

L I S T A

lucrărilor științifice

Ș.l. Dr. Ing. **GAVRILAȘ Simona**

A. Teza de doctorat

Studii privind aplicarea tratamentelor enzimaticice pentru îmbunătățirea calității sucurilor de fructe. *Polihidroxifenoli-conținut și compoziție*, Universitatea „Politehnica” din București, 2014.

B. Cărți și capitole publicate

B1. Simona Gavrilaș, Oana Brînzan, Capitolul 1 „Managementul resurselor naturale, sustenabilitatea în antreprenoriat și inovarea ecologică”, pp. 7-19, în: *Eco-antreprenoriat. Concepte și exemple de bune practici*, Editura Universității „Aurel Vlaicu” din Arad, Arad, **2023**, ISBN 978-973-752-911-4.

B2. Oana Brînzan, **Simona Gavrilaș**, Capitolul 3 „Eco-Antreprenoriatul, o călătorie a conștientizării spre protecția mediului”, pp. 33-44, în: *Eco-antreprenoriat. Concepte și exemple de bune practici*, Editura Universității „Aurel Vlaicu” din Arad, Arad, **2023**, ISBN 978-973-752-911-4.

B3. Simona Gavrilaș, Chapter 20 ”A Sustainable Nutritional Behavior in the Era of Climate Changes”, pp. 285-295, in: *Smart and Sustainable Technology for Resilient Cities and Communities. Advances in Sustainability Science and Technology*, Editori Howlett, R.J., Jain, L.C., Littlewood, J.R., Balas, M.M., Springer, Singapore, **2022**, e-Book ISBN 978-981-16-9101-0. https://doi.org/10.1007/978-981-16-9101-0_20

B4. Simona Gavrilaș, Ryszard M. Kozłowski, Chapter 7 „*Natural Lignocellulosic Raw Material As A Source Of Nanocellulosic Fibres*”, pp. 135-147, in *Natural Fibres: Properties, Mechanical behavior, Functionalization and Application*, Editors: Ryszard Michal Kozłowski, Malgorzata Muzyczek, Nova Science Publishers, Inc., New York, **2017**, ISBN: 978-1-53612-071-4.

B5. Simona Gavrilaș, Michaela Dina Stănescu, „Polihidroxifenoli alimentari: structuri, surse, proprietăți, influența tratamentelor enzimaticice”, Editura Universității „Aurel Vlaicu” Arad, **2015**, ISBN 978-973-752-688-5.

B6. Michaela Dina Stănescu, Sergiu Erich PALCU, **Simona Gavrilaș**, „Biochimie analitică. Aplicații și probleme Ediție adăugită și revizuită”, Editura Universității „Aurel Vlaicu” Arad, **2012**, ISBN 978-973-752-638-0, (*îndrumător de laborator*).

C. Lucrări indexate ISI/BDI publicate

Reviste ISI:

2024

C1. **Simona Gavrițaș**, Mihaela Dochia, Andreea-Raluca Sărsan, Bianca-Denisa Chereji, Florentina-Daniela Munteanu, Use of Vegetable Waste for New Ecological Methods in Wool Fibre Treatments. *Clean Technol.*, **2024**, 6(4), 1326-1339. <https://doi.org/10.3390/cleantechnol6040063>

C2. Florentina Bud, Simona Perța-Crișan, Claudiu-Ștefan Ursachi, **Simona Gavrițaș**, Florentina-Daniela Munteanu, Wastewater global pollution index as an indicator in assessing the quality of the effluent from the arad municipal treatment plant. *St. Cerc. St. CICBIA*, **2024**, 25 (3), <https://doi.org/10.29081/ChIBA.2024.604>

C3. Andreea Gostaviceanu, **Simona Gavrițaș**, Lucian Copolovici, Dana Maria Copolovici, Graphene-Oxide Peptide-Containing Materials for Biomedical Applications. *Int. J. Mol. Sci.*, **2024**, 25, 10174. <https://doi.org/10.3390/ijms 251810174>

C4. **Gavrițaș S.**, Coșarbă E., Roman A. F., Torkos H., Kelemen G., Assessing the opportunities offered by the implementation of the teaching method through thematic project for future teachers in preschool and primary education. *Revista Românească pentru Educație Multidimensională*, **2024**, 16(3), 64-87, <https://doi.org/10.18662/rrem/16.3/883>.

