

L I S T
of scientific papers
Lecturer PERȚA-CRIȘAN Simona, PhD.

A. PhD thesis

A1. *Researches regarding obtaining of some biological active compounds from Momordica charantia L.*, University of Agronomic Sciences and Veterinary Medicine of Bucharest, **2009**, coordinator Prof. Câmpeanu Gheorghe

B. Books and chapters from books

B1. ANCA MIHAELA DICU, SIMONA PERȚA-CRIȘAN, *Quality and sensory analysis of food products*, „Aurel Vlaicu” University Publishing House, Arad, **2012**, ISBN 978-973-752-612-0, 227 pages

B2. SIMONA PERȚA-CRIȘAN, ANCA MIHAELA DICU, *Sensory analysis. Practical applications*, „Aurel Vlaicu” University Publishing House, Arad, **2011**, ISBN 978-973-752-571-0, 278 pages

B3. SIMONA CRIȘAN, *Momordica charantia L. - species with therapeutic implications*, „Aurel Vlaicu” University Publishing House, Arad, **2010**, ISBN 978-973-752-468-3, 284 pages

B4. SZENTESI SILVIU GABRIEL, CRISTESCU GABRIELA, MOȚ GHIOCEL, FRANȚESCU MARIUS, VIZENTAL MIHAELA, CRIȘAN SIMONA, *Modeling the economic-ecological balance for investment projects*, „Aurel Vlaicu” University Publishing House, Arad, **2009**, ISBN 978-973-752-388-4, 241 pages

B5. HĂLMĂGEAN LUCIAN, SIMONA CRIȘAN, *Medicinal herbs. Practical works*, „Aurel Vlaicu” University Publishing House, Arad, **2007**, ISBN 978-973-752-142-2, 82 pages

B6. LUCIAN HĂLMĂGEAN, SIMONA CRIȘAN, *Ecology. Practical works*, „Aurel Vlaicu” University Publishing House, Arad, **2006**, ISBN (10) 973-752-086-6, (13) 978-973-752-086-9, 81 pages

C. Scientific papers published in ISI/BDI indexed journals and publications

C1. O. BRINZAN, E. TIGAN, M. LUNGU, S.P. CRISAN, Comparative study on consumer preferences for products that support sustainable development, 17th International Multidisciplinary Scientific GeoConferences SGEM **2017**, SGEM 2017 Conference Proceedings, ISBN 978-619-7408-10-2, ISSN 1314-2704, Vol. 17, Issue 53, 101-108 pp, DOI: 10.5593/sgem2017/53/S21.013 (indexed in Web of Science – Clarivate Analytics, former ISI Thomson Reuters; ELSEVIER’s SCOPUS and Compendex databases; EBSCO; ProQuest&GeoRef; CrossRef Database; CrossRef Cited by Linking; Mendeley; CiteULike; UlrichsWeb; British library; Google Scholar)

C2. O. BRINZAN, E. TIGAN, M. LUNGU, S.C. PERTA, Meat consume as an indicator of sustainable development. Comparative study in Europe and Romania, 17th International Multidisciplinary Scientific GeoConferences SGEM **2017**, SGEM 2017 Conference Proceedings, ISBN 978-619-7408-10-2, ISSN 1314-2704, Vol. 17, Issue 53, 545-550 pp, DOI: 10.5593/sgem2017/53/S21.068 (indexed in Web of Science – Clarivate Analytics, former ISI Thomson Reuters; ELSEVIER’s SCOPUS and Compendex databases; EBSCO; ProQuest&GeoRef; CrossRef Database; CrossRef Cited by Linking; Mendeley; CiteULike; UlrichsWeb; British library; Google Scholar)

C3. S.G. SZENTESI, M. FRANTESCU, S. CRISAN, Designing a management model for achieving economic-environmental balance in investment projects, *Journal of Economics and Business Research (JEBR)*, Year XVI, No. 2/**2010**, Edited by „Aurel Vlaicu” University from Arad, ISSN 2068-3537, 40-48 (indexed in Directory of Open Access Journals – DOAJ, Index Copernicus)

