

LIST of scientific works
MARIA-MIHAELA BALINT

A. PhD thesis

“Research on improving the management of meat processing”, University of Agricultural Sciences and Veterinary Medicine of Banat Timisoara, Faculty of Agricultural Management, Romania, PhD supervisor: prof. univ. dr. eng. Ioan Csoz, field: Agronomy, 2011.

B. Books and chapters published

B1. Introduction to general technologies used in the food industry. Claudiu-Nicolae Şimonăţi, George Moise, **Maria Mihaela Mihuţa**, Marcela Rişcan, Publisher Ulb-Sibiu, 2009, ISBN 978-973-739-729-4.

B2. Quality assessment methods in baking, Daniela Diaconescu, **Maria Mihaela Balint** , Publisher "Aurel Vlaicu" University of Arad , 2010, ISBN 978-973-752-508-6.

C. Work ISI / BDI published

C1. Zdremţan Monica, Meşter 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 Timişoara, Faculty of Food Processing Technology, The 4* International Conference on Food Chemistry, Engineering & Technology, Mai 2013, ISSN 2343-9459, Volume I, pag.174.

C2. Diaconescu Daniela, Zdremţan Monica, Meşter 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 Timişoara, Faculty of Food Processing Technology, The 4* International Conference on Food Chemistry, Engineering & Technology, Mai 2013, ISSN 2343-9459, Volume I, pag.174.

C3. Balint Maria, Ciutina V., Hălmăgean L., Meşter Mihaela, Zdremţan 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 Timişoara, Faculty of Food Processing Technology, The 4* International Conference on Food Chemistry, Engineering & Technology, Mai 2013, ISSN 2343-9459, Volume I, pag.173.

C4. Hălmăgean Lucian, **Maria-Mihaela Balint**, Mihaela Meşter, Daniela Diaconescu, Monica Zdremţan - 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, June 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, June 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, June 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. Balint Maria, Zdremțan Monica, Meșter Mihaela, Diaconescu Daniela, Chiș Sabin, Local action groups - a possibility of rural area and traditional products economic development. Importance and proposals, *Agricultural Management/Lucrări Științifice Seria I, Management Agricol* 25 (2) 2023, ISSN print 1453-1410, ISSN online 2069-2307, (former ISSN 1453-1410, E-ISSN 2069-2307), pg. 19-24, Timișoara.

C9. Balint Maria, Diaconescu Daniela, Zdremțan Monica, Meșter Mihaela, Ciutina Virgiliu, Analysis of NRDP 2014-2022 funds mobilization for rural development strategies and the role and actions of AFRI in supporting the process, *Agricultural Management/Lucrări Științifice Seria I, Management Agricol* 24 (3) 2023, ISSN print 1453-1410, ISSN online 2069-2307, (former ISSN 1453-1410, E-ISSN 2069-2307), pg. 357-363, Timișoara.

C10. Maria Balint, Sabin Chiș, Călin Dobra, Research regarding the development of the Margina Commune through agritourism. Identifying interest from tourists, *Agricultural Management/Lucrări Științifice, Seria I, Management Agricol* 25 (2) 2023, ISSN print 1453-1410, ISSN online 2069-2307, (former ISSN 1453-1410, E-ISSN 2069-2307) pag. 25-32, Timișoara.

C11. Maria Balint, Research regarding the development of Rau de Mori Commune. Proposing a development plan through Rural Tourism, *Agricultural Management/Lucrări Științifice, Seria I, Management Agricol* 25 (3) 2023, ISSN print 1453-1410, ISSN online 2069-2307, (former ISSN 1453-1410, E-ISSN 2069-2307) pag. 164-170, Timișoara.

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

D1. Claudiu-Nicolae Şimonai, *Maria Mihaela Mihuţa*-Antimicrobial Effect of Seed extract of Coriander. Journal of Agroalimentary Process and Technologies, Vol.XV, Nr.2, ISSN 1453-1399, 27-29.05.2009, p.298-300, Timişoara.

