

Project results – dissemination and exploitation of project results

April – December 2012

Scientific papers published/*in press* in ISI journals/proceedings

- 1) Oancea S., Drăghici O., pH and thermal stability of anthocyanin-based optimized extracts of Romanian red onion cultivars, *Czech J. Food Sci.* 31, 283-291, 2013. <http://www.agriculturejournals.cz/web/cjfs.htm> (accepted 2012)
Impact factor 0.685
Relative influence score 0.612 (<http://uefiscdi.gov.ro/>)
- 2) Oancea S., Stoia M., Grosu C., Improving the oxidative stability of sunflower oil by adding anthocyanin extract, *Eur. J. Lipid Sci. Technol.* vol. 114, Supplement S1 2012, pp. 257, ISSN 1438-7697, DOI 10.1002/ejlt.202390034
Impact factor 2.266
http://thomsonreuters.com/products_services/science/science_products/a-z/conf_proceedings_citation_index/
<http://onlinelibrary.wiley.com/doi/10.1002/ejlt.v114.11s/issuetoc>
- 3) Stoia M., Oancea S., Natural vs. synthetic antioxidants in designing healthy edible oils, *Eur. J. Lipid Sci. Technol.* vol. 114, Supplement S1 2012, pp. 259, ISSN 1438-7697, DOI 10.1002/ejlt.202390034.
Impact factor 2.266
http://thomsonreuters.com/products_services/science/science_products/a-z/conf_proceedings_citation_index/
<http://onlinelibrary.wiley.com/doi/10.1002/ejlt.v114.11s/issuetoc>

Scientific papers published/*in press* in journals indexed in International Databases

- 1) Oancea S., Stoia M., Coman D., Effects of extraction conditions on bioactive anthocyanin content of *Vaccinium corymbosum* in the perspective of food applications, *Procedia Engineering* 42, 534-542, 2012.
- 2) Stoia M., Oancea S., Workplace health promotion program on using dietary antioxidants (anthocyanins) in chemical exposed workers, *Procedia Engineering* 42, 2176-2186, 2012.
- 3) Coman D., Vrînceanu N., Oancea S., Neagu I., Research on ecodyeing textile materials with natural extract, *Annals of the University of Oradea, Fascicle of Textile-Leatherwork, vol. XIII, 76-81, 2012.*

Papers presented at scientific conferences/congresses

- 1) Moiseenco F., Oancea S., Traldi P., A comparative analysis of anthocyanin profile of wild and cultivated blueberries investigated by UV-Vis spectroscopy and ESI-MS *30th Informal Meeting on Mass Spectrometry*, 29 April-3 May 2012, Olomouc, Czech Republic, *Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium, CHEMICA* 49S, pp. 75, ISSN 0231-9721.
- 2) Oancea S., Coman D., Vrînceanu N., Eco-friendly process of dyeing materials using bilberry anthocyanin extract, *Proceedings of the 16th International Conference "Modern Technologies, Quality and Innovation", ModTech 2012, Iași-Chișinău-Belgrad*, ISSN 2066-3919, 24-26 May 2012, Sinaia, Romania
- 3) Coman D., Vrînceanu N., Oancea S., Neagu I., Research on ecodyeing textile materials with natural extract, *International Scientific Conference "Innovative solutions for sustainable development of textiles industry", June 1-2, 2012 Oradea, Romania*
- 4) Coman D., Oancea S., Vrînceanu N., Drăghici O., Stoia M., An investigation of β -cyclodextrin pretreatment efficacy onto flax fabrics ecodyed with natural extract: characterization and thermal stability, *XXXIV National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics AICAT 2012, June 5-8, 2012, Rome, Italy*, Book of Abstracts pp. 97-98, 2012.
- 5) Vrînceanu N., Coman D., Oancea S., Tanasa D., Pui A., Popovici E., Research regarding a correlation Core-Shell morphology-heat absorption/thermal stability of silica-silver nanoparticles with potential application in ecotextiles, *XXXIV National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics AICAT 2012, June 5-8, 2012, Rome, Italy*, Book of Abstracts pp. 41-42, 2012.
- 6) Oancea S., Drăghici O., Stoia M., Sand C., Investigation of the anthocyanin content and stability of crude extracts from red onions (*Allium cepa* L.) grown in Romanian areas, *The 16th International Congress*

PHYTOPHARM 2012, Saint-Petersburg, Rusia, 9-11 July 2012, published in *Obz. klin. farmacol. lek. ter. (Reviews of clinical pharmacology and drug therapy)*, tom 10, 85, 2012.

- 7) Stoia M., Oancea S., Coman D., Market assessment of herbal supplements in Romania for a period of 10 years using a holistic approach, *The 16th International Congress PHYTOPHARM 2012, Saint-Petersburg, Rusia, 9-11 July 2012*, published in *Obz. klin. farmacol. lek. ter. (Reviews of clinical pharmacology and drug therapy)*, tom 10, 102, 2012.
- 8) Oancea S., Stoia M., Coman D., Effects of extraction conditions on bioactive anthocyanin content of *Vaccinium corymbosum* in the perspective of food applications, *20th International Congress of Chemical and Process Engineering CHISA 2012 and 15th Conference PRES 2012, Prague, Czech Republic, 25-29 August 2012*.
- 9) Stoia M., Oancea S., Workplace health promotion program on using dietary antioxidants (anthocyanins) in chemical exposed workers, *20th International Congress of Chemical and Process Engineering CHISA 2012 and 15th Conference PRES 2012, Prague, Czech Republic, 25-29 August 2012*.
- 10) Coman D., Oancea S., Vrînceanu N., Obtaining of advanced functionalized ecotextiles dyed with natural colorants extracted from bilberry fruit, *9th International Conference on Physics of Advanced Materials, 20-23 September 2012, Iași, Romania*, Abstract Book of ICPAM 9, pp. 21-22, 2012.
- 11) Oancea S., Stoia M., Grosu C., Improving the oxidative stability of sunflower oil by adding anthocyanin extract, *The 10th Euro Fed Lipid Congress, Fats, Oils and Lipids: from Science and Technology to Health, 23-26 September 2012, Cracow, Poland*.
- 12) Stoia M., Oancea S., Natural vs. synthetic antioxidants in designing healthy edible oils, *The 10th Euro Fed Lipid Congress, Fats, Oils and Lipids: from Science and Technology to Health, 23-26 September 2012, Cracow, Poland*.

Involvement of young researchers in disseminating results

- Development and coordination by Oancea Simona of Graduation theses: student thesis title "Improved extraction of anthocyanins from cultivated blueberry"- 2012 University "Lucian Blaga" of Sibiu, Romania; student thesis title "Biochemical studies on anthocyanins and ascorbic acid in strawberries" - 2012 University "Lucian Blaga" of Sibiu, Romania.
- Participation of students with oral presentations at the *Studium Oecologicum* student symposium, Faculty of Sciences, University "Lucian Blaga" of Sibiu, Romania: student presentation "Extraction methods of anthocyanin pigments", student presentation "Biochemical studies on anthocyanins and ascorbic acid in strawberries"
- Participation of student with oral presentation at the *Sesiunea de Comunicari Stiintifice Studentesti* student symposium, Faculty of Engineering University "Lucian Blaga" of Sibiu, Romania: student presentation "Sustainable textile raw material" coordinated by Coman Diana
- Participation of Master student Grosu C. in documentary studies, experimental activities and poster preparations (co-author of the paper presented at *The 10th Euro Fed Lipid Congress, Fats, Oils and Lipids: from Science and Technology to Health, 23-26 September 2012, Cracow, Poland.*)