

## ANDREEA LUPITU (born PAG)

### Publication list

#### A) ISI articles

1. **Andreea I. Pag**, Dana G. Radu, Dan Draganescu, Marcel I. Popa, Cecilia Sîrghie, Flaxseed cake – a sustainable source of antioxidant and antibacterial extracts, *Cellulose Chemistry and Technology*, 48 (3-4), 2014, pp. 265-273, WOS:000339139600010, **IF=0.413**.

2. Ioana Ignat, Dana G. Radu, Irina Volf, **Andreea I. Pag**, Valentin I. Popa, Antioxidant and antibacterial activities of some natural polyphenols, *Cellulose Chemistry and Technology*, 47 (5-6), 2013, pp 387-399, WOS:000324003000008, **IF=0.413**.

3. Ryszard M. Kozłowski, Agnieszka Kręgielczak, Dana G. Radu, **Andreea I. Pag**, Cecilia Sîrghie, (2014), Flax seeds as source of biomedical products and foods, Special issue of *Molecular Crystals and Liquid Crystals*, Proceed. of 12 ICFPAM, 603 (1), 2014, pp. 122-135, WOS:000346340700012, **IF=0.241**.

4. Cristian Rus, Ersilia Alexa, Renata Sumalan, Atena Galuscan, Adina Dumitrache, Ilinca M. Imbrea, Ioan Sarac, **Andreea Pag**, Georgeta Pop, Antifungal activity and Chemical Composition of *Origanum Vulgare L.* Essential Oil, *Revista de Chimie*, 67(11), 2016, pp. 2287-2290. WOS:000388361900033, **IF=0.311**.

5. 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*, 138, 2017, pp 184–192. **IF=3.712**

#### B) BDI articles

1. 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, vol. 3, 2014, pp 5-8, ISSN 2285-6064.

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, Journal of Environmental Research and Protection, vol 12(1), 2015, pp 94-99.

### **C) Scientific articles**

1. **Andreea Pag**, Cristian Moisa, Dana Gina Radu, Cecilia Sirghie, Obtaining flax lignans or nutraceuticals for functional food purposes, Scientific Bulletin of Escorena, vol. 2, 2010, pp 47-52, ISSN 2066-5687.

2. Cristian Moisa, **Andreea Pag**, Dana Gina Radu, Cecilia Sirghie, Obtaining bast plants oils with specific nutritional and functional properties, Scientific Bulletin of Escorena, vol. 2, 2010, pp 53-60, ISSN 2066-5687.

3. **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, vol. 8, 2013, pp 45-55, ISSN 2069-8070.

### **D) Patents**

1. Sirghie Cecilia, Radu Dana Gina, Munteanu Florentina, **Pag Andreea**, Dochia Mihaela, Tomescu Daniel, “Procedeu de topire a plantelor liberiene ca de exemplu: in, cânepă, iută, etc.”; **Romanian Patent** OSIM No. 128837, (2014).

2. Sirghie Cecilia, Radu Dana Gina, Munteanu Florentina, **Pag Andreea**, Dochia Mihaela, Tomescu Daniel, “Retting procedure for bast plants such as: flax, hemp, jute, etc.”; **European Patent Application** No. EP2703527 A1 (2016).

3. Radu Dana Gina, **Pag Andreea Ioana**, “Functional food-stuff for body weight management”, **Romanian Patent** OSIM No. 128254, (2015).

## **F) Awards**

1. **Award of Excellence** for the paper “Lacase-based biosensor for estimation polyphenolic index of wine “- Secosoft - Sibiu - 2010.
2. **Mention** at the Regional Competition organized by Eco-Innovation 2014 Tehimpuls; exhibited in the Regional Innovation Fair on 12 November 2014 at Expo Arad. Beneficiary of the training session in the field of innovation and property rights by intellectual project "Eco-Innovative Companies in the West Region."

## **E) Scientific conferences**

1. **Andreea Pag**, Claudia Inoan, “Laccase-based biosensor for estimation polyphenolic index of wine”, Secosoft International Conference, Sibiu, 2010.
2. **Andreea Pag**, Claudia Inoan, “Determination of azo dyes from textile wastewater using a biosensor based on Lacase”, Geocologia 2010.
3. Radu Gina Dana, Kozlowsky M. Ryszard, **Pag Ioana Andreea**, Sirghie Cecilia, "Flax and hemp seeds by-products for food and biomedical application", AMAPESEEC, Subotica, 2012.
4. **Pag Andreea**, Radu Dana, Draganescu Dan, Popa Marcel I., Sirghie Cecilia, "Obtaining and characterization of flax seed lignans", ISREIE International Conference, Arad, Nov 2012.
5. Radu Dana, **Pag Andreea**, Sirghie Cecilia, "Valorizing linseed, hemp and rapeseed through functional food" ISREIE International Conference, Arad, Nov 2012.
6. Lucian Copolovici, Ulo Niinemets, Astrid Kannaste, **Andreea Pag**, Adina Bodescu, Tomescu Daniel, "The identification and atmospheric role of volatile compounds emitted by plants in stress condition", ELSSEDIMA International Conference, Cluj, Oct 2012.
7. 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 Oct 2013.

