

## Lista publicațiilor

### a) Lista publicațiilor conform art. 12 alin. (1) lit. h

1. **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. = 6.555).
2. **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. = 3.137).
3. **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. = 3.137).
4. 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. = 3.347).
5. **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. = 5.135).
6. **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. = 2.462).
7. 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. = 3.754).
8. **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. = 2.699).
9. 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. = 5.510).

10. Ocsana Opriș, 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. = 2.203).

**b) Teza de doctorat**

“Metode cinetice de determinare a compusilor organici din ape”, in Chimie la Universitatea “Babes-Bolyai”, Cluj-Napoca, Romania, **Sustinută la data de 12.12.2003**

**c) Brevete**

**d) Cărți**

1. Simona Bungau, Vasilica Merca, **Lucian Copolovici**, *Analiza Instrumentala și Metode de Separare*, Ed. Univ. Oradea, 228 p., **2004**, ISBN 973-613-489-X.
2. Simona Bungau, **Lucian Copolovici**, *Chimie Analitică-Chimie Analitica Calitativa*, Ed. Univ. Oradea, 230 p., **2005**, ISBN 973-613-804-6.
3. Felicia Drăgan, **Lucian Copolovici**, *Sinteze de Produsi Farmaceutici*, Ed. Focus, 184 p., **2005**, ISBN 973-87104-5-6.
4. Simona Bungau, **Lucian Copolovici**, *Teorie si Aplicatii Practice in Chimia Analitica Cantitativa*, Ed. Didactica si Pedagogica, 213 p., **2006**, ISBN 973-30-1622-5.
5. Simona Bungău, Delia Mirela Tiț, **Lucian Copolovici**, Eleonora Marian, *Teorie si Aplicatii Practice in Chimia Analitica Cantitativa, Editia 2-a reviziuuta*, Ed. Didactică și Pedagogică, 380 p., **2011**, ISBN 978-973-30-2910-6.

**e) Alte articole în jurnale cotate ISI**

11. **Lucian Copolovici**, Ioan Bâldea, Kinetic Determination of Aromatic Amines at Millimolar Level, *Anal. & Bioanal. Chem.*, **2002**, 374, 13-16 (I.F. = 3.659).
12. 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. = 0.538).

13. 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. = 3.659).
14. 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. = 0.538).
15. 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. = 0.538).
16. **Lucian Copolovici**, Simona Bungău, Felicia Drăgan, Determination of Acetylsalicylic Acid from Drugs Using Kinetic Methods, *Rev. Chim.*, **2005**, 56(4), 374-377 (I.F. = 0.538).
17. 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. = 1.167).
18. **Lucian Copolovici**, Cristian Silvestru, Vito Lippolis, Richard A. Varga, Iodidomesityltellurium(II) iodido-trimesitylditellurium(II)(Te-Te), *Acta Crystallogr.*, **2007**, *C63*, o528-o529, (I.F. = 0.492).
19. **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).
20. **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).
21. **Lucian Copolovici**, Vilma Bojan, Cristian Silvestru, Richard A. Varga, 1-Bromo-2,6-bis(*N*-morpholinylmethyl)benzene, *Acta Crystallogr.*, **2007**, *E63*, o4570, (I.F. = 0.347).
22. **Lucian Copolovici**, Ioan Baldea, Kinetics of the Phenol Oxidation by Permanganate in Acidic Media, *Rev. Roum. Chem*, **2007**, *52*, 1045 – 1050 (I.F. = 0.418).
23. 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. = 2.320).
24. 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. = 6.555).

25. 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. = 5.257).
26. **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. = 0.089).
27. **Lucian Copolovici**, Ioan Baldea, Kinetics of the phenol oxidation by permanganate in acidic media. The intermediate oxidized species 4,4'-biphenoquinone evolution, *Studia Univ. Babeş-Bolyai, Chem.*, **2010**, 55(2), 155-167 (I.F. = 0.089).
28. **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. = 0.089).
29. 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. = 3.174).
30. 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. = 2.766).
31. 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. = 2.059).
32. 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. = 6.910).
33. 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. = 1.598).
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. = 1.742).

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. = 3.131).
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 CO<sub>2</sub> across species: quantitative limitations and scaling up by models, *Journal of Experimental Botany*, **2013**, 64, 2269-2281 (I.F. = 5.242).
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. = 2.578).
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

#### **f) Articole in extenso la conferințe internaționale**

A. Rustoiu-Csavdari, **L. 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** (pe CD)

#### **g) Alte articole și contribuții științifice**

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. Babeș-Bolyai, Chem.*, **2000**, 45, 119-138.
2. Simona Bungău, Ioan Bâldea, **Lucian Copolovici**, Determination of some aminoacids from pharmaceutical products by using a kinetic method based on a clock Landolt-type system of redox reactions, *Studia Univ. Babeș-Bolyai, Chem.*, **2002**, 47, 75-84.
3. 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. Babeș-Bolyai, Chem.*, **2002**, 47, 141-148.

