

Project results – dissemination and exploitation of project results

January – December 2013

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

- 1) Oancea S., Grosu C., Effect of *Vaccinium myrtillus* anthocyanin extract on lipid oxidation in cod liver oil, *Rom. Biotech. Lett.* vol. 18, no. 1, 7897-7903, 2013. WOS:000315777500003
<http://www.rombio.eu/index.html>
Impact factor 0.363
Relative influence score 0.115
- 2) Oancea S., Grosu C., Ketney O., Stoia M., “Conventional and ultrasound-assisted extraction of anthocyanins from blackberry and sweet cherry cultivars” *Acta Chim. Slov.*, 60(2), 383-389, 2013. WOS:000322040900018 <http://acta.chem-soc.si/>
Impact factor 1.328
Relative influence score 0.668 (<http://uefiscdi.gov.ro/>)
- 3) Oancea S., Moiseenco F., Traldi P., Total phenolics and anthocyanin profiles of Romanian wild and cultivated blueberries by direct infusion ESI-IT-MS/MS, *Rom. Biotech. Lett.* vol. 18, no. 3, 8350-8360, 2013. WOS:000321188400015 <http://www.rombio.eu/index.html>
Impact factor 0.363
Relative influence score 0.115
- 4) Stoia M., Oancea S., Health reasons for improving the oxidative stability of sunflower oil – Review, *Oxid. Commun.* 36(3), 636-668, 2013. <http://www.scibulcom.net/atj.html>
Impact factor (2010) 0.25
Relative influence score (2012) 0.10180 (<http://uefiscdi.gov.ro/>)
- 5) Oancea Simona, Coman D., Vrinceanu N., Stoia M., Sonication and conventional dyeing procedures of lignocellulosic fibres with *Allium cepa* anthocyanin extract, *Cell. Chem. Technol.*, in press, 2013. <http://www.cellulosechemtechnol.ro>
Impact factor 0.825.
Relative influence score 0.672 (<http://uefiscdi.gov.ro/>)

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

- 1) Stoia M., Oancea S., Herbal dietary supplements consumption in Romania from the perspective of public health and education, *Acta Medica Transilvanica*, vol. II, no. 2, 216-219, 2013. <http://www.amtsibiu.ro/current-issue>
- 2) Coman D., Oancea S., Vrinceanu N., Research on application of bilberry extract in natural textile dyeing technology, *Annals of the University of Oradea*, Fascicle of Textile-Leatherwork, Vol. XIV, Issue 1, 152-156, 2013.

Papers presented at scientific conferences/congresses; Proceedings

- 1) Coman D., Oancea S., Vrinceanu N., Studies regarding the investigation of the textile substrates dyed with natural extracts, *Proceedings of the 4th International Proficiency Testing Conference 2013*, 17-20 september 2013, Braş ov, Romania, www.pt-conf.org, pp. 250-255, 2013, ISSN 0949-1775.
[under evaluation for indexing ISI Thomson Reuters](#)
- 2) Stoia M., Oancea S., Ketney O., Hilma G., Antioxidant and antimicrobial activity of anthocyanins crude extracts: from nutraceuticals to phytopharmaceuticals, *The 17th International Congress PHYTOPHARM 2013*, Vienna, Austria, 8-10 July 2013, <http://www.ipharm.sp.ru/Phyto13/index.html>, *Obz. Klin. Farmacol. Lek. Ter. (Reviews of clinical pharmacology and drug therapy)* Tom 11, 2013, ISSN 1683-4100, Abstracts Phytopharm 2013, pp. 91.
- 3) Oancea S., Ketney O., Stoia M., Total anthocyanins and total antioxidant capacity of crude extracts from hawthorn (*Crataegus monogyna* L.) grown in Romanian areas, *The 17th International Congress PHYTOPHARM 2013*, Vienna, Austria, 8-10 July 2013, <http://www.ipharm.sp.ru/Phyto13/index.html>, *Obz. Klin. Farmacol. Lek. Ter. (Reviews of clinical pharmacology and drug therapy)* Tom 11, 2013, ISSN 1683-4100, Abstracts Phytopharm 2013, pp. 67.

