

The List of Scientific Papers

Zdremțan Monica (born Mârzan)

A. PhD Thesis

Physiological research regarding the improvement of the „in vitro” micromultiplication method and the obtaining, through haploidy, of new tobacco plants with superior qualities, Scientific Coordinator, Prof. dr. Tiberiu Suci, The University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, confirmed through the order of the Ministry of Education no. 3293 from 04.02.1997.

B. Books and chapters published

B1. Monica Zdremțan, Multiple Choice Questions, Fruits and Vegetables Processing Technologies, Comunitary Agriculture Policies, Genetics , Editura Gutenberg Arad, 2021, ISBN 978-606-675-338-8.

B2. Podrumar Teodor, **Monica Zdremțan**, *The role of fertilizers on the quality and quantity of grape varieties for red and white wines in the centre of the wine cellar Miniș*, Publishing House of the „Aurel Vlaicu” University in Arad, ISBN 978-973-752-639-7, **2012**, 206 pages.

B3. **Monica Zdremțan**, *Technology and quality control of canned vegetables and fruits*, second edition reviewed, ISBN 978-973-752-289-4, **2008**, 363 pages.

B4. **Monica Zdremțan**, *Preservation of vegetables and fruits – guide for practical works*, Publishing House of the „Aurel Vlaicu” University in Arad, **2008**, ISBN 978-973-752-290-0, 153 pages.

B5. **Monica Zdremțan**, *Genetics: Guide for practical works*, Publishing House of the „Aurel Vlaicu” University in Arad, **2008**, ISBN 978-973-752-291-7, 150 pages.

B6. Dana Radu, **Monica Zdremțan**, *Experimental microbiology of the environment*, Publishing House of the „Aurel Vlaicu” University in Arad, second edition reviewed, ISBN 978-973-752-260-3, **2008**, 240 pages.

B7. Dana Radu, **Monica Zdremțan**, *Experimental microbiology of the environment*, Publishing House of the „Aurel Vlaicu” University in Arad, **2007**, ISBN 978-973-752-145-3, 180 pages.

B8. Sorin Vâtcă, Ștefania Gâdea, **Monica Zdremțan**, *Vegetal Physiology, Practical experiments*, AcademicPres Publishing House, **2007**, ISBN 978-973-744-062-4, 58 pages.

B9. **Monica Zdremțan**, *Genetics and genetical engineering*, Publishing House of the „Aurel Vlaicu” University in Arad, **2007**, ISBN 978-973-117-0, 250 pages.

B10. **Monica Zdremțan**, *Technology and quality control in the food and vegetable canning industry*, Publishing House of the „Aurel Vlaicu” University in Arad, **2007**, ISBN (10) 973-752-108-0, (13) 978-973-752-108-8, 261 pages.

B11. Georgeta Teodorescu, Maria Isac, Valentina Amzăr, Mihaela Sumedrea, Cristina Bădescu, Catița Șarpe, **Monica Zdremțan**, Loredana Beatrice Frăsin, Alina Gabriela Vlăduț, Ion Mutafa, Florin Cristian Marin, *Integrated combat management of the main parasites causing the pear tree decline in Romania*, Tiparg Publishing House, Pitești, **2004**, ISBN 973-7734-98-X, 61 pages.

B12. Zdremțan Monica, Hălmăgean Lucian, Calinovici Ioan, Chiș Sabin, Ciutină Virgil, *Genetics*, Publishing House of the „Aurel Vlaicu” University in Arad, **2004**, ISBN 973-9361-77-3, 244 pages.

B13. Zdremțan Monica, *Genetics*, Dacia Publishing House, Cluj-Napoca, 2004, ISBN: 973-35-1872-7, 474 pages.

B14. Zdremțan Monica, *Tobacco Biotechnology*, Publishing House of the „Aurel Vlaicu” University in Arad, **2003**, ISBN 973-8364-23-3, 188 pages.

B15. Zdremțan Monica, *The technology of tobacco fermentation and the manufacture of cigarettes*, Publishing House of the „Aurel Vlaicu” University in Arad, **2003**, ISBN 973-8363-24-1, 114 pages.

B16. Ivașcu Antonia, Hoza Dorel, Caragea Mihaela, Tămaș Dumitra, Indreiaș Adela, Asănică Adrian, **Zdremțan Monica**, Hălmăgean Lucian, *Catalogue of Peach varieties*, Medro Publishing House, București, **2003**, ISBN 973-8487-04-8, 112 pages.

B17. Zdremțan Monica, Hălmăgean Lucian, Canțar Liliana, Calinovici Ioan, *Practical Guide for Tobacco growers*, Gutenberg Univers Publishing House, Arad, **2003**, ISBN 973-8096-84-7, 132 pages.

B18. Zdremțan Monica, *Tobacco technology*, Gutenberg Publishing House, **2001**, Arad, ISBN 973-8096-21-9, 98 pages.