C5. Ramona-Carmen Hărțau, Claudiu-Ștefan Ursachi, Simona Perța-Crișan, **Simona Gavrițaș**, Florentina-Daniela Munteanu, Source risk assessment for heavy metals in soil on the site of a hydrocarbon power plant. *St. Cerc. St. CICBIA*, **2024**, 25 (2), 203-214. <https://doi.org/10.29081/ChIBA.2024.595>

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C6. Elena Violeta Blidar, **Simona Gavrițaș**, Claudiu-Ștefan Ursachi, Simona Perța-Crișan, Florentina-Daniela Munteanu, Perceptions on Drinking Water and Wastewater in a Local Area in Western Romania. *Applied Sciences*, **2023**, 13, no. 20: 11401. <https://doi.org/10.3390/app132011401>. **I.F. 2.7**

C7. Andreea Gostaviceanu, **Simona Gavrițaș**, Lucian Copolovici, Dana-Maria Copolovici, Membrane-Active Peptides and Their Potential Biomedical Application. *Pharmaceutics*, **2023**, 15, 2091. <https://doi.org/10.3390/pharmaceutics15082091>. **I.F. 5.4**

C8. Eugenia Țigan, Monica Lungu, Oana Brînzan, Radu Lucian Blaga, Ioana Anda Milin, **Simona Gavrițaș**, Responsibility as an Ethics and Sustainability Element during the Pandemic. *Behav. Sci.* **2023**, 13, 615. <https://doi.org/10.3390/bs13070615>. **I.F. 2.6**

2022

C9. Maria-Daniela Mot, **Simona Gavrițaș**, Andreea I. Lupitu, Cristian Moisa, Dorina Chambre, Delia Mirela Tit, Mihaela Alexandra Bogdan, Adina-Maria Bodescu, Lucian Copolovici, Dana Maria Copolovici, Simona Gabriela Bungau, *Salvia officinalis L.* Essential Oil: Characterization, Antioxidant Properties, and the Effects of Aromatherapy in Adult Patients. *Antioxidants*, **2022**, 11, 808. <https://doi.org/10.3390/antiox11050808>. **I.F. 6.313**

C10. Andreea Lupitu, Cristian Moisa, **Simona Gavrițaș**, Mihaela Dochia, Dorina Chambre, Virgiliu Ciutină, Dana Maria Copolovici, Lucian Copolovici, The Influence of Elevated CO₂ on Volatile Emissions, Photosynthetic Characteristics, and Pigment Content in

Brassicaceae Plants Species and Varieties. *Plants*, **2022**, *11*, 973. <https://doi.org/10.3390/plants11070973>. **I.F. 3.935**

C11. Eugenia Țigan, Radu Lucian Blaga, Florin-Lucian Isac, Monica Lungu, Ioana Anda Milin, Florin Tripa, *Simona Gavrilaș*, Analysis of Sustainable Communication Patterns during the Telework Period in Western Romanian Corporations. *Int. J. Environ. Res. Public Health*, **2022**, *19*, 9796. <https://doi.org/10.3390/ijerph19169796>. **I.F. 4.614**

C12. *Simona Gavrilaș*, Claudiu Ștefan Ursachi, Simona Perța-Crișan and Florentina-Daniela Munteanu, Recent Trends in Biosensors for Environmental Quality Monitoring. *Sensors*, **2022**, *22*, 1513. <https://doi.org/10.3390/s22041513>. **I.F. 3.576**

C13. *Simona Gavrilaș*, Ioan Calinovici, Sabin Chiș, Claudiu-Ștefan Ursachi, Mirabela Raț and Florentina-Daniela Munteanu, White Grape Pomace Valorization for Remediating Purposes. *Appl. Sci.*, **2022**, *12*, 1997. <https://doi.org/10.3390/app12041997>. **I.F. 2.679**

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C14. Eugenia Țigan, Oana Brînzan, Ciprian Obrad, Monica Lungu, Nicoleta Mateoc-Sîrb, Ioana Anda Milin, *Simona Gavrilaș*, The Consumption of Organic, Traditional, and/or European Eco-Label Products: Elements of Local Production and Sustainability. *Sustainability*, **2021**, *13*, 9944. <https://doi.org/10.3390/su13179944>. **I.F. 3.251**.

