

L I S T
of scientific works
MIHAELA GEORGINA MEȘTER

A. PhD thesis

"Research regarding the improvement of the physical-chemical and sensorial properties by using additives in the ice-cream industry", „Lucian Blaga” University Sibiu, Faculty of Agricultural Sciences, Food Engineering and Environmental Protection, Romania, PhD supervisor professor Ioan Danciu, field of Industrial Engineering, 2011.

B. Books and chapters published

B1. *Practical Guide for Dairy Product Technology*, Rusănescu Nicolae, Diaconescu Daniela, **Ciurea Mihaela**, Publisher "Aurel Vlaicu" University of Arad, ISBN 973-9361-74-9, pg.97, 2003.

B2. *Technology and quality control in the dairy industry, Practical works*, **Meșter Mihaela**, Publisher "Aurel Vlaicu" University of Arad, ISBN 978-973-752-187-3, pg. 97, 2007.

C. Work ISI / BDI published

C1. Zdremțan Monica, **Meșter Mihaela**, Diaconescu Daniela, Hălmăgean L., Balint Maria - *Study on the effect of ginger tincture on acute Pharyngeal angina*, Journal of Agroalimentary Processes and Technologies, 2013, 19 (4), 470-473; Scientific Conferences, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara, Faculty of Food Processing Technology, The 4th International Conference on Food Chemistry, Engineering & Technology, Mai 2013, ISSN 2343-9459, Volumul I, pag.174.

C2. Diaconescu Daniela, Zdremțan Monica, **Meșter Mihaela**, Hălmăgean L., Balint Maria – *A study on the influence of some biogenic effectors on bread staling. Sensory evaluation*, Journal of Agroalimentary Processes and Technologies, 2013, 19 (2), 247-252; Scientific Conferences, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara, Faculty of Food Processing Technology, The 4th International Conference on Food Chemistry, Engineering & Technology, Mai 2013, ISSN 2343-9459, Volumul I, pag.174.

C3. Balint Maria, Ciutina V., Hălmăgean L., **Meșter Mihaela**, Zdremțan Monica, Diaconescu Daniela – *Biofertilizers use - a cheap and safe alternative to conventional chemical fertilizers Pisum sativum L. and Phaseolus vulgaris L.*, Journal of Agroalimentary Processes and Technologies, 2013, 19 (2), 208-211; Scientific Conferences, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara, Faculty of Food Processing Technology, The 4th International Conference on Food Chemistry, Engineering & Technology, Mai 2013, ISSN 2343-9459, Volumul I, pag.173.

C4. Hălmăgean Lucian, Maria-Mihaela Balint, **Mihaela Meșter**, Daniela Diaconescu, Monica Zdremțan – *The stimulation of morpho-productive characters at Momordica*

charantia L. by using bio-stimulators, International Multidisciplinary Scientific Geoconferences, 14th GeoConference on Nano, Bio and Green – Technologies for a sustainable future, Conference Proceedings, volume 1, Micro and Nano technologies, Advances in Biotechnology, iunie 2014, Albena, Bulgaria, pag. 581 – 584, ISBN 978-619-7105-20-9, ISSN 1314-2704, DOI: 10.5593/sgem2014B61.

C5. Maria-Mihaela Balint, Hălmăgean Lucian, **Mihaela Meșter**, Daniela Diaconescu, Monica Zdremțan – *Using bio-fertilizers in ecological agriculture – safe and cheap alternatives for chemical and conventional fertilizers*, International Multidisciplinary Scientific Geoconferences, 14th GeoConference on Nano, Bio and Green – Technologies for a sustainable future, Conference Proceedings, volume 1, Micro and Nano technologies, Advances in Biotechnology, iunie 2014, Albena, Bulgaria, pag. 585 – 590, ISBN 978-619-7105-20-9, ISSN 1314-2704, DOI: 10.5593/sgem2014B61.