C4. CRIȘAN SIMONA, GH. CÂMPEANU, L. HĂLMĂGEAN, Study of *Momordica charantia L.* species grown on the specific conditions of Romania's western part, *Proceedings of the 44th Croatian and 4th International Symposium on Agriculture*, 16th – 20th February 2009, Opatija, Croatia, **2009**, ISBN 978-953-6331-67-3, 425 – 428 (indexed in Centre for Agriculture and Biosciences International - CABI)

C5. CRIȘAN SIMONA, L. HĂLMĂGEAN, GH. CÂMPEANU, N. ATANASIU, R. IANCHICI, Researches regarding elaboration of a technology for *Momordica charantia L.* crops establishment in the field in western part of Romania, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Horticulture*, vol. 66 (1)/**2009**, print ISSN 1843-5254, electronic ISSN 1843-5394, 409-414 (indexed in ISI Thomson Reuters Master Journal List, Centre for Agriculture and Biosciences International - CABI, Russian Scientific and Technical Information Institute - VINITI, Asian Science Citation Index - ASCI, Index Copernicus, Elton B Stephens Company - EBSCO)

C6. R. IANCHICI, SEGAL RODICA, CRIȘAN SIMONA, ZDREMȚAN MONICA, The Identification of main proteins fractions from pea protein isolates, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Agriculture*, vol. 66 (2)/**2009**, print ISSN 1843-5246, electronic ISSN 1843-5386, 321-326 (indexed in ISI Thomson Reuters Master Journal List, Centre for Agriculture and Biosciences International - CABI, Russian Scientific and Technical Information Institute - VINITI, Asian Science Citation Index - ASCI, Index Copernicus, Elton B Stephens Company - EBSCO)

C7. CRIȘAN SIMONA, GH. CÂMPEANU, L. HĂLMĂGEAN, Researches regarding fertilization's influence on the yield of unripe fruits for *Momordica charantia L.* species, on different soil types in Arad agroecological area, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Horticulture*, vol. 65 (1)/**2008**, print ISSN 1843-5254, electronic ISSN 1843-5394, 368-373 (indexed in ISI Thomson Reuters Master Journal List, Centre for Agriculture and Biosciences International - CABI, Russian Scientific and Technical Information Institute - VINITI, Asian Science Citation Index - ASCI, Index Copernicus, Elton B Stephens Company - EBSCO)

C8. CRIȘAN SIMONA, GH. CÂMPEANU, L. HĂLMĂGEAN, The influence of climatical factors and fertilization level on morpho-physiological characters of *Momordica charantia L.* species, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Horticulture*, vol. 65 (1)/**2008**, print ISSN 1843-5254, electronic ISSN 1843-5394, 474 (indexed in ISI Thomson Reuters Master Journal List, Centre for Agriculture and Biosciences International - CABI, Russian Scientific and Technical Information Institute - VINITI, Asian Science Citation Index - ASCI, Index Copernicus, Elton B Stephens Company - EBSCO)

C9. CRIȘAN SIMONA, L. HĂLMĂGEAN, Technological solutions with impact on the yield of *Momordica charantia L.* fruits (Cucurbitaceae) in Arad agro-ecological area, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Horticulture*, vol. 64 (1-2)/**2007**, print ISSN 1843-5254, electronic ISSN 1843-5394, 93-98 (indexed in ISI Thomson Reuters Master Journal List, Centre for Agriculture and Biosciences International - CABI, Russian Scientific and Technical Information Institute - VINITI, Asian Science Citation Index - ASCI, Index Copernicus, Elton B Stephens Company - EBSCO)

C10. CRIȘAN SIMONA, L. HĂLMĂGEAN, The use of atmospheric nitrogen biologically fixed as an alternative for nitrogen chemical fertilizers in vegetables ecological cultivation, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Horticulture*, vol. 64 (1-2)/**2007**, print ISSN 1843-5254, electronic ISSN 1843-5394, 726 (indexed in ISI Thomson Reuters Master Journal List, Centre for Agriculture and Biosciences International - CABI, Russian Scientific and Technical Information Institute - VINITI, Asian Science Citation Index - ASCI, Index Copernicus, Elton B Stephens Company - EBSCO)

