

L I S T A
lucrărilor științifice
Ș.I. dr. Ing. PERȚA-CRIȘAN Simona

A. Teza de doctorat

A1. *Cercetări privind obținerea unor compuși biologic activi din Momordica charantia L.*, Universitatea de Științe Agronomice și Medicină Veterinară București, **2009**, coordonator Prof. dr. Câmpeanu Gheorghe

B. Cărți si capitole publicate

B1. ANCA MIHAELA DICU, SIMONA PERȚA-CRIȘAN, *Calitatea și analiza senzorială a alimentelor*, Editura Universității „Aurel Vlaicu”, Arad, **2012**, ISBN 978-973-752-612-0, 227 pag.

B2. SIMONA PERȚA-CRIȘAN, ANCA MIHAELA DICU, *Analiză senzorială. Aplicații practice*, Editura Universității „Aurel Vlaicu”, Arad, **2011**, ISBN 978-973-752-571-0, 278 pag.

B3. SIMONA CRIȘAN, *Momordica charantia L. - specie cu implicații terapeutice*, Editura Universității “Aurel Vlaicu”, Arad, **2010**, ISBN 978-973-752-468-3, 284 pag.

B4. SZENTESI SILVIU GABRIEL, CRISTESCU GABRIELA, MOȚ GHIOCEL, FRANȚESCU MARIUS, VIZENTAL MIHAELA, CRIȘAN SIMONA, *Modelarea echilibrului economic-ecologic pentru proiectele de investiții*, Editura Universității „Aurel Vlaicu”, Arad, **2009**, ISBN 978-973-752-388-4, 241 pag.

B5. HĂLMĂGEAN LUCIAN, SIMONA CRIȘAN, *Plante medicinale. Lucrări practice*, Editura Universității “Aurel Vlaicu”, Arad, **2007**, ISBN 978-973-752-142-2, 82 pag.

B6. LUCIAN HĂLMĂGEAN, SIMONA CRIȘAN, *Ecologie. Lucrări practice*, Editura Universității „Aurel Vlaicu”, Arad, **2006**, ISBN (10) 973-752-086-6, (13) 978-973-752-086-9, 81 pag.

C. Lucrări indexate ISI/BDI publicate

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 (indexată 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 (indexată 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 (JEER)*, Year XVI, No. 2/**2010**, Edited by „Aurel Vlaicu” University from Arad, ISSN 2068-3537, 40-48 (indexată 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 (indexată 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 (indexată 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 (indexată 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 (indexată 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 (indexată 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 (indexată 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 (indexată 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 (indexată Index Copernicus Journal din 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 (indexată Index Copernicus Journal din 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 (indexată Index Copernicus Journal din 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 (indexată Index Copernicus Journal din 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 (indexată Index Copernicus Journal din 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 (indexată Index Copernicus Journal din 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 (indexată Index Copernicus Journal din 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 (din 2009 - *Journal of Horticulture, Forestry and Biotechnology* - indexată Index Copernicus, CABI – Publishing Website Serials Cited Submission)

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

Articole publicate in periodice recunoscute de CNCISIS

D1. 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

D2. 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

Articole publicate in volumele unor simpozioane internationale

D3. 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 INOPTEP, Serbia, **2011**, ISSN 1821-4487, 149-152

D4. 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 INOPTEP, Serbia, **2011**, ISSN 1821-4487, 87-89

D5. 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

D6. 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

D7. 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

D8. 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

- D9. 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
- D10. 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
- D11. 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
- D12. 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
- D13. 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
- D14. 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
- D15. 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
- D16. 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
- D17. 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
- D18. 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
- D19. 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
- D20. 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
- D21. 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
- D22. PALCU S., CAMPEANU GH., HALMAGEAN L., CRIȘAN SIMONA**, The influence of chemical fertilizers with microelements over the morpho-psysiological 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

E. Brevete obținute în întreaga activitate

E1. Procedeu de obținere a unui preparat gemoterapic pe bază de Momordica charantia pentru tratamentul diabetului non-insulino-dependent, Iosif Ianculov, Botău Dorica, Ciulcă Sorin, Palicica Radu-Dimitrie, Hălmăgean Lucian, **CRIȘAN SIMONA**, Lazăr Alexandru, Brevet de invenție nr. 125280 din 29.10.2010, invenție premiată și medaliată cu:

- ☞ *Diplomă de Excelență și Medalia de Aur* la Salonul Internațional al Cercetării, Inovării și Invenției PROINVENT, Cluj-Napoca - România, martie 2009
- ☞ *Diplomă și Medalia de Aur* la Expoziția Internațională a Creativității și Inovării EUROINVENT, Iași - România, mai 2009
- ☞ *Medalia de Argint* la British Invention Award, Londra - Marea Britanie, octombrie 2009
- ☞ *Medalia de Aur* la Expoziția Internațională de Invenții, Cercetare Științifică și Tehnologii Noi INVENTIKA, București - România, octombrie 2009
- ☞ *Diplomă și Medalia de Aur* la Salon International des Inventions, Geneva - Elvetia, aprilie 2010
- ☞ *Diplomă de Excelență* acordată de ANCS și Ministerul Educației, Cercetării, Tineretului și Sportului, pentru reprezentarea cu succes a României la Salonul Internațional de Invenții de la Geneva, București – România, iunie 2010
- ☞ *Placheta AGRO ARCA* la 3rd INTERNATIONAL FAIR ON INNOVATION, NEW IDEAS, PRODUCTS AND TECHNOLOGIES IN AGRICULTURE AND FOOD INDUSTRY - AGRO ARCA, Slatina - Croatia, mai 2010
- ☞ *Diplomă și Medalia de Argint* la 59ème Concours International Bruxelles – EUREKA, Salon INNOVA, Bruxelles – Belgia, noiembrie 2010

F. Contracte de cercetare în întreaga activitate

F1. Inducerea variabilității somatice la diferite plante medicinale în scopul îmbunătățirii proprietăților terapeutice (hipoglicemiante, bactericide, antivirale, etc.) ale acestora, PROIECT PN-II-ID-PCE 731/2007, Contract nr. 409/2007, Membru în echipa de cercetare, 2007-2010

F2. Elaborarea unui model de management al proiectelor de investiții în vederea realizării unui echilibru dinamic economic-ecologic, PROIECT PN-II-ID-PCE 1239/2007, Membru în echipa de cercetare, 2007-2010

F3. Sisteme computerizate de filtrare și separare activate cu ultrasunete și controlate cu biosenzori pentru procese textile, PROIECT CEEX 77/2006, Membru în echipa de cercetare, 2006-2009

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