C15. Simona Perța-Crișan, Claudiu Ștefan Ursachi, *Simona Gavrilaș*, Florin Oancea, Florentina-Daniela Munteanu, Closing the loop with keratin-rich fibrous materials. *Polymers*, **2021**, *13*, 1896. <https://doi.org/10.3390/polym13111896>. **I.F. 3.426**

2020

C16. *Simona Gavrilaș*, Claudiu-Ștefan Ursachi, Mihaela Dochia, Simona Perța-Crișan, Florentina-Daniela Munteanu, The influence of different vacuum impregnation solutions on the colour of fresh-cut apple slices. *St. Cerc. St. CICBIA*, **2020**, *21* (4), 523-531.

2019

C17. Violeta Năstuneac, *Simona Gavrilaș*, Florentina-Daniela Munteanu, Assesment of the water quality in Siret hydrographic basin. *St. Cerc. St. CICBIA*, **2019**, *20* (3), 471-480.

C18. Dorina Chambre, Mihaela Dochia, *Simona Gavrilaș*, TG/DTG analysis of an eco-friendly scoured fabric, **2019**, *Rev. Roum. Chim.*, *64*(5), 353-460. **I.F. 0.370**

C19 Violeta Nastuneac, Mirela Panainte-Lehadus, Emilian Florin Mosnegut, *Simona Gavrilaș*, Gabriela Cioca, Florentina-Daniela Munteanu, Removal of Cypermethrin from Water by Using *Fucus Spiralis* Marine Alga. *Int. J. Environ. Res. Public Health*, **2019**, Volume 16, Issue 19, 3663.

2018

C20. Dorina-Rodica Chambre, *Simona Gavrilaș*, Michaela Dina Stanescu, Crisan Popescu, Thermal analysis for depiction of a laccase-PVA biocomposite. **2018**, *Rev. Roum. Chim.*, *63*(9), 855-860. **I.F. 0.370**

C21. Mihaela Dochia, Dorina Chambre, *Simona Gavrilaș*, Cristian Moisă, Characterization of the complexing agents' influence on bioscouring cotton fabrics by FT-

IR and TG/DTG/DTA analysis. *J. Therm. Anal. Calorim.*, **2018**, 132(3), 1489-1498. **I.F. 2.209**

2016

C22. **Simona Gavrilas**, Michaela Dina Stănescu, Improving the antioxidant properties of wild raspberry juice by enzymatic treatments. *Rev. Chim.-Bucharest*, **2016**, 67, 219-222. **I.F. 1.232**

2012

C23. Michaela Dina Stănescu, **Simona Gavrilas**, Roland Ludwig, Dietmar Haltrich, Vladimir I. Lozinsky, Preparation of immobilized *Trametes pubescens* laccase on a cryogel-type polymeric carrier and application of the biocatalyst to apple juice phenolic compounds oxidation. *Eur. Food Res. Technol.*, **2012**, 234, 655-662. **I.F. 1.463**

2010

C25. Michaela Dina Stănescu, Magdalena Fogorasi, Boris. L. Shaskolskiy, **Simona Gavrilas**, Vladimir. I. Lozinsky, New Potential Biocatalysts by Laccase Immobilization in PVA Cryogel Type Carrier, *Appl. Biochem. Biotechnol.*, **2010**, 160, 1947-1954. **I.F. 1.530**

C25. Maria-Raluca Szabo, Dana Radu, **Simona Gavrilas**, Dorina Chambre, Cornelia Iditoiu, Antioxidant and antimicrobial properties of selected spice extracts. *Int. J. Food Prop.*, **2010**, 13, 535-545. **I.F. 1.200**

ISI Proceedings:

