LIST OF PUBLICATIONS
Research Assistant Eng. DANIEL TOMESCU

I. ARTICLES INDEXED IN INTERNATIONAL DATABASES

1. **Tomescu Daniel,** Sumalan Radu, Soran Loredana, Copolovici Lucian „The influence of soil salinity to chlorophylls and β – carotene contents in *Lycopersicon esculentum Mill.",* Journal of Horticulture, Forestry and Biotechnology, **2015** 19(2), 35-38.

2. 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.

3. 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.

II. OTHER PUBLICATIONS

1. 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", *Scientific Bulletin of ESCORENA*, **2014**, 10, 31-36.

2. Andreea Pag, Adina Bodescu, Astrid Kännaste, **Daniel Tomescu**, Ülo Niinemets, Lucian Copolovici, „Volatile Organic Compounds emission from *Betula verrucosa* under drought stress", *Scientific Bulletin of ESCORENA*, **2013**, 8, 45-54.

III. INTERNATIONAL AND NATIONAL CONFERENCES

1. **Tomescu Daniel**, Sumalan Radu, Soran Loredana, Copolovici Lucian, „The influence of soil salinity to chlorophylls and β – carotene contents in *Lycopersicon esculentum Mill.", Scientific Conference,* Timisoara, 28-29 mai **2015**.
2. 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.
3. **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**.
4. 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**.
5. Lucian Copolovici, Astrid Kännaste, Andreea Pag, **Daniel Tomescu**, Adina Bodescu, Ülo Niinemets, „New Gas Chromatography Mass-Spectrometry Methods used for Trapping and Determination of Volatile Organic Compounds Emitted by Plants", *The 3rd International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES 2014"* June 13th – 15th, **2014**, Brasov, Romania.

6. 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*th Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.**2014**.
7. **Daniel Tomescu**, Andreea Pag, Adina Bodescu, Astrid Kannaste, Ülo Niinemets, Lucian Copolovici, „Volatile organic compounds emmisions from *Quercus Robur* under drought stress", 10*th Conference of Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, Romania, 18-19.09.**2014**.
8. 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**.
9. 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**.
10. **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**.
11. 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**.
12. Lucian Copolovici, Pag Andreea, Astrid Kännaste, **Daniel Tomescu**, Adina Bodescu and Ülo Niinemets, „Volatiles Organic Compounds and Their Roles in Plants Defense", 13th Edition Timisoara's Academic Days, 13-14 June, Timisoara, **2013**.
13. Andreea Pag, **Daniel Tomescu**, Adina Bodescu, Astrid Kännaste, Trinu Remmel, Ülo Niinemets si 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**.
14. 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", Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, 25.10 – 27.10.**2012**.
15. Adina Bodescu, Andreea Pag, **Daniel Tomescu**, Lucian Copololovici, „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**.

IV. INTERNATIONAL PATENT SUBMITTED

1. Cerere de brevet EPO: PROCESS FOR MELTING BAST FIBER PLANTS, SUCH AS: FLAX, HEMP, JUTE ETC consists in treating the stems with a mixed inoculum of microorganisms from a sublayer of fruit wastes and a bakery yeast, Patent Number(s): RO128837-A0, SÎRGHIE C, RADU D G, MUNTEANU F D, PAG A, DOCHIA M, **TOMESCU D**, Derwent Primary Accession Number: 2013-Q10123.