- 4) Coman, D., Oancea, S., Vrînceanu, N., Vlad, D., Research regarding the correlation between morphological - structural features and mechanical behaviour of eco-dyed textile composites, *Proceedings of the 6th WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS '13)*, Braşov, June 1-3, 2013, pp. 254-258, ISSN 2227-4588, ISBN 978-1-61804-193-7. <http://wseas.org/wseas/cms.action?id=3691> ; [under evaluation for indexing ISI Thomson Reuters](#)
- 5) Oancea S., Grosu C., Coman D., Stoia M., Conventional and non-conventional extraction of anthocyanins from *Rubus idaeus* L. grown in Romania, *Proceedings of the 2nd WSEAS International Conference on Agricultural Science, Biotechnology, Food and Animal Science (ABIFA '13)*, Braşov, June 1-3, 2013, pp. 247-251, ISSN 2227-4359, ISBN 978-1-61804-188-3. <http://www.wseas.org/wseas/cms.action?id=3823> [under evaluation for indexing ISI Thomson Reuters](#)
- 6) Drăghici O., Oancea S., Study regarding the protective effect of *Rubus fruticosus* anthocyanin extract against myoglobin oxidation in porcine *Longissimus thoracis*, *Semimembranosus* and bovine *Longissimus lumborum*, *Proceedings of the 2nd WSEAS International Conference on Agricultural Science, Biotechnology, Food and Animal Science (ABIFA '13)*, Braşov, June 1-3, 2013, pp. 319-324, ISSN 2227-4359, ISBN 978-1-61804-188-3. <http://www.wseas.org/wseas/cms.action?id=3823> [under evaluation for indexing ISI Thomson Reuters](#)
- 7) Oancea S., Drăghici O., Stoia M., Changes of total anthocyanins content in *Rubus idaeus* L. during oven and infrared drying, *EuroFoodChem XVII* May 07-10, 2013, Istanbul, Turkey, Book of Abstracts EUROFOODCHEM XVII, *Effects of Food Processing on Food Constituents*, Edited by Hamit Köksel, Publisher Hacettepe University, Food Engineering Department, ISBN 978-605-63935-0-1, pp. 353. <http://www.arber.com.tr/eurofoodchemxvii.org/arkakapi/cache/flfilDocumentFile187.pdf>
- 8) Stoia M., Oancea S., Sand C., Vegetable oils as functional food from consumer perspectives, *EuroFoodChem XVII* May 07-10, 2013, Istanbul, Turkey, Book of Abstracts EUROFOODCHEM XVII, *Functional Foods and Ingredients*, Edited by Hamit Köksel, Publisher Hacettepe University, Food Engineering Department, ISBN 978-605-63935-0-1, pp. 515. <http://www.arber.com.tr/eurofoodchemxvii.org/arkakapi/cache/flfilDocumentFile187.pdf>
- 9) Coman D., Vrînceanu N., Oancea S., Stoia M., A novel approach regarding ecodying textile materials with natural extracts, *Proceedings of the XXIII IFATCC Congress*, organized by the International Federation of Associations of Textile Chemists and Colourists IFATCC, Hungarian Chemical Society and Hungarian Society of Textile Technology and Science, May 8-10 2013, Budapest, Hungary, CD-ROM ISBN: 978-963-9970-33-5. <http://www.ifatcc2013-budapest.hu/>
- 10) Iorgoaea (Guignard) M., Coman D., Vrînceanu N., Giraud S., Campagne C., Functionalization of a bamboo knitted fabric using air-plasma treatment for the improvement of microcapsules embedding, *Proceedings of the XXIII IFATCC Congress*, organized by the International Federation of Associations of Textile Chemists and Colourists IFATCC, Hungarian Chemical Society and Hungarian Society of Textile Technology and Science, May 8-10 2013, Budapest, Hungary, CD-ROM ISBN: 978-963-9970-33-5. <http://www.ifatcc2013-budapest.hu/>

Involvement of young researchers in disseminating results

- Participation of Master student Grosu C. in experimental activities and results dissemination (co-author of the published papers)
- Participation of students with oral presentations at the *Student symposium*, Faculty of Engineering, University "Lucian Blaga" of Sibiu, Romania: student presentation "Innovative materials based on natural pigments" coordinated by Coman Diana
- Development and coordination by Oancea Simona of Graduation thesis "Studies and research regarding anthocyanins pigments from red onion (*Allium cepa* L.)"

1 Patent proposal: OSIM (State Office for Inventions and Trademarks), Romania.