalyzed decomposition of H<sub>2</sub>O<sub>2</sub> 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)
13. **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)
14. S. Bungău, Ioan Bâldea, **Lucian Copolovici**, Florian Bănică, Kinetic Determination of Upsarin components using Landolt-Type Reactions, The 27<sup>th</sup> Annual Congress of American-Roumanian Academy of Arts and Science, Oradea, 12.04-15.04, 2002, P46
15. **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)
16. Simona Bungău, Ioan Bâldea and **Lucian Copolovici**, Determinarea vitaminelor B<sub>1</sub> și B<sub>6</sub> prin oxidare cu permanganat (Vitamins B<sub>1</sub> and B<sub>6</sub> Determination Using Permanganate), (in Romanian), *Al XXVII-lea Simpozion National de Chimie*, 23 -26 octombrie, Calimanesti-Caciulata, 2002, S5-298 (participant)
17. 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)
18. **Lucian Copolovici**, Atila 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)
19. 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)
20. **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)
21. Simona Bungău, **Lucian Copolovici** and Ioan Bâldea, **Kinetic Determination Methods for Ascorbic Acid by Using N-(1-naphtyl) Etilendiamine Hydrochloride**, *11<sup>th</sup> Physical Chemistry Conference (ROMPHYSICHEM 11)*, 2.09-5.09, Timișoara, 2003, S10-P119 (participant)
22. Simona Bungău, **Lucian Copolovici** and Ioan Bâldea, **Kinetic Determination of para-aminobenzoic acid (H vitamin) By using Landolt-Type Reactions**, *11<sup>th</sup> Physical Chemistry Conference (ROMPHYSICHEM 11)*, 2.09-5.09, Timișoara, 2003, S10-P120 (participant)
23. **Lucian Copolovici**, Claudia Muresanu and Florina Fagadar, **A New Kinetic Method For the Determination of Hydroxylamine Using an Oxygen Sensor**, *11<sup>th</sup> Physical Chemistry Conference (ROMPHYSICHEM 11)*, 2.09-5.09, Timișoara, 2003, S10-P131 (participant)
24. **Lucian Copolovici**, Ioan Baldea, **Spectrophotometrical Kinetic Determination of β-naphtol at Millimolar Level**, *11<sup>th</sup> Physical Chemistry Conference (ROMPHYSICHEM 11)*, 2.09-5.09, Timișoara, 2003, S10-P132 (participant)
25. Anca Molnar, Ioan Baldea, **Lucian Copolovici** and Simona Bungau, **Kinetics and Analytical Application of Oxidation of Thiamine by Permanganate in Acidic Media**, *13<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering*, 16.09-20.09, Bucuresti, 2003, S3-P19 (participant)
26. Simona Bungău, **Lucian Copolovici** and Ioan Bâldea, **Determination of Ascorbic Acid and Acetylsalicylic Acid in Mixture**, *13<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering*, 16.09-20.09, Bucuresti, 2003, S4-O2 (participant)
27. Claudia Muresanu, **Lucian Copolovici**, **Kinetic Method for Acetylsalicylic Acid Determination Based On its Inhibitory Effect Upon Catalytic Decomposition of H<sub>2</sub>O<sub>2</sub>**, *13<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering*, 16.09-20.09, Bucuresti, 2003, S4-P08, (participant)
28. **Lucian Copolovici** Ioan Bâldea and Atila Horvath, **Phenol Oxidation by Potassium Permanganate in Acidic Media. Kinetics and Analytical Application**, *13<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering*, 16.09-20.09, Bucuresti, 2003, S4-P19 (participant)
29. Florina Fagadar, Ioan Baldea and **Lucian Copolovici**, **Kinetic Method For Phenol Determination Based on its Inhibitory Effect Upon Catalytic Decompositions of H<sub>2</sub>O<sub>2</sub>**, *13<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering*, 16.09-20.09, Bucuresti, 2003, S4-P20 (participant)
30. **Lucian Copolovici**, **Physical-Chemical Characterization of VOC Emission**, *ISONET-VOCBAS Summer school*, 20-24.09, Pievo-Tesino (Italy), 2004 (participant)
31. **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

32. **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
33. **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.
34. **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.
35. Felicia Dragan, **Lucian Copolovici**, Ioan Bratu, **Determinarea constantei de stabilitate a metoprololului si atenololului in  $\beta$ -ciclodextrina**, *Al XXIX-lea Simpozion National de Chimie*, 4 -6 octombrie, Calimanesti-Caciulata, 2006, p. 391
36. **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
37. **Lucian Copolovici**, Willy Maenhaut, **Semivolatil Behaviour of Dicarboxylic acids at Rural (K-puszt, Hungary) and Urban (Gent, Belgium) Sites**, 10<sup>th</sup> Edition of *Academic Days*, Timisoara, Romania, May 24-25, 2007, o1 (*participant*)
38. **Lucian Copolovici**, Vito Lippolis, Cristian Silvestru, Mesityltellurium(II) Iodide, Tellurium(II) Diiodide and Selenium(II) Diiodide Complexes with  $[\text{Ph}_2\text{P}(\text{E})_2\text{NH}]$  (E = S, Se), 10<sup>th</sup> Edition of *Academic Days*, Timisoara, Romania, May 24-25, 2007, P4 (*participant*)
39. **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*)
40. **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*)
41. 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*)
42. **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*)
43. Irina Bichele, **Lucian Copolovici**, Ulo Niinemets, **The burst of volatile products of the lipoxygenase 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*)
44. 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*)
45. 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*)
46. **Lucian Copolovici**, Ulo Niinemets, **Flooding induced emissions of volatile signaling compounds in species with differing waterlogging tolerance**, *Plant Abiotic Stress-from signaling to development, 2<sup>nd</sup> meeting of INPAS*, 14.05-17.05, Tartu, Estonia, 2009, p. 51 (*participant*)
47. 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, 2<sup>nd</sup> meeting of INPAS*, 14.05-17.05, Tartu, Estonia, 2009, p. 47 (*participant*)
48. **Boy Possen**, Mikko Anttonen, **Lucian Copolovici**, Juha Heiskanen, Katri Kostianen, 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
49. Virginia Coman, Florina Copaciu, Ocsana Oprîş, **Lucian Copolovici**, **Chromatographic analysis of some textile dyes from wastewater samples and their effect over the nonvolatile secondary metabolites of wheat and rye**, „29<sup>th</sup> International Symposium on Chromatography”, 9-12 Septembrie 2012, Torun, Poland
50. **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**, *9<sup>th</sup> Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 25-27.10.2012 (*participant*)
51. **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*)
52. Andrea Pag, Daniel Tomescu, Adina Bodescu, Astrid Kännaste, Trinu Rimmel, 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*).
53. 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*).
54. **Lucian Copolovici**, Identificarea și rolul în atmosferă a compușilor volatili emiși de plante în condiții de stres, *Conferinta Internațională „Practici și Experiențe în Protecția Mediului” în cadrul targului Ecomediu*, Arad, 16-18 Octombrie 2013 (*participant*).
55. **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*).