2018

C26. Mihaela Dochia, Monica Pustianu, Cristian Moisă, Dorina Chambre, **Simona Gavrilas**, Sodium citrate as an eco-friendly complexing agent for the bioscouring treatment of the cellulosic/lignocellulosic fabrics, **2018**, *Chem. Pap.*, 72(8), 1881-1888. **I.F. 0.963**

2016

C27. Dochia Mihaela, **Gavrilas Simona**, Pustianu Monica, Tomescu Daniel, Copolovici Dana Maria, Comparative study regarding the influence of the complexing agents EDTA and sodium citrate on the 50% flax-50% cotton fabrics during the bioscouring treatment. *16th International Multidisciplinary Scientific Geoconference SGEM 2016, Book 6, Nano, Bio and Green-Technologies for a Sustainable Future, Conference Proceedings*, **2016**, III, ISBN 978-619-7105-79-7, ISSN 1314-2704, DOI 10.5593/sgem2016HB63, 223-230.

C28. Monica Pustianu, Mihaela Dochia, Cecilia Sîrghie, **Simona Gavrilas**, Daniel Tomescu, Treatment optimization for bioscouring in ultrasound of cotton/cottonised hemp blended fabrics. *Proceedings of the 7th International Workshop on Soft Computing Applications (SOFA 2016)*, Volume 2, Advances in Intelligent Systems and Computing 634, Springer Publishing, DOI: 10.1007/978-3-319-62524-9_44, 595-604.

C29. Bălaş Marius, Sîrghie Cecilia, Pustianu Monica, Dochia Mihaela, **Gavrilas Simona**, Tomescu Daniel, Fuzzy method applied on the control of textiles biotechnologies. *Proceedings of the 7th International Workshop on Soft Computing Applications (SOFA 2016)*, Volume 2, Advances in Intelligent Systems and Computing 634, Springer Publishing, DOI: 10.1007/978-3-319-62524-9_45, 605-611.

IDB journals:

2023

C30. Simona Gavrilaş, Eugenia Țigan, Oana Brinzan, Radu-Lucian Blaga, *Biomass utilization as sustainable energetic root. Proceedings of 23rd International Multidisciplinary Scientific GeoConference SGEM 2023*, 2023, ISBN 978-619-7603-65-1, DOI 10.5593/sgem2023V/4.2/s17.51

2022

C31. Simona Gavrilaş, Eugenia Țigan, Oana Brînzan, Preliminary analysis of the degree of awareness of the climate change causes and the impact of the ongoing actions. *Proceedings of 22nd International Multidisciplinary Scientific GeoConference SGEM 2022*, 2022, ISBN 978-619-7603-50-7, DOI 10.5593/sgem2022V/4.2/s19.47.

C32. Gavrilaş Simona, Green methods that are used to ensure the sustainable development of the environment and the society. *MATEC Web of Conferences*, 2022, 354, 00062, <https://doi.org/10.1051/matecconf/202235400062>.

2021

C33. Mihaela Dochia, Nicolae Dincă, **Simona Gavrilaş**, Comparative study of the chelating agents influence on the weight loss of cotton fabrics during enzymatic scouring. *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 18 (XIX), 2021, 3-9.

C34. Dochia Mihaela, **Gavrilaş Simona**, Characteristics of Wastewater from Different Pretreatments of Flax/Cotton Fabrics. *Adv. Eng. Forum.*, 2021, 42, 143-150.

C35. Dochia Mihaela, **Gavrilaş Simona**, Szabo Monica, Dyeing of cotton materials after bioscouring and enzymatic bleaching treatments. *Annals of the University of Oradea Fascicle of textiles, leatherwork*, 2021, 22, No. 1, ISSN 1843-813X, 83-88.

C36. Szabo Monica, Dochia Mihaela, Gavrilaş Simona, Comparative study between polyamide/elastane and cotton/polyamide/elastane socks. *Annals of the University of Oradea Fascicle of textiles, leatherwork*, 2021, 22, No. 2, ISSN 1843-813X, 33-38.

2020

C37. Simona Gavrilaş, Students knowledge assessment criteria. *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 17 (XVIII), 2020, 9-14.