C6. Hălmăgean, L., **Meșter, M.**, Balint, M., Diaconescu, D., Zdremțan, M. – *Contribution to improve the technology of the melon crop with hornes (Cucumis metuliferus) – food and therapeutic species*, International Multidisciplinary Scientific Geoconferences, 15th GeoConference on Nano, Bio and Green – Technologies for a sustainable future, Conference Proceedings, book6, volume 1, Micro and Nano technologies, Advances in Biotechnology, iunie 2015, Albena, Bulgaria, pag. 375 – 380 ISBN 978-619-7105-42-1 / ISSN 1314-2704, DOI: 10.5593/SGEM2015/B61/S25.051.

C7. Hălmăgean, L., Zdremțan, M., Diaconescu, D., **Meșter, M.**, Balint, M. – *Study on getting Momordica Charantia L. canned as new products used in diabetics diet*, International Multidisciplinary Scientific Geoconferences, 15th GeoConference on Nano, Bio and Green – Technologies for a sustainable future, Conference Proceedings, book6, volume 1, Micro and Nano technologies, Advances in Biotechnology, iunie 2015, Albena, Bulgaria, pag. 583 – 588, ISBN 978-619-7105-42-1 / ISSN 1314-2704 DOI: 10.5593/SGEM2015/B61/S25.079.

C8. Gavrilaş Simona, **Meșter Mihaela-Georgina**, Marty Jean Louis, Munteanu Florentina-Daniela – *Immunological and chemical assay made on traditional dairy*, International Multidisciplinary Scientific Geoconference & Expo SGEM, Proceedings, vol. 6.2, Albena, Bulgaria, 2018, 237 – 244, ISBN 978-619-7408-51-5, ISSN 1314-2704.

D. Articles published in journals and conference volumes with reviewers (not indexed)

D1. Ciurea Mihaela - *Considerations regarding the use of additives in the ice cream industry*. Scientific research. Agro-alimentary processes and technologies, vol. VI, Section III - Extracts and natural Agro-alimentary additives, University of Agricultural Sciences and Veterinary Medicine of Banat, Eurostampa Publishing House, Timișoara, 2000, p. 355-362.

D2. Ciurea Mihaela - *Considerations regarding the use of additives in the ice cream industry*. Scientific and Technical Bulletin, Series Chemistry, Food Science and Engineering, "Aurel Vlaicu" University of Arad, Year VI, vol. 5, 2000, ISSN 1582-1021, p. 51-56.

D3. Neagu Simina, **Ciurea Mihaela**, Idițoiu Cornelia - *Current trends in cheese ripening*. Annals of "Aurel Vlaicu" University Arad, Chemistry Series, Food Engineering Fascicule 2000, ISSN 1582-3415, pp. 143-150.

D4. Ciurea Mihaela, Neagu Simina, Tolan Iolanda – *Variations of the level of calcium in pasteurized and reheated cow's milk*. Annals of "Aurel Vlaicu" University Arad, Chemistry Series, Food Engineering Fascicule, 2000, ISSN 1582-3415, p. 245-248.

D5. Idițoiu Cornelia, Neagu Simina, Pancan Bujor, Craiu Iulian, Brînzan Oana, **Ciurea Mihaela** - *The minimal processing concept in food industry, increasing factor of products quality and environmental protection*. Scientific and Technical Bulletin of University "Aurel

Vlaicu" Arad, Series Chemistry, Food Science and Engineering, Volume 6 (VII), 2001, ISSN 1582-1021, p. 1-13.

D6. Ciurea Mihaela, Craiu Claudia, Dincă Nicolae - *GC/ MS study of secondary products resulting of the pheromonal synthesis*. Scientific and Technical Bulletin of "Aurel Vlaicu" University Arad, Series Chemistry, Food Science and Engineering, Volume 6 (VII), 2001, ISSN 1582-1021, p. 29-32.