C11. L. HĂLMĂGEAN, SIMONA CRIȘAN, Microelements' role on symbiosis process at *Pisum sativum L.* in Arad agroecological area, *Analele Universității din Craiova*, vol. XII (XLVIII), **2007**, ISSN 1435-1275, pag. 105-108 (indexed in Index Copernicus Journal from 2009)

C12. L. HĂLMĂGEAN, SIMONA CRIȘAN, Influence of nitrogen fertilization level on the efficiency of bacterial treatment at *Pisum sativum L.*, *Analele Universității din Craiova*, vol. XII (XLVIII), **2007**, ISSN 1435-1275, 109-112 (indexed in Index Copernicus Journal from 2009)

C13. HALMAGEAN L., CRISAN SIMONA, The bacterial infectious biochimism's disorder produced by the depressive effect of nitrogen over the vegetables; *Analele Universității din Craiova*, vol. XI (XLVII), **2006**; ISSN 1435-1275, 175-178 (indexed in Index Copernicus Journal from 2009)

C14. CRISAN SIMONA, HALMAGEAN L., The influence of the biofertilisers' and nitrogen fertilisers' way of administration on the symbiosis and morpho-physiological processes at *Pisum sativum L.*; *Analele Universității din Craiova*, vol. XI (XLVII), **2006**; ISSN 1435-1275, 183-186 (indexed in Index Copernicus Journal from 2009)

C15. CRISAN SIMONA, HALMAGEAN L., Biofertilisers – an important source of nitrogen for the ecological agriculture; *Analele Universității din Craiova*, vol. XI (XLVII), **2006**; ISSN 1435-1275; 179-182 (indexed in Index Copernicus Journal from 2009)

C16. HALMAGEAN L., CRISAN SIMONA, The influence of dissemination scheme and densities on the dry inflorescences production at *Calendula officinalis L.* in the agro-ecological area of Arad; *Analele Universității din Craiova*, vol. XI (XLVII), **2006**; ISSN 1435-1275, 171-174 (indexed in Index Copernicus Journal from 2009)

C17. CLAUDIA MUREȘAN, V. CIUTINA, I. CALINOVICI, SIMONA CRIȘAN, The evolution of colour intensity at superiors red wines from burgund variety obtained in minis and Murfatlar vineyards; *Analele Universității din Craiova*, vol. XI (XLVII), **2006**; ISSN 1435-1275, 163-166 (indexed in Index Copernicus Journal from 2009)

C18. HALMAGEAN L., CRISAN SIMONA, CHIS S.; The management of integrated control of weeds from medicinal herbs crops in the agro-ecological area of Arad; *Cercetări Științifice – Horticultură, seria a X-a, Universitatea de Științe Agricole și Medicină Veterinară a Banatului Timișoara*, **2006**; ISSN 2066-1797, 302-305 (from 2009 - *Journal of Horticulture, Forestry and Biotechnology* - indexed in Index Copernicus, CABI – Publishing Website Serials Cited Submission)

D. Scientific papers published in journals and volumes of some International Conferences (not indexed)

Scientific papers published in CNCSIS Journals

D1. SIMONA PERȚA-CRIȘAN, URSACHI CLAUDIU, MUNTEANU FLORENTINA-DANIELA, Trends in valorisation of spent coffee grounds: a review, *Scientific and Technical Bulletin, Series Chemistry, Food Science & Engineering*, Year XVII, Vol. 16, „Aurel Vlaicu” University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, Chemical and Technological Research Center, Arad, **2019**, ISSN 1582-1021

D2. CIUTINA VIRGIL, PERȚA-CRIȘAN SIMONA, GABRUȘ IULIU RADU, ȘTEȚCO VOICHIȚA, New Methods for Monitoring Accidental Pollution of Surface Waters from Mures River Basin – Arad, *Scientific and Technical Bulletin of "Aurel Vlaicu" University of Arad, Series Chemistry, Food Science & Engineering*, Year XV, Vol. 14, **2010**, ISSN 1582-1021, 64-69