D2. Claudiu Nicolae Şimonai, *Maria-Mihaela Mihuţa*-Effect of gamma irradiation on chemical properties of saffron Pigments. Transilvanian Agrofood, Nr.1/2009, ISSN 2066-6330, Publisher ULB-Sibiu, p. 30-33.

D3. L. Hălmăgean*, Dana M. Danoiu**, V. Ciutină*, *Maria Balint**, - Improvements of Monitor System of Air Quality in Arad Area. International Symposium Research and Education in Innovation Era, 3rd Edition, 11-12 November 2010, Arad.

*, „Aurel Vlaicu” University Arad, Bd. E.S.Dragoi, no. 2, Arad, Romania

** Environmental Protection Agency, Bd. Dragalina, no. 16, Arad, Romania

D4. L. Hălmăgean, V. Ciutină, Monica Zdremţan, *Maria Balint*, The microelement molybdenum, a factor stimulating symbiotic activity in *Pisum Sativum L.*, and *Phaseolus Vulgaris L.* in the Arad vegetable growing area. International Scientific Symposium "Modern Horticulture - achievements and perspectives", State Agrarian University of Moldova, Faculty of Horticulture, Vol.26(1), ISBN 978-9975-64-190-6, p.260-264, September 23-25, 2010, Chişinău.

D5. *Maria Balint*, L. Hălmăgean, V. Ciutină, Monica Zdremţan, - Studies on ecotechnology of medicinal plants from which flowers or inflorescences are used. International Scientific Symposium "Modern Horticulture - achievements and perspectives", State Agrarian University of Moldova, Faculty of Horticulture, Vol.26(1), ISBN 978-9975-64-190-6, p.254-258, September 23-25, 2010, Chişinău.

D6. L. Hălmăgean, *Maria Balint*, V. Ciutină, Monica Zdremţan - *Momordica Charantia L.* - Valuable medicinal plant with possibilities of adaptation in the agro-ecological Arad. International Scientific Symposium "Modern Horticulture - achievements and perspectives", State Agrarian University of Moldova, Faculty of Horticulture, Vol.26(1), ISBN 978-9975-64-190-6, p.250-254, September 23-25, 2010, Chişinău.

D7. *Maria Balint*, L. Hălmăgean, V. Ciutină, Monica Zdremţan - Fixation of atmospheric nitrogen in *Pisum Sativum L.* as a function of the amount of free nitrogen present in the soil and the mode of administration of biofertilizers. International Scientific Symposium "Modern Horticulture - achievements and perspectives", State Agrarian University of Moldova, Faculty of Horticulture, Vol.26(1), ISBN 978-9975-64-190-6, September 23-25, 2010, Chişinău.

D8. L. Hălmăgean, V. Ciutină, Monica Zdremţan, *Maria Balint* - Improving the efficiency of fixing atmospheric nitrogen to *Pisum Sativum L.* and *Phaseolus Vulgaris L.* with biofertilisation. Second Conference with International Participation „Modern Technologies and Biotechnologies for Environmental Protection”, June 2-5, 2010, Sibiu.

D9. L. Hălmăgean, V. Ciutină, Monica Zdremţan, *Maria Balint* - Studies on possibilities of elimination of arsenic iron and manganese from groundwater in the west part of Arad county. Second Conference with International Participation „Modern Technologies and Biotechnologies for Environmental Protection”, June 2-5, 2010, Sibiu.

D10. L. Hălmăgean, *Maria Mihaela Balint*, - The bitter cucumber - *Momordica charantia L.* a valuable medicinal plant with adaptation possibilities in the agro-ecological Arad,

International Symposium "Creative Availabilities in the World "- Third edition on November 26, 2011 in Iași, ISBN 978-606-576-670-9.