D7. Canțar Liliana, Radu Dana, **Ciurea Mihaela** - *Glycerol, protective chemical agent of seminal material, used in the cryopreservation biotechnology*. The second French-Romanian colloquium of applied chemistry, COFrRoCA-2002, October 10th-12th, 2002, Bacău, Romania, ISBN 973-8392-04-7 Alma Mater Bacău; ISBN 9975-63-140-1 Tehnica-Info Chișinău, p. 189-192.

D8. Ciurea Mihaela, Dincă Nicolae - *Kinetic study of the oxidant character and the reducing character of orange and lemon flavours*, Annals of "Aurel Vlaicu" University Arad, Series Chemistry, Food Engineering Fascicule, 2002, ISSN 1582-3415, p. 35-42.

D9. Ciurea Mihaela, Grosu Viorica - *The study of the redox character of the extracts of orange and lemon flavours*, Scientific and Technical Bulletin of "Aurel Vlaicu" University Arad, Series Chemistry, Food Science and Engineering, Volume 7 (VIII), 2002, ISSN 1582-1021, p. 70-77.

D10. Ciurea Mihaela, Canțar Liliana - *The identification and dosage of the components of mint, vanilla, orange and lemon oils*. Scientific research. Agro-alimentary processing technologies and processes, Agro-alimentary Processing Science and Quality Symposium, University of Agricultural Sciences and Veterinary Medicine of Banat, Timișoara, May 22nd-23rd, 2003, Agroprint Publishing House, ISSN 1453-1399, p. 163-168.

D11. Canțar L., Zdremțan M., Hălmăgean L., Calinovici I., **Ciurea M.** - *Correlations between different genetic parameters and fertility characteristics in caprine animals*. Scientific papers. Animal Science and Biotechnology, vol. XXXVI, University of Agricultural Sciences and Veterinary Medicine of Banat, Timișoara, May 22nd- 23rd, 2003, Agroprint Publishing House, ISSN 1221-5287, p. 248-252.

D12. Canțar L., Zdremțan M., Hălmăgean L., Calinovici I., **Ciurea M.** - *Possibilities for the conservation of genetic resources in the long term*. Scientific papers. Animal Science and Biotechnology, vol. XXXVI, University of Agricultural Sciences and Veterinary Medicine of Banat, Timișoara, May 22nd- 23rd, 2003, Agroprint Publishing House, ISSN 1221-5287, p. 253-257.

D13. Canțar L., Zdremțan M., **Ciurea M.** - *The biodiversity of the fishery resources of the lower part of the Mureș river, in the western part of Romania*. The works of the "Euro-Aliment 2003" International Symposium, October 23rd- 25th, "Dunărea de Jos" (Lower Danube) University Galați, Academic Publishing House, ISBN 973-8316-68-5, p. 769-775.

D14. Craiu Claudia, Craiu Iulian, **Ciurea Mihaela**, Popa Anca - *Research on the evolution in time of some butter indicators*. Scientific and Technical Bulletin of University "A. Vlaicu" Arad, Series Chemistry, Food Science and Engineering, Volume 8 (IX), 2003, ISSN 1582-1021, p. 60-66.

D15. Ciurea Mihaela, Jianu Ionel - *Analysis of carotenoids from mint extracts*, Scientific Researches. Agro-alimentary Processes and Technologies, volume XI, No. 2, Agroprint Publishing House, Banat University of Agricultural Sciences and Veterinary Medicine Timișoara, 2005, ISSN 1453-1399, p. 261-266.

D16. Popescu Ionel, **Meșter Mihaela**- *Research on the role of lacto-acid probiotic products in inhibiting the development of contamination micro-organisms*. Scientific and Technical Bulletin of "A. Vlaicu" University Arad, Series Chemistry, Food Science and Engineering, Volume 10 (XI), 2005, ISSN 1582-1021, p. 94-98.