56. 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).
57. 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*
58. **Lucian Copolovici**, Pag Andreea, Astrid Kännaste, Daniel Tomescu, Adina Bodescu and Ülo Niinemets, **Volatiles Organic Compounds and Their Roles in Plants Defense**, *13<sup>th</sup> Edition Timisoara's Academic Days*, 13-14 June, Timisoara, Romania 2013, (*participant*)
59. 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*
60. 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*)
61. **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*)
62. **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 3<sup>rd</sup> International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES 2014"* June 13<sup>th</sup> – 15<sup>th</sup>, 2014, Brasov, Romania
63. 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
64. 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
65. **Lucian Copolovici**, Ülo Niinemets, **Biogenic volatile organic compounds emission and their role in climate change**, *10<sup>th</sup> Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)
66. Dana Copolovici, Andreea Ioana Pag, Felicia Dragan, **Lucian Copolovici**, **Chemical analysis of *Sambucus Ebulus* L. extracts**, *10<sup>th</sup> Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)
67. 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**, *10<sup>th</sup> Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)
68. 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**, *10<sup>th</sup> Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)
69. Daniel Tomescu, Andreea Pag, Adina Bodescu, Astrid Kannaste, Ülo Niinemets, **Lucian Copolovici**, **Volatile organic compounds emissions from *Quercus Robur* under drought stress**, *10<sup>th</sup> Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.2014 (*participant*)
70. **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.
71. **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.
72. **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.
73. 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.
74. **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
75. **Lucian Copolovici**, Ülo Niinemets, **The temperature effect on terpenes partitioning equilibrium at water-air interface**, *National Symposium Environment & Progress*, 29-30 Octombrie 2015, Cluj-Napoca, Romania.
76. **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
77. **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

78. **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 25<sup>th</sup> Conference*, 17-18 September, 2015, Bucharest, Romania
79. **Lucian Copolovici**, Ülo Niinemets, Environment affects the plants but the environment could be influenced by compounds emitted by plants?, *11<sup>th</sup> International Conference ELSEDDIMA "Environmental Legislation, Safety Engineering and Disaster Management" Building Disaster Resilience in a Changing World*, 26-28 May, 2016, Cluj-Napoca, Romania
80. Monica Taschina, **Lucian Copolovici**, The influence of acetaminophen on physiological characteristics and volatile organic compounds in *Phaseolus vulgaris*, *11<sup>th</sup> 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. Dennis N. Iosif, **Lucian Copolovici**, Dana M. Copolovici, Anthropogenic Aromatic Hydrocarbons in Arad Atmosphere, *11<sup>th</sup> 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. Dana M. Copolovici and **Lucian Copolovici**, Volatile Organic Compounds Emission from Cars Indoor and Their Implication to Human Health, *11<sup>th</sup> 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. **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
84. 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
85. **Lucian Copolovici**, Ülo Niinemets, New insights into volatile organic compounds emissions and climate change, *6<sup>th</sup> International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
86. Denissa A. Pop, Alina Ban, **Lucian Copolovici**, Dana Copolovici, Chromatographic analysis of some food products, *6<sup>th</sup> International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
87. Adina Bodescu, Daniel Tomescu, Andreea Pag, **Lucian Copolovici**, The influence of drought on Timis County forest, *6<sup>th</sup> International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
88. **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, *6<sup>th</sup> International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
89. Dumitru Condrat, Dana Copolovici, Lucian Copolovici, Analysis of anthocyanidins in *Crataegus monogyna* and *Rosa canina* ethanolic extracts, *6<sup>th</sup> International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
90. Dennis N. Iosif, Lucian Copolovici, Dana Copolovici, Determination of atmospheric pollutants in Arad city, *6<sup>th</sup> International Symposium Research and Education in Innovation Era*, December 08-10, 2016, Arad, Romania
91. **Lucian Copolovici** and Ulo Niinemets, Increasing of CO<sub>2</sub> concentration: good or bad effect on the environment? The XXXIV-th Romanian Chemistry Conference, 4 -7 octombrie, Calimanesti-Caciulata, 2016.
92. 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.
93. 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.
94. 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.
95. 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
96. 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
97. 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
98. 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
99. 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
100. 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  
Arad, 08.05.2017