D11. Lucian Hălmăgean, Virgil Ciutina, *Maria Mihaela Balint*, Daniela Diaconescu – Biofertilizers – a cheap and safe alternative to chemical fertilizers in farming practice, International Symposium Research and Education in Innovation Era 4th Edition, 8-9 november 2012, Arad.

D12. *Maria Mihaela Balint*, Virgil Ciutina, Lucian Hălmăgean, Monica Zdremțan – Stimulating the morpho-productive characteristics at Momordica charantia L. under the influence of biostimulators accepted by organic farming, International Symposium Research and Education in Innovation Era 4th Edition, 8-9 November 2012, Arad.

D13. Monica Zdremțan, Daniela Diaconescu, Mihaela Meșter, *Maria Mihuța* - Dextran production from lactic fermentation of watermelon, International Symposium Research and Education in Innovation Era, 4th Edition, Arad, Romania, "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, 2012

D14. Sergiu Palcu, Claudia Mureșan, *Maria Balint* – Obtained results for Pisum Sativum culture fertilisation in order to improve some morpho-physiological and production parameters in Arad vegetable area, International Symposium Research and Education in Innovation Era 4th Edition, 8-9 November 2012, Arad.

D15. Monica Zdremțan, Hălmăgean Lucian, *Maria Mihuța* – Research regarding the use of starter cultures in vegetable pickles industry, International Symposium Research and Education in Innovation Era 4th Edition, 8-9 November 2012, Arad.

D16. *Balint Maria*, Martin Simona Cristina, Murg Oana. - Implementation of HACCP in a slaughterhouse, Scientific Conferences, Timisoara, May 2013, 2343-9459, Volume I, pag.136.

D17. *Balint Maria*, Martin Simona Cristina, Rujescu C. - The implications of the implementation of an integrated management system, Scientific Conferences, Timisoara, May 2013, 2343-9459, Volume I, pag.136.

D18. *Balint Maria-Mihaela*, Ciutina Virgiliu, Hălmăgean Lucian, Chiș Sabin,; Use of biofertilizers in organic farming - a safe and cheap alternative to conventional chemical fertilizers, International Symposium "Creative Availabilities in the World" - Fourth Edition, February 23rd 2013, Iași, pag.20, PIM Publishing House, ISSN 2284-6700.

D19. Podrumar Teodor, Zdremțan Monica, Hălmăgean Lucian, Ciutina Virgiliu, *Balint Maria-Mihaela*, Tetulea Raul - Green manures - nutritional support in organic viticulture, International Symposium "Creative Availabilities in the World" - Fourth Edition, February 23rd 2013, Iași, pag. 160, PIM Publishing House, ISSN 2284-6700.

D20. 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.

D21. 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.

D22. Mihaela Meșter, Daniela Diaconescu, Monica Zdremțan, *Maria Balint*, Lucian Hălmăgean, Studies on the acclimatization and introduction into culture of the Stevia rebaudiana species in the pedoclimatic conditions in the Arad area, International Symposium Research and Education in an Innovation Era, 8th Edition, mai 2019, Arad, România.

D23. Simona PERȚA-CRIȘAN, Claudiu-Ștefan URSACHI, Iolanda TOLAN, Bianca-Denisa CHEREJI, Dumitru CONDRAT, *Maria BALINT*, Florentina-Daniela MUNTEANU, CHARACTERIZATION OF BEESWAX-BASED OLEOGELS WITH PUMPKIN SEED OIL AND RAPESEED OIL - – Arad, Scientific and Technical Bulletin of "Aurel Vlaicu" University of Arad, Series Chemistry, Food Science & Engineering, Year XXI, Vol. 20, 2023, ISSN 1582-1021, 25-33.

E. Research contracts

E1. Sustainable Service Innovation in the Construction Sector for the Circular Economy: interdisciplinary study, "Aurel Vlaicu" University of Arad, value 51.000 LEI;

period : 22.03.2024-20.09.2028, the undersigned - member of the research collective.

1.10.2024

As.dr.ing. Balint Maria-Mihaela