

L I S T
of the scientific papers
GAVRILAȘ Simona

A. Thesis

Studies on the application of enzymatic treatments to improve the quality of fruit juice. *Phenols-content and composition.* "Politehnica" University of Bucharest, 2014.

B. Books and chapters published

B1. Simona Gavrițaș, Oana Brînzan, Chapter 1 „Managementul resurselor naturale, sustenabilitatea în antreprenoriat și inovarea ecologică”/”Natural Resource Management and Sustainability in Green Entrepreneurship and Green Innovation”, pp. 7-19, in: Eco-antreprenoriat. Concepte și exemple de bune practice/Eco-entrepreneurship. Principles and examples of good practice, "Aurel Vlaicu" University Publisher, Arad, **2023**, ISBN 978-973-752-911-4.

B2. Oana Brînzan, **Simona Gavrițaș**, Chapter 3 „Eco-Antreprenoriatul, o călătorie a conștientizării spre protecția mediului”/”Green entrepreneurship-a journey of environmental awareness”, pp. 33-44, in: Eco-antreprenoriat. Concepte și exemple de bune practice/Eco-entrepreneurship. Principles and examples of good practice, "Aurel Vlaicu" University Publisher, Arad, **2023**, ISBN 978-973-752-911-4.

B3. Simona Gavrițaș, 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, Editors: 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 Gavrițaș, 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 Gavrițaș, Michaela Dina Stănescu, „Polihidroxifenoli alimentari: structuri, surse, proprietăți, influența tratamentelor enzimatică”/“Polyhydroxy food phenols: structure, sources, properties, influence of the enzymatic treatments”, "Aurel Vlaicu" University Publisher, Arad, **2015**, ISBN 978-973-752-688-5.

B6. Michaela Dina Stănescu, Sergiu Erich PALCU, **Simona Gavrițaș**, „Biochimie analitică. Aplicații și probleme Ediție adăugită și revizuită”/”Analytical Biochemistry. Applications and problems. Revised and enlarged edition“, "Aurel Vlaicu" University Publisher, Arad, **2010**, ISBN 978-973-752-498-0 (*laboratory guide*).

C. Published ISI/IDB papers

ISI journals:

C1. 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**

C2. Andreea Lupitu, Cristian Moisa, **Simona Gavrilaş**, 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**

C3. **Simona Gavrilaş**, 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**

C4. **Simona Gavrilaş**, 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**

C5. Eugenia Țigan, Oana Brînzan, Ciprian Obrad, Monica Lungu, Nicoleta Mateoc-Sîrb, Ioana Anda Milin, **Simona Gavrilaş**, 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.**

C6. Simona Perța-Crișan, Claudiu Ștefan Ursachi, **Simona Gavrilaş**, 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**

C7. **Simona Gavrilaş**, 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.

C8. Violeta Năstuneac, **Simona Gavrilaş**, Florentina-Daniela Munteanu, Assesment of the water quality in Siret hydrographic basin. *St. Cerc. St. CICBIA*, **2019**, 20 (3), 471-480.

C9. Dorina Chambre, Mihaela Dochia, **Simona Gavrilaş**, TG/DTG analysis of an eco-friendly scoured fabric, **2019**, *Rev. Roum. Chim.*, 64(5), 353-460. **I.F. 0.370**

C10. Dorina-Rodica Chambre, **Simona Gavrilas**, Michaela Dina Stănescu, Crisan Popescu, Thermal analysis for depiction of a laccase-PVA biocomposite. **2018**, *Rev. Roum. Chim.*, 63(9), 855-860. **I.F. 0.370**

C11. Mihaela Dochia, Dorina Chambre, **Simona Gavrilaş**, 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**

C12. **Simona Gavrilaş**, 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**

C13. Michaela Dina Stănescu, **Simona Gavrilaş**, 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**

C14. 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**

C15. 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:

C16. 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**

C17. 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.

C18. 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.

C19. 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:

C20. **Simona Gavrilas**, 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*, ISBN 978-619-7603-50-7, DOI 10.5593/sgem2022V/4.2/s19.47.

C21. Eugenia Țigan, Radu Lucian Blaga, Florin-Lucian Isac, Monica Lungu, Ioana Anda Milin, Florin Tripa, **Simona Gavrilas**, 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**

C22. **Gavrilas 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>.

C23. Mihaela Dochia, Nicolae Dincă, **Simona Gavrilas**, 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.

C24. Dochia Mihaela, **Gavrilas Simona**, Characteristics of Wastewater from Different Pretreatments of Flax/Cotton Fabrics. *Adv. Eng. Forum.*, **2021**, *42*, 143-150.

C25 Dochia Mihaela, **Gavrilas 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.

C26. 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.

C27. **Simona Gavrilaş**, Students knowledge assessment criteria. *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 17 (XVIII), **2020**, 9-14.