D3. POPA ANCA, MUREȘAN CLAUDIA, CRIȘAN SIMONA, FAUR VIRGINIA, Total antioxidant activity determination of some compounds from „Favidiab” tea; *Scientific and Technical Bulletin, Series Chemistry, Food Science and Engineering*, Year XII, vol. 11, „Aurel Vlaicu” University of Arad, Food Engineering, Tourism and Environmental Protection Faculty, Chemical and Technological Research Center, **2006**, Arad; ISSN 1582-1021, 19-22

Scientific papers published in volumes of some International Conferences

D4. SIMONA PERȚA-CRIȘAN, IONEL POPESCU-MITROI, DANA GINA RADU, Monitoring acetic fermentation under laboratory conditions, *Proceedings of the XXth Symposium "Young People and Multidisciplinary Research"*, Timișoara, Romania, **2018**, ISSN 1843-6609, 122-126

D5. SIMONA PERȚA-CRIȘAN, RAUL IANCHICI, Processing methods for the juice of bitter melon fruits, *Journal on Processing and Energy in Agriculture*, Vol. 15(3), Second International Conference Sustainable Postharvest and Food Technologies INOPTTEP, Serbia, **2011**, ISSN 1821-4487, 149-152

D6. RAUL IANCHICI, SIMONA PERȚA-CRIȘAN, RODICA SEGAL, The influence of method of extraction and drying of pea proteins on their solubility, *Journal on Processing and Energy in Agriculture*, Vol. 15(2), Second International Conference Sustainable Postharvest and Food Technologies INOPTTEP, Serbia, **2011**, ISSN 1821-4487, 87-89