C38. Mihaela Dochia, **Simona Gavrilaş**, Eco-friendly method for pretreatment of lignocellulosic textiles. *Proceedings of the XI International Scientific Agricultural Symposium "Agrosym 2020"*, 2020, ISBN 978-99976-787-5-1, 651-656.

C39. Dochia Mihaela, **Gavrilaş Simona**, Szabo Monica, Study of the experimental conditions in bioscouring treatment of cotton-hemp blended fabrics. *Annals of the University of Oradea Fascicle of textiles, leatherwork*, 2020, 21, No. 1, ISSN 1843-813X, 21-26.

C40. Szabo Monica, Dochia Mihaela, **Gavrilaş Simona**, The behaviour of rib 1:1 and 2:2 knitted cotton fabrics during different solicitations and treatments. *Annals of the University of Oradea Fascicle of textiles, leatherwork*, 2020, 21, No. 1, ISSN 1843-813X, 127-132.

2019

C41. Gavrilaş Simona, Improvement of didactic methods used in science domain. *Scien. Tech. Bull-Chem. Food Sci. Eng., Vol. 16(XVII)*, **2019**, 23-28

C42. Simona Gavrilaş, Violeta Năstuneac, Florentina-Daniela Munteanu, Treatment of hemp retting wastewaters: use of by-products from winemaking industry. International Symposium "The environment and the industry", SIMI, **2019**, Proceeding Book, 107-112, DOI: <http://doi.org/10.21698/simi.2019.fp14>

C43. Andreea Bujdei, Simona Gavrilaş, Mihaela Dochia, Florentina-Daniela Munteanu, Vegetable food waste for cotton dyeing-new directions for environmental sustainability. International Symposium "The environment and the industry", SIMI, **2019**, Proceeding Book, 113-120, DOI: <http://doi.org/10.21698/simi.2019.fp15>

C44. Gavrilaş Simona, Brînzan Oana, Țigan Eugenia, Circular agri-food models-opportunity for new bio based business models. *6th SWS International Scientific Conference on social sciences 2019, Economics & Finance, Business & Management, Conference Proceedings*, **2019**, 6, Issue 2, ISBN 978-619-7408-92-8, DOI 10.5593/SWS.ISCSS.2019.2, 49-55.

C45. Brînzan Oana, Gavrilaş Simona, Țigan Eugenia, Agriculture as a result of ecosystem service. *6th SWS International Scientific Conference on social sciences 2019, Economics & Finance, Business & Management, Conference Proceedings*, **2019**, 6, Issue 2, ISBN 978-619-7408-92-8, DOI 10.5593/SWS.ISCSS.2019.2, 11-16.

C46. Dochia Mihaela, Gavrilaş Simona, Physico-chemical parameters of residual water from different scouring treatments of hemp/cotton fabric. *Annals of the University of Oradea Fascicle of textiles, leatherwork*, **2019**, XX, No. 1, ISSN 1843-813X, 41-46.

C47. Gavrilaş Simona, Dochia Mihaela, Efficiency assessment of the different scouring conditions of cotton materials by ruthenium red dyeing. *Annals of the University of Oradea Fascicle of textiles, leatherwork*, **2019**, XX, No. 2, ISSN 1843-813X, 39-44.

2018

C48. Eugenia Țigan, Simona Gavrilaş, Oana Brînzan, Monica Lungu, Anda Ioana Milin, Promoting sustainable development through eco-labelled products, study case for some consumer products. *18th International Multidisciplinary Scientific Geoconference SGEM 2018, Energy and Clean Technologies, Conference Proceedings*, **2018**, 17, Issue 4.3, ISBN 978-619-7408-70-6, doi.org/10.5593sgem2018/4.3, 87-95.

C49. Gavrilaş Simona, Meșter Mihaela-Georgina, Marty Jean-Louis, Munteanu Florentina-Daniela, Immunological and chemical assay made on traditional dairy. *18th International Multidisciplinary Scientific Geoconference SGEM 2018, Nano, Bio, Green and Space-Technologies for a Sustainable Future, Conference Proceedings*, **2018**, 18, Issue 6.2, ISBN 978-619-7408-51-5, ISSN 1314-2704, doi.org/10.5593/sgem2018/6.2, 237-244.