4. **Lucian Copolovici**, Claudia Muresanu, and Florina Fagadar, Kinetic Method for Hydroxylamine Determination based on an Enzyme Catalysed Reaction, *Bull. Inst. Polit. Iasi*, **2003**, 5, 184-189.
5. **Lucian Copolovici**, Ioan Baldea, Logarithmic Extrapolation Method for Kinetic Determination of Amines Mixtures, *Studia Univ. "Babes-Bolyai", Chemia*, **2003**, 48(2), 85-90.
6. **Lucian Copolovici**, Ioan Baldea, Logarithmic Extrapolation Method for Kinetic Determination, *Annals of West Univ. Timisoara, Ser. Chemistry*, **2003**, 12(3), 1605-1612.
7. Simona Bungau, **Lucian Copolovici**, Ioan Baldea, Vitamin C and Aspirin Kinetic Determination from Pharmaceutical Effervescent Forms without Separation, *Farmacia*, **2004**, 52(1), 83-89.
8. Simona Bungău, **Lucian Copolovici**, Ioan Baldea, Ildiko Szabo, Kinetic Methods for the Determination of Cysteine and Methionine without Initial Separation, *Farmacia*, **2004**, 55(4), 60-66.
9. Laurean Vlase, Ioan Baldea, Simion Leucuta, Liviu Rus and **Lucian Copolovici**, Kinetic study on omeprazole degradation at different pH values by using HPLC, *Studia Univ. "Babes-Bolyai", Chemia*, **2005**, 50(1-2), 169-173.
10. **Lucian Copolovici**, Dana Copolovici, Ülo Niinemets and Cecilia Sirghie, Bioremediation of soil contaminated with cadmium using hemp shives. A case study of modification of physiological parameters in *Triticum aestivum*, *FAO Escorena Bulletin*, **2012**, 5

### *Abstracte la Conferințe*

#### *(1) Conferințe ISI*

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

#### *(2) Conferințe internaționale*

1. **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*).
2. **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*)
3. **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*)

4. 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)
5. 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)
6. **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)
7. 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)
8. 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)
9. **Lucian Copolovici**, Claudia Muresanu and Florina Fagadar, **A New Kinetic Method For the Determination of Hydroxilamine Using an Oxygen Sensor**, *11<sup>th</sup> Physical Chemistry Conference (ROMPHYSICHEM 11)*, 2.09-5.09, Timișoara, 2003, S10-P131 (participant)
10. **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)
11. 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)
12. 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)
13. 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)

14. **Lucian Copolovici** Ioan Bâldea and Atilla 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)

15. 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)

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

17. **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

18. **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.

19. **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)

20. **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)

21. 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)

22. **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)

23. 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)



24. 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*)
25. 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*)
26. **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*)
27. 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*)
28. Boy Possen, Mikko Anttonen, **Lucian Copolovici**, Juha Heiskanen, Katri Kostiainen, Sari Kontunen-Soppela, Ülo Niinemets, Elina Oksanen, Matti Rousi, Elina Vapaavuori, **Genetic variation in biomass accumulation within a Silver birch (*Betula pendula* Roth) population**, *8th APGC Symposium: 'Plant Functioning in a Changing Global and Polluted Environment*, Groningen, Netherlands, June 8, 2011
29. Virginia Coman, Florina Copaciu, Ocsana Opreș, **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
30. **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*)
31. **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*)
32. 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).
33. 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*

34. **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, 2013, (*participant*)

### (3) Conferințe naționale

35. Alexandra Rustoiu Csavdari, Ioan Baldea, **Lucian Copolovici**, Dana Mihai, **Multicomponent trace analysis of some heavy metal ions by kinetic methods**, A XI-a Conferința Internațională de Chimie și Inginerie Chimică, 30.09-2.10, București, 1999, S4-O1 (*participant*).

36. **Lucian Copolovici**, Ioan Baldea, **Metoda cinetică pentru determinarea cresolilor în concentrații mici** (A Kinetic Method for the Determination of Cresol in Trance), (*in Romanian*), Al XXVI-lea Simpozion Național de Chimie, 4 - 6 octombrie, Calimanești-Căciulata, 2000, PS5-464.

37. **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*)

38. **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 Conferința Internațională de Chimie și Inginerie Chimică, 13.09-15.09, București, 2001, S4-P25 (*participant*).

39. 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

40. **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 Național de Chimie, 23 -26 octombrie, Calimanești-Căciulata, 2002, S5-270 (*participant*)

41. 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 Național de Chimie, 23 -26 octombrie, Calimanești-Căciulata, 2002, S5-298 (*participant*)

42. 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*)

43. **Lucian Copolovici**, Atilla Horvath and Ioan Bâldea, **Kinetics and Analytical Application of Phenol Oxidation by Potassium Permanganate in Acidic Media**, *A III-a Conferință a Facultății de Chimie Industrială*, 13.11-15.11, Iași, 2002, S5-O6 (*participant*)

44. 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*)

45. **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*)

46. **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

47. **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.

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

49. **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

50. **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*)

51. **Lucian Copolovici**, Vito Lippolis, Cristian Silvestru, **Mesityltellurium(II) Iodide, Tellurium(II) Diiodide and Selenium(II) Diiodide Complexes with [Ph<sub>2</sub>P(E)]<sub>2</sub>NH (E = S, Se)**, 10<sup>th</sup> Edition of *Academic Days*, Timisoara, Romania, May 24-25, 2007, P4 (*participant*)

52. Andrea Pag, Daniel Tomescu, Adina Bodescu, Astrid Kännaste, Trinu Remmel, Ülo Niinemets and **Lucian Copolovici**, **Emission of volatiles organic compounds from stressed**

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

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*).