D17. Meșter Mihaela, Popescu Ionel - *Research regarding the Enzymatic activity of the Penicillium roqueforty mould in the Roquefort cheese*. Association for Multidisciplinary Research of the West Zone of Romania, Proceedings of the VIIIth International Symposium "Young People and Multidisciplinary Research", Sudura Publishing House, Timișoara, 2006, ISBN – 10 973-8359-39-2, ISBN – 13 978-973-8359-39-0, p. 586 – 590.

D18. Popescu Ionel, **Meșter Mihaela** - *Researches regarding the rolls of lacto-acids and probiotic products on the inhibition of some contamination microorganisms*. Journal of Agrolimentary Processes and Technologies, volume XII, No. 1, Agroprint Publishing House, Banat University of Agricultural Sciences and Veterinary Medicine Timișoara, 2006, ISSN 1453-1399, p. 255-260.

D19. Szabo Maria-Raluca, **Meșter Mihaela**, Chambre Dorina-Rodica, Idițoiu Cornelia, Jianu Ionel - *DPPH analysis on the antioxidant effect of mint, bilberry and black tea aqueous extracts*. Scien. and Techn. Bull. of "A. Vlaicu" Univ. Arad, Series Chemistry, Food Science and Engineering, 2006, 11 (XII), ISSN: 1582-1021, p. 117-121.

D20. Radu Dana, **Meșter Mihaela** - *HACCP study for a newly installed milk powder production line*. Scientific and Technical Bulletin of "Aurel Vlaicu" University Arad, Series Chemistry, Food Science and Engineering, 2006, 11 (XII), ISSN: 1582-1021, p. 176.

D21. Meșter Mihaela, Radu Dana, Danciu Ioan - *The study of fatty acids from sea buckthorn (Hippophae rhamnoides)*. Proceedings of the International Conference "Agricultural and Food Sciences, Processes and Technologies", 2007, Third Edition, Sibiu, Romania, "Lucian Blaga" University of Sibiu, Faculty of Agricultural Sciences, Food Industry and Environmental Protection, ISSN 1843-0694, p. 213-216.

D22. Meșter Mihaela, Danciu Ioan, Onofrei Gabriela, Zdremțan Monica - *Additives in food industry. Part 2. The study of carotenoids from orange peeling*. Proceedings of the International Conference "Agricultural and Food Sciences, Processes and Technologies", 2007, Third Edition, Sibiu, Romania, "Lucian Blaga" University of Sibiu, Faculty of Agricultural Sciences, Food Industry and Environmental Protection, ISSN 1843-0694, p. 217-220.

D23. Meșter Mihaela, Danciu Ioan, Onofrei Gabriela - *Additives in food industry. Part 1. Natural additives in ice cream*. Proceedings of the International Conference "Research, people and actual tasks on multidisciplinary sciences", First Conference, Volume 3, Lozenec, Bulgaria, 2007 ISBN 978-954-91147-3-7, p. 112-116.

D24. Meșter Mihaela, Radu Dana, Danciu Ioan - *Additives in food industry. Part 2. Natural additives in ice cream*. Proceedings of the International Conference "Research, people and actual tasks on multidisciplinary sciences", First Conference, Volume 3, Lozenec, Bulgaria, 2007, ISBN 978-954-91147-3-7, p. 117-121.

D25. Monica Zdremțan, Daniela Diaconescu, **Mihaela Meșter**, Maria Mihuța - *Dextran production from the lactic fermentation of watermelon*, International Symposium Research and Education in the Innovation Era, 4th Edition, Arad, Romania, "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, 2012.

D26. Dana Radu, **Meșter Mihaela** - *The characterization of α -amylase extract from malt*, Scientific Bulletin of ESCORENA, 2012, vol. 6, p. 23-28, ISSN 2069-8070.

D27. Balint Maria-Mihaela, Hălmăgean Lucian, Ciutina Virgiliu, Zdremțan Monica, **Meșter Mihaela** – *Bio-stimulants accepted by ecological agriculture in stimulating morpho-productive characteristics at Momordica charantia L.*, International Symposium "Creative Availabilities in the World" - Fourth Edition, February 23rd 2013, Iași, p. 25, PIM Publishing House, ISSN 2284-6700.