C50. Dochia Mihaela, Gavrilaş Simona, Pustianu Monica, Moisă Cristian, Chambre Dorina, Waste water analysis from a new green pretreatment of cotton fabrics. *Annals of the University of Oradea Fascicle of textiles, leatherwork*, **2018**, XIX, No. 2, ISSN 1843 – 813X, 37-42.

C51. Pustianu Monica, Dochia Mihaela, Gavrilaş Simona, Moisă Cristian, Biotreatment optimization for a cellulosic/lignocellulosic blended fabric. *Annals of the*

University of Oradea Fascicle of textiles, leatherwork, **2018**, XIX, No. 1, ISSN 1843-813X, 83-88.

C52. Monica Pustianu, Mihaela Dochia, **Simona Gavrilaş**, Daniel Tomescu, Comparative study on treatment bioscouring optimization with and without ultrasound for 50 % of cotton + 50 % of flax materials. *Adv. Eng. Forum.*, **2018**, 27, 111-117.

2017

C53. Dochia Mihaela, Pustianu Monica, **Gavrilaş Simona**, Tomescu Daniel, Copolovici Dana Maria, Study of the ultrasound efficiency on bioscouring treatment of hemp-cotton fabrics. *17th International Multidisciplinary Scientific Geoconference SGEM 2017, Micro and Nano Technologies Advanced in Biotechnology, Conference Proceedings*, **2017**, 17, Issue 61, ISBN 978-619-7408-12-6, ISSN 1314-2704, DOI 10.5593/sgem2017/61, 1015-1023.

C54. Pustianu Monica, Dochia Mihaela, **Gavrilaş Simona**, Tomescu Daniel, Study of the efficiency of bioscouring by determination of the residual Ca²⁺ from flax-cotton fabrics. *17th International Multidisciplinary Scientific Geoconference SGEM 2017, Micro and Nano Technologies Advanced in Biotechnology, Conference Proceedings*, **2017**, 17, Issue 61, ISBN 978-619-7408-12-6, ISSN 1314-2704, DOI 10.5593/sgem2017/61, 1007-1014.

C55. Dochia Mihaela, Pustianu Monica, **Gavrilaş Simona**, Tomescu Daniel, Copolovici Dana Maria, Study on the influence of ultrasound in bioscouring treatment of 50 % of flax + 50 % of cotton fabrics. *Annals of the University of Oradea, Fascicle of textiles, leatherwork*, **2017**, XVIII, No. 1, ISSN 1843-813X, 27-32.

C56. Pustianu Monica, Dochia Mihaela, **Gavrilaş Simona**, Tomescu Daniel, Copolovici Dana Maria, Study on the bioscouring treatment of 50 % of hemp + 50 % of cotton fabrics. *Annals of the University of Oradea, Fascicle of textiles, leatherwork*, **2017**, XVIII, No. 2, ISSN 1843-813X, 29-34.

2012

C57. **Simona Gavrilaş**, Florina Dumitru, Michaela Dina Stănescu, Commercial laccase oxidation of phenolic compounds. *U.P.B. Sci. Bull., Series B: Chemistry and Material Sciences*, **2012**, 74, Iss. 4, 3-10.

D. Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate)

2024

D1. Radu-Lucian Blaga, Eugenia Țigan, **Simona Gavrilaş**, Economic and environmental approaches for agro-based sectors sustainable development. *Proceedings of the 1st International Conference TENDEV 2023-Challenges and Strategies for Sustainable Development facing the Climate Change*, **2024**, Peter Lang GmbH, Berlin, Germany, E-ISBN 978-3-631-92299-6 (EPUB); <https://doi.org/10.3726/b22066>.

2021

D2. **Simona Gavrilaş**, Graficul psihologic al școlarului mic. Comunicări științifice ale studenților participanți la sesiunea studentească-EfaStud 2020, Ediția a XII-a, *Rolul educației*

în formarea competențelor profesionale inițiale în perioada pandemiei COVID-19, Editura Universității „Aurel Vlaicu” din Arad, **2021**, ISBN 978-973-752-853-7, 34-37.

