

Cadrul didactic: **As. univ. dr. chim. Daniela Maria ȘANDRU**

– Teza de doctorat

“Obținerea și caracterizarea unui produs alimentar tonifiant ce valorifică potențialul bioactiv al plantelor autohtone”, conducător științific: prof.dr.ing. Ovidiu TIȚA, Universitatea “Lucian Blaga” Sibiu. 2017.

– Carti si capitole in carti

1. Adina Frum, Daniela Maria Șandru, Ovidiu Tița, *Produse vegetale autohtone cu potențial bioactiv: Considerații teoretice și aplicații*, Editura Universității Lucian Blaga, Sibiu, 210 pg, 2018.
2. Ovidiu Tița, Constantin Oprean (coordonatori) *Perspective actuale privind dezvoltarea durabilă*, **Daniela Maria Șandru** Cap. VII *Caracterizarea unor principii bioactive din plante din flora spontană a României*, Editura Pro Universitaria, București, 2015.
3. **Daniela Maria Șandru** *Caracterizarea unor plante indigene cu potențial bioactiv*, Editura Universității “Lucian Blaga” Sibiu, 214 pg, 2014.

– Lucrari indexate ISI/BDI

1. **D. Sandru**, M. Panaitescu, *Identification and quantification of phenolic compounds in red wines*, Management of Sustainable Development, vol. 11, no.2, p. 43-47, 2019.
2. **D. Sandru**, *Microbiological and GC-MS analisis of horseradish roots (Armoracia Rusticana)*, Management of Sustainable Development, vol. 11, no.2, p. 49-43, 2019.
3. C.T. Ciucure, D.I. Stegarus, **D.M. Sandru**, A. Frum, O. Tita, *The identification and quantification of some phenolic components that are valuable within beverages prepared from indigenous plants* Conference proceeding, 17-International Multidisciplinary Scientific Geoconference, SGEM 2017, Albena Bulgaria, Advances in Biotechnology, ISBN 978-619-7408-12-6 / ISSN 1314-2704, www.sgem.org, p. 729-736, 2017.
4. C.T. Ciucure, D.I. Stegarus, **D.M. Sandru**, E. Lengyel, O. Tita, *Assessment of aromatic compositions from tonic drinks made from indoor plants with bioactive potential*, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, SGEM2017 Vienna GREEN Conference Proceedings, ISBN 978-619-7408-29-4 / ISSN 1314-2704, www.Sgemviennagreen.org, p. 141-146, 2017.
5. Corina Ciucure, **Daniela Șandru**, Ecaterina Lengyel, Ramona Iancu, Ovidiu Tița *Identification and quantification of tannins and anthocyanins from plants with bioactive potential*, Conference proceeding, International Multidisciplinary Scientific Geoconference, SGEM 2016, www.sgem.org, Thomson Reuters, ISI Web of Science, ISI Web of Knowledge, Albena Bulgaria, Advances in Biotechnology, vol. 1, pp. 575-581, 2016.

6. **Daniela Maria Șandru** *The Influence of Geomorphology on the Sensorial Quality of Red Wines from the Șarba wine region, Odobești Vineyard*, International Letters of Natural Sciences, vol. 49, pp. 44-49, 2015.
7. **Daniela Maria Șandru** *Water Quality Management of the Waters of the Romanian River Hârtibaciu*, International Letters of Natural Sciences, vol. 48, pp. 37-42, 2015.
8. **Daniela Șandru**, Violeta Niculescu, Ecaterina Lengyel, Ovidiu Tița *Identification and quantification of total polyphenols in plants with bioactive potentially*, International Journal of Pharmacology, Phytochemistry and Ethnomedicine, vol 4, pp. 47-51, 2016.
9. **Șandru Daniela** *Antimicrobial effect of Escherichia coli on essential oils derived from Romanian aromatic plants*, Acta Universitatis Cibiniensis, Series E: Food Technology, vol 19, nr.1, pp. 87-92, 2015.
10. Stegăruș Diana, Ecaterina Lengyel, **Daniela Șandru**, Dan Mutu, Ramona Iancu, Ovidiu Tița *Optimizing the operation of maceration to obtain quality white wines*, Acta Universitatis Cibiniensis, Series E: Food Technology, vol. 18, nr.1, pp. 59-70, 2014.
11. Ecaterina Lengyel, Letiția Oprean, Diana Stegăruș, Ramona Iancu, **Daniela Șandru**, Dan Mutu, Irina Geana, Ovidiu Tița *Chromatographic detection of rutin in the aromatic and semi aromatic romanian autochthonous musts variety*, Acta Universitatis Cibiniensis, Series E: Food Technology, vol. 18, nr.1, pp. 47-52, 2014.
12. **Daniela Maria Șandru**, Adrian Turtureanu, Cecilia Georgescu *The study of the influence of the main parameters in separating Pb²⁺ ions from diluted aqueous solutions through perlite absorption*, Journal of Agroalimentary Processes and Technologies, vol 19, nr.3, pp. 367-373, 2013.

– Lucrari publicate in reviste si volume de conferinte cu referenti (neindexate)

1. **Daniela Maria Șandru** *The extractive procedures of anthocyanin compounds in food macerates*, CEFood Congress, 9th Central European Congress on Food, 24-26.05.2018, Sibiu, 2018.
2. **Daniela Maria Șandru** *The quantification of esters from autochthonous plants with GC/FID system*, CEFood Congress, 9th Central European Congress on Food, 24-26.05.2018, Sibiu, 2018.
3. **Daniela Maria Șandru**, *Identificarea și cuantificarea polifenolilor în băuturile tonifiante ce valorifică potențialul bioactiv al unor plante indigene*, AGRI-FOOD, 2017“AGRICULTURE AND FOOD FOR THE XXI CENTURY”, 2017.
4. **Daniela Maria Șandru** *Bioactive plants - valuable source of tannins*, Agri-Food Sciences, Processes and Technologies, 24-25 mai, Sibiu, 2015.
5. **Daniela Maria Șandru** *Studii privind optimizarea procedurilor de extracție a compușilor antocianici din Păducel (Crataegus monogyna) în vederea utilizării acestuia în macerate alimentare*, Humanities and Social Sciences Today. Classical and Contemporary Issues, 7-10 mai, Iași, 2015.

- Brevete (pentru intreaga ativitate)
NU AM BREVETE