B19. Zdremțan Monica, *Improvement of the "in vitro" tobacco methods*, Gutenberg 2000 Publishing House, **2000**, Arad, ISBN 973-8096-00-6, 180 pages.

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1. Dumitru Condrat, Virgiliu Ciutina, Mihaela Meșter, Anca Dicu, **Monica Zdremțan**, Daniela Diaconescu, *Quantitative determination of some antioxidant compounds from the Vaccinium myrtills extracts*, Journal of Agroalimentary Processes and Technologies 2023, 29(2), Pages: 103-106; 2023, ISSN: 2069-0053 (print), Agroprint; ISSN (online): 2068-9551 <https://journal-of-agroalimentary.ro/issues/journal-of-agroalimentary-processes-and-technologies-2023-29-2>.

2. 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.

3. 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.

4. Diaconescu, D., **Zdremțan, M.**, Meșter, M., Hălmăgean, L., Condrat, D. – *Quality Improving of Whole Wheat Bread by Using Xylanase*, International Multidisciplinary Scientific Geoconferences, 19th GeoConference on Nano, Bio and Green – Technologies for a sustainable future, Conference Proceedings, volume 19, Micro and Nano technologies, Advances in Biotechnology, June 27-July 6 2019, Albena, Bulgaria, pg. 875 – 880, ISBN 978-619-7408-88-1/ISSN, 1314-2704, DOI: 10.5593/SGEM2019/6.1, 2019.

5. Meșter, M., Condrat, D., **Zdremțan, M.**, Diaconescu, D., Hălmăgean, L. – *Phenolic Profile and Antioxidant Activity of some Species of the Cucurbitaceae Family*, International Multidisciplinary Scientific Geoconferences, 19th GeoConference on Nano, Bio and Green – Technologies for a sustainable future, Conference Proceedings, volume 19, Micro and Nano technologies, Advances in Biotechnology, June 27-July 6 2019, Albena, Bulgaria, pg. 845 – 852, ISBN 978-619-7408-88-1/ISSN, 1314-2704, DOI: 10.5593/SGEM2019/6.1, 2019.

6. Daniela Diaconescu, **Monica Zdremțan**, Mihaela Meșter, Anca Dicu, Lucian Hălmăgean, *The Adaptation of a Bread Recipe to Quinoa Seeds Addition*, Banat's University of

Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Journal of Agroalimentary Processes and Technologies 2018, 24(4), 2018 ,ISSN: 2069-0053 (print) (former ISSN: 1453-1399), Agroprint; ISSN (online): 2068-9551, Volume 24, Issue 4; Pages: 263-266;

7. 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.

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9. 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, June **2014**, Albena, Bulgaria, pag. 581 – 584, ISBN 978-619-7105-20-9, ISSN 1314-2704, DOI: 10.5593/sgem2014B61.

10. 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.

11. Balint Maria, Ciutină V., Hălmăgean L., Meșter Mihaela, **Zdremțan Monica**, Diaconescu Daniela, *Biofertilizers use - a cheap and safe alternative toconventional chemical fertilizers Pisum sativum L. and Phaseolus vulgaris L.*, Journal of Agroalimentary Processes and Technologies 2013, 19(2), 208-211. categoria B+, cod CNCSIS 135), Scientific Conferences, Timișoara, May **2013**, 2343-9459, Volumul I, pag. 173, INDEXATA IFIS, CAS, FSTA, CABI, EVISA, Index Copernicus.

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14. Diaconescu D., **Zdremțan M.**, Hălmăgean L., *The influence of the quality of wheat flour gluten upon the way of action of certain enzymatic improvers in bakery*. Annals of the University of Craiova, vol. XVI(LII), **2011**, pg. 125-130.

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19. Onofrei Adriana Gabriela, Florentina Munteanu, **Monica Zdremțan**, Alexandra Anghel, Anamaria Lucaci, *Fitointercession study of soils contaminated with some heavy metals*, 6th International Symposium „Prospects for the 3rd Millennium Agriculture”, Cluj-Napoca, Vol. 63-64, Seria Animal Sciences and Biotechnologies, Buletinul Universității de Științe Agricole și Medicină Veterinară Cluj-Napoca, ISSN 1843-5262, **2007**, Publishing House AcademicPres, pag. 437-441.
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22. **Monica Zdremțan**, *The Tobacco Quality Improvement By Fermentation Process* The International Symposium Horticulture – Science, Diversity and Harmony, Iași 24-25 May 2007, Scientific Papers, Horticulture Series, Section III: Problems of the Soil; Plants and Environment Protection, Year L (50), **2007**, ISSN 1454-7376, „Ion Ionescu de la Brad” Publishing House, Iași
23. **Monica Zdremțan**, *The Study of Heavy Metals from Tobacco*, The International Symposium Horticulture – Science, Diversity and Harmony, Iași 24-25 May 2007, Scientific Papers, Horticulture Series, Section III: Problems of the Soil; Plants and Environment Protection, Year L (50), **2007**, ISSN 1454-7376, „Ion Ionescu de la Brad” Publishing House, Iași
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25. **Monica Zdremțan**, Dana Zdremțan, *The negative effect of the tobacco smoke on the environment*, 2nd International Symposium „Prospects for the 3rd Millennium Agriculture”, Cluj-Napoca, Vol. 63, Series Horticulture, Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, ISSN 1454-2382, **2006**, Publishing House AcademicPres, pag. 384.
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39. Toma Ștefania, Ivașcu Antonia, Oprea Maria, Delian Elena, Florin Toma, **Zdremțan Monica**, Hălmăgean Lucian, Canțar Liliana, *Searching of genetic resources for powdery mildew resistance by biochemical and physiological parameters at peach and nectarines in Romania*, „International Journal of Horticultural Science”, Hungary, vol. 10, number 1, **2004**, Hungary, ISSN 185-0404, pag. 57.