- D7. SIMONA CRIȘAN, LUCIAN HĂLMĂGEAN, RAUL IANCHICI**, Fertilization influence on productive performances of field-cultivated bitter melon in western part of Romania, *45th Croatian and 5th International Symposium on Agriculture*, Opatija, Croatia, **2010**, ISBN 978 – 953 – 6331 – 79 – 6, 549 – 552
- D8. RAUL IANCHICI, RODICA SEGAL, SIMONA CRIȘAN, MONICA ZDREMȚAN**, Influence of working methods in the extraction, separation and drying of pea proteins on protein fractions, *45th Croatian and 5th International Symposium on Agriculture*, Opatija, Croatia, **2010**, ISBN 978 – 953 – 6331 – 79 – 6, 733 – 736
- D9. SIMONA CRIȘAN, GHEORGHE CÂMPEANU, LUCIAN HĂLMĂGEAN, RAUL IANCHICI**, Identification of some hypoglycemic protean fractions in cellular juice of *Momordica charantia L.* fruits, *Journal on Processing and Energy in Agriculture*, Vol. 13(1), First International Conference Sustainable Postharvest and Food Technologies INOPTEP, Serbia, **2009**, ISSN 1450-5029, 78-80
- D10. IANCHICI RAUL, SEGAL RODICA, CRIȘAN SIMONA, ZDREMȚAN MONICA**, Study regarding the influence of ultrasound assisted extraction on the pea protein structure, *Journal on Processing and Energy in Agriculture*, Vol. 13(2), First International Conference Sustainable Postharvest and Food Technologies INOPTEP, Serbia, **2009**, ISSN 1450-5029, 143-145
- D11. CRIȘAN SIMONA, HĂLMĂGEAN L., BOCIORT DALIA**, Possibilities of elimination the arsenic from underground waters in the western part of Romania, *Proceedings of the First Conference with International Participation „Modern Technologies and Biotechnologies for Environmental Protection”*, June 5-7, Sibiu, Romania, **2008**, ISBN 978-973-739-6157-0, 8-11
- D12. HĂLMĂGEAN L., CRIȘAN SIMONA**, Bio-fertilizers – nitrogen source in ecological vegetable gardening, *Proceedings of the First Conference with International Participation „Modern Technologies and Biotechnologies for Environmental Protection”*, June 5-7, Sibiu, Romania, **2008**, ISBN 978-973-739-6157-0, 29-32
- D13. CRIȘAN SIMONA, HĂLMĂGEAN L.**, Integrated management of weeds control from medicinal plants crops in Arad agro-ecological area, *Proceeding of the International Conference „Agricultural and Food Science, Processes and Technologies”*, April 26-28, Sibiu, Romania, **2007**, ISBN 1843-0694, 115-118
- D14. HĂLMĂGEAN L., CRIȘAN SIMONA**, The influence of nitrogen fertilizers on symbiosis and morpho-physiological processes at vegetables, *Proceeding of the International Conference „Agricultural and Food Science, Processes and Technologies”*, April 26-28, Sibiu, Romania, **2007**, ISBN 1843-0694, 189-192
- D15. HĂLMĂGEAN L., CRIȘAN SIMONA**, Alternative solutions for substitution of nitrogen chemical fertilizers in vegetables ecological cultivation, *Proceeding of the International Conference „Agricultural and Food Science, Processes and Technologies”*, April 26-28, Sibiu, Romania, **2007**, ISBN 1843-0694, 185-188
- D16. CRIȘAN SIMONA, HĂLMĂGEAN L.**, Influence of seeding scheme and density on ligulate flowers production and dry inflorescences of *Tagetes patula L.* And *Calendula officinalis L.* In the agroecological area of Arad, *42nd Croatian and 2nd International Symposium on Agriculture*, 13 – 16 February 2007, Opatija, Croatia, **2007**, ISBN 978 – 953 – 6135 – 57 – 8, 61 – 63
- D17. CRIȘAN SIMONA, HĂLMĂGEAN L., Mureșan Claudia**, Studies of ambient air pollution by sulfur dioxide, nitrogen oxides and ammoniac in the agroecological area of Arad, *42nd Croatian and 2nd International Symposium on Agriculture*, 13 – 16 February 2007, Opatija, Croatia, **2007**, ISBN 978 – 953 – 6135 – 57 – 8, 57 – 60
- D18. HĂLMĂGEAN L., CRIȘAN SIMONA**, Symbiotic nitrogen fixation in vegetables in dependence on doses and application methods of nitrogen and phosphorus fertilisers, *42nd Croatian and 2nd International Symposium on Agriculture*, 13 – 16 February 2007, Opatija, Croatia, **2007**, ISBN 978 – 953 – 6135 – 57 – 8, 68 – 71
- D19. HĂLMĂGEAN L., CRIȘAN SIMONA**, Ambient air pollution by suspended and sedimented dust in the agroecological area of Arad, *42nd Croatian and 2nd International Symposium on Agriculture*, 13 – 16 February 2007, Opatija, Croatia, **2007**, ISBN 978 – 953 – 6135 – 57 – 8, 72 – 75
- D20. HĂLMĂGEAN L., CRIȘAN SIMONA**, The influence of endogenous ecological biofertilizers on morpho-productive characters at Cayenne hot pepper in Arad agro-ecological area, *Simpozionul științific internațional „Realizări și perspective în horticultură, viticultură, vinificație și silvicultură”*, *Lucrări Științifice*, Vol. 15(2), Chișinău, Republica Moldova, **2007**, ISBN 978-9975-946-11-7 (general), 978-9975-946-37-7, 349-351

D21. HĂLMĂGEAN L., CRIȘAN SIMONA, Stimulation of symbiosis and morpho-physiological processes at vegetables through the agency of microelements, *Simpozionul științific internațional „Realizări și perspective în horticultură, viticultură, vinificație și silvicultură”*, *Lucrări Științifice, Vol. 15(2)*, Chișinău, Republica Moldova, **2007**, ISBN 978-9975-946-11-7 (general), 978-9975-946-37-7, 343-346

D22. CRIȘAN SIMONA, HĂLMĂGEAN L., Possibilities of supporting vegetable ecosystem by using ecological bioregulators produced in Romania, *1st International Conference „Research people and actual tasks on multidisciplinary sciences”*, 6-8 June 2007, Lozenec, Bulgaria, **2007**, ISBN 978-954-91147-3-7, 162-165

D23. HĂLMĂGEAN L., CRIȘAN SIMONA, Microelements' role in atmospheric nitrogen biological fixation on *Pisum sativum* L., *1st International Conference „Research people and actual tasks on multidisciplinary sciences”*, 6-8 June 2007, Lozenec, Bulgaria, **2007**, ISBN 978-954-91147-3-7, 297-300