D28. Meșter Mihaela, Zdremțan Monica, Hălmăgean Lucian, Balint Maria – *Study regarding the consumption of quail eggs on glucose regulation*, International Symposium "Creative Availabilities in the World" - Fourth Edition, February 23rd 2013, Iași, p. 122, PIM Publishing House, ISSN 2284-6700.

D29. Zdremțan Monica, **Meșter Mihaela**, Diaconescu Daniela – *The influence of using some types of water on courgette conservation*, International Symposium "Creative Availabilities in the World" - Fourth Edition, February 23rd 2013, Iași, p. 206, PIM Publishing House, ISSN 2284-6700.

D30. Podrumar Teodor, Balint Maria-Mihaela, **Meșter Mihaela**, Ciutina Virgiliu, Diaconescu Daniela, Hălmăgean Lucian - *Pheromone bait in the supervision of the population of the green grape moth (Lobesia botrana den. et schiff.)*, International Symposium "Creative Availabilities in the World" - Fourth Edition, February 23rd 2013, Iași, p. 164, PIM Publishing House, ISSN 2284-6700.

D31. Zdremțan Monica, **Meșter Mihaela**, Hălmăgean Lucian, Balint Maria-Mihaela, Podrumar Teodor - *Researches concerning the utilisation for conservation of salt from salt mines*, International Symposium "Creative Availabilities in the World" - Fourth Edition, February 23rd 2013, Iași, p. 213, PIM Publishing House, ISSN 2284-6700.

D32. L. Hălmăgean, **Mihaela Meșter**, Monica Zdremțan, Maria Balint, Daniela Diaconescu, V. Ciutina –*The yellow waatermelon with horns (Cucumis metuliferus) – food and therapeutic species with adaptation possibilities in Arad agroecological area*; Scientific Bulletin of ESCORENA (online), 2014, ISSN 2069 – 8070; ISSN-L 2066 – 5687; ART 2; 23 – 29.

D33. Diaconescu, D., Zdremțan, M., **Meșter, M.**, Hălmăgean, L., Condrat, D. - *Quality Improving of Whole Wheat Bread by Using Xylanase*, Book of Abstracts, International Symposium Research and Education in Innovation Era, 6th Edition, Arad, 8-10 Dec. 2016.

D34. Zdremțan, M., Diaconescu, D., **Meșter, M.**, Ciutina, V., Hălmăgean, L., Lungu, M. - *Study regarding the Influence of Water on Preservation of Courgettes by Lactic Fermentation*, Book of Abstracts, International Symposium Research and Education in Innovation Era, 6th Edition, Arad, 8-10 Dec. 2016.

D35. Daniela Diaconescu, Monica Zdremțan, **Mihaela Meșter**, Anca Dicu, Lucian Hălmăgean, *The adaptation of a bread recipe for quinoa seeds addition*, 7th International Conference on Food Chemistry, Engineering and Technology, 25-26 mai 2017, Timișoara, România.

D36. **Mihaela Meșter**, Dumitru Condrat, Daniela Diaconescu, Monica Zdremțan, Lucian Hălmăgean, Andreea Lupitu, Ștefania Gâdea: *Improving yoghurt quality by adding extracts from Momordica charantia and Cucumis metuliferus*, ISREIE 2018 - May 10-12, 2018 Arad, Romania.

D37. Daniela Diaconescu, Monica Zdremțan, **Mihaela Meșter**, Anca Dicu, Lucian Hălmăgean, *The adaptation of a bread recipe to quinoa seeds addition*, Journal of Agroalimentary Processes and Technologies 24 (4), ISSN online 2068-9551 / 2018.

E. Research contracts

E1. *Research on the construction of an installation to measure the resistance to crushing of cereals and intermediate fractions obtained during the grinding process*, "Lucian Blaga" University Sibiu, 778 000 RON value; the undersigned - member of the research team, 2007.

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