8. Lucian Copolovici, **Pag Andreea**, Astrid Kännaste, Daniel Tomescu, Adina Bodescu and Ülo Niinemets, “Volatiles Organic Compounds and Their Roles in Plants Defence”, 13th Edition Timisoara’s Academic Days, Timisoara, 13-14 June 2013.

9. Ioana Ignat, Dana Radu, **Andreea Pag**, Dan Draganescu, "Extraction and characterization of flax seed lignans", ISREIE International Conference, Arad, Nov 2012.

10. Ionel Marcel Popa, Ioana Ignat, Dan Draganescu, **Andreea Pag**, Cecilia Sirghie, "Embedding active principles from flax seeds extracts in xanthan-chitosan matrix", ISREIE International Conference, Arad, Nov 2012.

11. **Andreea Pag**, Daniel Tomescu, Adina Bodescu, Astrid Kännaste, Trinu Rimmel, Ülo Niinemets, Lucian Copolovici, "Emission of volatiles organic compounds from stressed plants", ISREIE International Conference, Arad, Nov 2012.

12. Bodescu Adina, **Pag Andreea**, Tomescu Daniel, Copolovici Lucian, "Analytical method for determination of biogenic volatile organic compounds" ISREIE International Conference, Arad, Nov 2012.

13. Lucian Copolovici, **Andreea Pag**, Astrid Kännaste, Ülo Niinemets, “Monitoring volatile organic compounds emitted by plants using a new gas chromatography mass-spectrometry method”, A XXXII/-a Conferinta nationala de chimie, Calimanesti-Caciulata, Valcea, Oct 2014.

14. Tomescu Daniel, **Andreea Pag**, Radu Şumalan, Lucian Copolovici, The influence of soil salinity on photosynthetic parameters of *Solanum Lycopersicum* L. plants, Agri-Food, Sibiu, May 2014.

15. **Andreea Ioana Pag**, Daniel Tomescu, Astrid Kännaste, Adina Bodescu, Ülo Niinemets, Lucian Copolovici, Volatile organic compound emissions from *Quercus robur* under abiotic and biotic stress, ELSEDIMIA International Conference, Cluj-Napoca, Sept 2014.

16. Dana Copolovici, **Andreea Ioana Pag**, Felicia Dragan, Lucian Copolovici, Chemical analysis of *Sambucus ebulus* l. extracts, ELSEDIMIA International Conference, Cluj-Napoca, Sept 2014.

17. Daniel Tomescu, **Andreea Pag**, Adina Bodescu, Astrid Kännaste, Ülo Niinemets, Lucian Copolovici, Volatile organic compound emission from *Quercus*

*robur* under drought stress, ELSESEDIMA International Conference, Cluj-Napoca, Sept 2014.

18. 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”, ISREIE International Conference, Arad, Nov 2014.

19. **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”, ISREIE International Conference, Arad, Nov 2014.

20. 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”, ISREIE International Conference, Arad, Nov 2014.

21. Daniel Tomescu, **Andreea Pag**, Adina Bodescu, Astrid Kännaste, Ülo Niinemets, Lucian Copolovici, “Volatile organic compound emissions from oak under drought stress”, ISREIE International Conference, Arad, Nov 2014.

22. Dana Radu, **Andreea Pag**, Cecilia Sîrghie, Ryszard Kozłowski, “Flax seeds - a source of biomedical products and functional foods”, ISREIE International Conference, Arad, Nov 2014.

23. Adina Bodescu, Daniel Tomescu, **Andreea Pag**, Lucian Copolovici, “the influence of drought on Timis county forest”, ISREIE International Conference, Arad, Nov 2016.

#### **F) Team member**

**1. Oct 2010-Mai 2013:** Team member of project “Bast Plants- Strategic Resources for European Economy”, Acronim: BASTEURES, POS-CCE 210/2010, Technical And Natural Sciences Research-Development-Innovation Institute of „Aurel Vlaicu” University, from October 2010 to May 2013, Prof. Dr. Ryszard Kozłowski.

**2. Apr 2012-Dec 2014:** Team member of project PN-II-RU-TE-2011-3-0022, “Emission of volatile compounds from *Betulaceae* and *Fagaceae* elicited during biotic

and abiotic stresses”, Technical And Natural Sciences Research-Development-Innovation Institute of „Aurel Vlaicu” University.