2017

D3. Simona Gavrițaș, Florentina-Daniela Munteanu, Determination of ascorbic acid in fruit juices. *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 14(XV), **2017**, 33-37.

2015

D4. Simona Gavrițaș, Învățarea, afecțiunea socială și jocul, stări dominante în dezvoltarea individuală. Profesorul Florea Voiculescu la 65 de ani-Volum aniversar-Studii de pedagogie, Editura Didactică și Pedagogică. R.A., București, ISBN 978-606-31-0023-9, **2015**, 152-158.

2014

D5. Gavrițaș Simona, Parents "trade" where to?. 3rd International Conference "Modernity and competitiveness in Education", Bucharest, 14 May **2014**, ISSN 2248-230x.

2013

D6. Simona Gavrițaș, Mirela Gornic, Eleonora Bundiș, Creativity in pedagogical research. Annual Training Conference papers „*Research and practice in modern teaching*“, Alba Iulia, **2013**, ISSN 2344-4142, 142-145.

2010

D7. Michaela Dina Stănescu, Dorina Rodica Chambre, **Simona Gavrițaș**, Adina-Maria Bodescu, Thermal degradation of free and immobilized laccase. *Scien. and Techn. Bull. Chemistry, Food Sciences & Engineering*, **2010**, *14*, 18-21.

2008

D8. Radu Dana Gina, **Gavrițaș Simona**, Stănescu Michaela Dina, Pectinases for improving raspberry and blackberry juice production. *Scien. and Techn. Bull. Chemistry, Food Sciences & Engineering*, **2008**, *13*, 121-124.

2007

D9. Chambre Dorina, Szabo Maria-Raluca, **Gavrițaș Simona**, Idițoiu Cornelia, Enzymatic analysis of glucose, fructose and saccharose mixtures in food stuffs. *Scien. and Techn. Bull. Chemistry, Food Sciences & Engineering*, **2007**, *12*, 40-44.

E. Brevete obținute în întreaga activitate

F. Contracte de cercetare în întreaga activitate

Coordonator partener proiect internațional:

E1. 01.11.2023-31.10.2026, ERASMUS+ Project 2023-1-DE01-KA220-HED-000166720-The Future of Precision Agriculture-Machine Learning for Autonomous decision Mechanisim- "SMART Farming"

E2 06.04.2020-05.04.2022, Project 2019-3-TR01-KA205-080177-”Green Thinking Entrepreneur Youth”

Director de proiecte naționale:

E3 12.11.-10.12.2019, PN-III-P1-1.1-MC-2019-2082.

E4 29.06-10.07.2018, PN-III-P1-1.1-MC-2018-0469.

E5 31.01-02.03.2018, PN-III-P1-1.1-MC-2017-2337.

Granturi de mobilitate și cercetare

E6 26-28 November 2012, Travel grant at FP7 FCUB-ERA-Belgrade Food International Conference, Belgrad, Serbia.

E7 7-10.09.2011, “Travel grant for students and researchers from Central and Eastern Europe at CEEC-TAC1 by CEEC-TAC” (1st Central and Eastern European Conference on Thermal Analysis and Calorimetry), Craiova, Romania.

E8 31.08-03.09.2011, ESF Student Grant oferit de European Science Foundation at 4ECCLS (4th European Conference on Chemistry for Life Sciences), Budapest, Hungary.

E9 23-25 September 2009, Travel grant at 3rd Annual workshop and Management Committee meeting of COST Action 928, University of Agriculture Congress Centre, Krakow, Poland.

E10 15.03-15.05.2009, COST-STSM-928-04562 Grant Utilisation of different types of laccase for improving food quality, Viena, Austria.

Membru în echipa proiectelor internaționale:

E11 2015, Biodiversitatea speciilor cu înaltă valoare funcțională și nutraceutică, Consiglio Nazionale delle Ricerche-Istituto di Bioscienze e Bioresorse-(IBBR-CNR) Basilicata-Italy.

Membru în echipa proiectelor naționale:

E12 01.07.2022-31.12.2024, Sisteme cu peptide penetrante cellular ca potențiale platforme utilizate în tratamentul cancerului mamar și de prostată, PN-III-P4-PCE-2021-0639

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