C28. 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.

C29. 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.

C30. 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.

C31. **Gavrilaş Simona**, Improvement of didactic methods used in science domain. *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 16(XVII), **2019**, 23-28

C32 **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>

C33. Violeta Nastuneac, Mirela Panainte-Lehadus, Emilian Florin Mosnegut, **Simona Gavrilas**, 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. **I.F. 2.468**.

C34. 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>

C35. **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.

C36. 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.

C37. 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.

C38. **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.

C39. Eugenia Țigan, **Simona Gavrițaș**, 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.

C40. **Gavrițaș 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.

C41. Dochia Mihaela, **Gavrițaș 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.

C42. Pustianu Monica, Dochia Mihaela, **Gavrițaș 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.

C43. Monica Pustianu, Mihaela Dochia, **Simona Gavrițaș**, 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.

C44. Dochia Mihaela, Pustianu Monica, **Gavrițaș 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.

C45. Pustianu Monica, Dochia Mihaela, **Gavrițaș 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.

C46. Dochia Mihaela, Pustianu Monica, **Gavrițaș 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.

C47. Pustianu Monica, Dochia Mihaela, **Gavrițaș 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.

C48. **Simona Gavrițaș**, 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. Papers published in journals and conference volumes reviewers (unindexed)

D.1 Simona Gavrițaș, The childrens psychological chart. Students participation to the scientific communications-EfaStud 2020, XIIth Edition, *The role of education in the formation of initial professional skills during the COVID-19 pandemic*, "Aurel Vlaicu" University Publishing House, **2021**, ISBN 978-973-752-853-7, 34-37.

D.2 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.

D.3 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.

D.4 Gavrițaș Simona, Parents "trade" where to?. 3rd International Conference "Modernity and competitiveness in Education", Bucharest, 14 May **2014**, ISSN 2248-230x.

D.5 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.

D.6 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.

D.7 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.

D.8 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. Research contracts

Internațional proiect, national partener coordinator:

E1 06.04.2020-05.04.2022, ERASMUS+ **Project** 2019-3-TR01-KA205-080177-"Green Thinking Entrepreneur Youth"

National projects director:

E2 12.11.-10.12.2019, PN-III-P1-1.1-MC-2019-2082

E3 29.06-10.07.2018, PN-III-P1-1.1-MC-2018-0469.

E4 31.01-02.03.2018, PN-III-P1-1.1-MC-2017-2337.

Mobility and research grants director:

E5 26-28 November 2012, *Travel grant* at **FP7 FCUB-ERA**-Belgrade Food International Conference, Belgrad, Serbia.

E6 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.

E7 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.

E8 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.

E9 15.03-15.05.2009, **COST-STSM-928-04562 Grant** *Utilisation of different types of laccase for improving food quality*, Viena, Austria.

Member of the international project team:

E10 2015, *Biodiversity and species with high functional nutraceutical value*, Consiglio Nazionale delle Ricerche-Istituto di Bioscienze e Bioresorse-(IBBR-CNR) Basilicata-Italy.

Member of the national project team:

E11 01.07.2022-31.12.2023, *Cell-penetrating peptides-containing systems as a potential platform for the use in breast and prostate cancer treatment*, **PN-III-P4-PCE-2021-0639**

E12 01.03.2021-31.12.2022, *The impact of abiotic and biotic stress on plants due to climate change*, **PN-III-P4-ID-PCE-2020-0410**.

E13 01.05.2020-30.11.2020, *Environmental quality assessment laboratory for student practice*, **CNFIS-FDI-2020-0178**.

E14 2018-2020, *Closing the bioeconomy value chains by manufacturing market demanded innovative bioproduct*, **PN-III-P1-1.2-PCCDI-2017-0569**.

E15 2017-2018, *Winemaking by-products applications for wastewater treatment*, **PN-III-P3-3.1-PMRO-FR-2016-0030**.

E16 01.09.-30.11.2016, *Ways of ensuring equity in education and increasing access to higher education*, **CNFIS-FDI-2016-0046**.

E17 01.03.-30.11.2016, 01.05.-31.08.2017, *Environment-friendly technologies for the treatment of cellulosic, lignocellulosic and mixture of those materials*, Project **PN-II-RU-TE-2014-4-1370**.

E18 2008-2009, *New Biomaterials by Enzyme Immobilization in/on Cryogel-Based Macroporous Carriers* (**#07-03-91682 RA_a**).

E19 2007, *New process for obtaining fructose, a natural sweetener with high quality for obese and diabetics*. Grant **C.N.C.S.I.S.**, cod 244.

E20 2006-2008: **Excellence research** consortium CEEEX; VIASAN affiliation: *Expression determination of the glycosphingolipids complex in the central nervous system by integrated multipurpose microchip devices coupled with high performance mass spectrometry*.

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