40. Canțar Liliana, **Zdremțan Monica**, Hălmăgean Lucian, Calinovici Ioan, Ciurea Mihaela *Corrélation entre les differents parametres génétiques et les caractéristiques de la fertilité des caprines*, The session of scientific communications of the University of Agricultural Sciences and Veterinary Medicine of Banat Timișoara, series „Zootechnics and Biotechnologies”, Volume XXXVI, ISSN 1221-5287, Agroprint Publishing House, Timișoara, 22-23 May **2003**, pag. 248-252.

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C. Works published in papers and conference volumes with references (without index)

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2. Daniela Diaconescu, **Monica Zdremțan**, Mihaela Meșter, Lucian Hălmăgean, Dumitru Condrat, *Quality improving of whole wheat bread by using xylanase*, International Symposium Research And Education In Innovation Era 6th Edition, Book Of Abstracts, Chemistry And Application Fields, December 08-10, **2016**, "Aurel Vlaicu" University in Arad, Arad.

3. L. Hălmăgean, Mihaela Meșter, **Monica Zdremțan**, Maria Balint, Daniela Diaconescu, V. Ciutină, *The yellow watermelon with horns (Cucumis metuliferus) – food and therapeutic species with adaptation possibilities in Arad agroecological area*. Scientific Bulletin of ESCORENA (online) – ISSN 2069 – 8070, **2014**.

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E. Patents obtained during the whole activity

F. Research contracts during the whole activity

1. Research Contract No. 1016/13.04.2007, *Research on the use of tobacco extracts as an ecological product for the purpose of combating pest species in trees*, "Aurel Vlaicu" University of Arad –S.C. "MARIDA INTERMED" S.R.L., **contract responsible**.

2. Research Contract No. 939/3, *Research on the elaboration of some recipes to obtain solid or liquid mixes to treat animals against pests from tobacco leaves and other ingredients*, "Aurel Vlaicu" University of Arad-SC. "Comexim R" S.R.L. Lupeni, **contract responsible**

3. Research Contract 1392/26.04.2005, *Research on the technology production of propagating material intended to establish organic fruit tree plantations, according to the industry standards, of the Agrarian Project 294/01.09.2004*, university " Aurel Vlaicu "from Arad – Institute of Research and Development for the Tree Crops, Mărăcineni, Jud. Argeș, **contract responsible**

4. Contract of research and Inter-University collaboration, Nr. 374/28.01.2004: *Research on quality control of semen, in animals, before and after freezing*, "Aurel Vlaicu" University of Arad-General Association of Cattle Farmers in Romania, **contract responsible**.

5. Research Contract No. 538/09.02.2004, *Influence of genetic and non-genetic factors in the bulls' spermatogenesis*, **responsible for the Applied Genetics field**

6. Research Contract No. 15073/22.12.2003, *Genetic improvement of cattles, by developing a computer system, for quantificating and directing productive performances*, "Aurel Vlaicu" University of Arad-D.S.V. Arad, **coordinator**.

7. European Programme FP – 6, *Upgrading Hydrocolloids from Agro by – products for Food and Pharmaceutical Applications*, University of Studies in Milano, Department DISTAM, Italia, **2004, member in the collective**

8. Research Project No. 6793 from 21.12.2004, *Research on the balance of water in the soil in a maize culture and setting the optimal moment for watering*-"Aurel Vlaicu" University of Arad - S.C. „Trei Movile” S.R.L., Șiclău, jud. Arad, **member in the collective**.

9. Research project, CNCSIS code 224/18.01.2004, *The study of biological processes of nitrogen fixators in non-leguminous plants. Modeling of nitrogen fixation mechanism with inorganic chemical systems*, **member in the collective**

10. Research Contract, No. 1862/2003 UMP-MAAP, financed by the World Bank, *Profitabilization of the culture of peaches in small and medium farms*, **member of the collective**

11. Research Contract No. 3149/2003 UMP-MAAP, financed by the World Bank, *Obtaining quality tree propagating material in nurseries, under the conditions of applying technologies with minimal inputs, in small and medium farms*, **member in the collective**.

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Prof. dr. ing. Zdremțan Monica