D24. PALCU S., CAMPEANU GH., HALMAGEAN L., CRIȘAN SIMONA, The influence of chemical fertilizers with microelements over the morpho-physiological and production characteristics for vegetables; *41st Croatian & 1st International Symposium on Agriculture*, 13th-17th February **2006**, Opatija-Croatia, Section 02, Organic Agriculture; ISBN 953-6331-39-X; 133-134

D25. SIMONA PERȚA-CRIȘAN, IONEL POPESCU-MITROI, CLAUDIU URSACHI, SIMONA GAVRILAȘ, ANCA MIHAELA DICU, FLORENTINA-DANIELA MUNTEANU, Valorisation Of Waste Grounded Coffee, *International Symposium Research and Education in Innovation Era*, 8 th Edition, Arad, **2019**, oral presentation

D26. SIMONA PERȚA-CRIȘAN, FLORENTINA-DANIELA MUNTEANU, Sensory Analysis Of Some Traditional Cheeses Obtained From Sheep's Milk, *International Symposium Research and Education in Innovation Era*, 8 th Edition, Arad, **2019**, poster

D27. ANCA DICU, CLAUDIU URSACHI, SIMONA PERȚA-CRISAN, Antiradical activity evaluation of aqueous and alcoholic extracts from *Urtica dioica*, *International Symposium Research and Education in Innovation Era*, 7 th Edition, Arad, **2018**, poster

D28. URSACHI CLAUDIU, DICU ANCA, MUREȘAN CLAUDIA, PERȚA CRIȘAN SIMONA, Nutritional evaluation of the students menus served at the Aurel Vlaicu University canteen, *International Symposium “Research and Education in Innovation Era”*, 6-th Edition, Arad, **2016**, poster

D29. Anca Mihaela DICU, Simona PERȚA CRISAN, Spectral characterisation and determination of total antioxidant capacity of Burdock extracts using chemiluminescence technique, *International Symposium Research and Education in Innovation Era*, 5th Edition, Arad, **2014**, oral presentation

D30. DICU Anca, PERȚA-CRIȘAN Simona, MURESAN Claudia, URSACHI Claudiu, Testing the antioxidant effect of some plant extracts on lipids, *International Symposium Research and Education in Innovation Era*, 4th Edition, Arad, **2012**, poster

E. Patents

E1. Gemotherapy *Momordica charantia* – Based preparation for the treatment of non-insuline-dependent diabetes, Iosif Ianculov, Botău Dorica, Ciulcă Sorin, Palicica Radu-Dimitrie, Hălmăgean Lucian, CRIȘAN SIMONA, Lazăr Alexandru, Patent no. 125280 from 29.10.2010

F. Research contracts

F1. Biodiversità di specie ad elevato valore FUNzionale e Nutraceutico (BIO.FUN.) - Programma Operativo FESR Basilicata 2007-2013, Mini progetti per la cooperazione territoriale europea per lo scorcio dell'anno di attuazione 2015 (Attività aggiuntive al Progetto “Agro.Bio.”), Consiglio Nazionale delle Ricerche – Istituto di Bioscienze e BioRisorse – Basilicata – Italy (NUTS: ITF52), Aurel Vlaicu University from Arad – Faculty of Food Engineering, Tourism and Environmental Protection, Romania (NUTS: RO421) – partner institution, Member of the research team

F2. Induction of somatic variability in different medicinal plants in order to improve the therapeutic (hypoglycemic, bactericidal, antiviral, etc.) properties, PROJECT PN-II-ID-PCE 731/2007, Contract no. 409/2007, Member of the research team, 2007-2010

F3. Developing a management model for investment projects in order to achieve an economically-ecological dynamic balance, PROJECT PN-II-ID-PCE 1239/2007, Member of the research team, 2007-2010

F4. Computerized systems of filtration and separation activated with ultrasound and controlled by biosensor for textile processes, PROJECT CEEX 77/2006, Member of the research team, 2006-2009

28.04.2020

Ș.l.dr.ing. PERTA-CRIȘAN Simona

