

Lecturer Ursachi Claudiu

A. PhD thesis

Title: Prevention of oxidative degradation and improving the quality of vegetables using vacuum impregnation

Scientific area – Industrial engineering, **Dunărea de Jos University of Galați**

B. Books and book chapters

B1. Dinca N., Anca Popa, **Claudiu Ursachi**, *Food chemistry: practical application*, Editura Universității Aurel Vlaicu, Arad, 1999, ISBN 973-9361-22-6, 72 pag .

B2. Dincă N., **Claudiu Ursachi**, Gabriela Onofrei, *Physical and chemical analysis- practical application*, Editura Mirton, Timișoara, 2004, ISBN 973-661-478-6, 62 pag.

B3. **Ursachi Claudiu**, Dicu Anca, Szabo Raluca, Condrat Dumitru, *Oxidation in food and biological systems and prevention methods*, Editura Universității Aurel Vlaicu Arad, 2007, ISBN 978-973-752-112-5.

B4. **Ursachi Claudiu**, Claudia Mureșan, *Principles and methods of food preservation, practical application*, Editura Universității Aurel Vlaicu, Arad. 2012, ISBN 978-973-752-588-8.

B5. **Ursachi Claudiu**, Claudia Mureșan, *General technology in the meat industry: practical application*, Editura Universității Aurel Vlaicu, Arad, 2012, ISBN 978-973-752-613-7

B6. **Ursachi Claudiu**, Dumitru Condrat, *Falsification of food products and their detection*, Editura Universității Aurel Vlaicu, Arad, 2016, ISBN 978-973-752-746-2

C. ISI/BDI articles

C1. Monica Zdremțan, **Claudiu Ursachi**, Antonia Ivașcu, 2004, *A Comparative Study of Some Chemical Compounds at Nectarines and Peaches Genotypes PPV Infected and PPV Free*, Buletinul Universității de Științe Agricole și Medicină Veterinară Cluj-Napoca, vol. 60, pag. 24-28

C2. Monica Zdremțan, **Claudiu Ursachi**, Liliana Canțâr, 2004, *An Improved Method of Obtaining New Tobacco Genotypes by Using Haploid Method in Androgenesis*, Croatian Symposium on Agriculture, University of Zagreb, ISBN 953-6135-40-X.

C3. Claudiu Ursachi, Rodica Segal, 2009, *Nutritional enrichment of fresh vegetable by vacuum impregnation*, Journal of Environmental Protection and Ecology, vol 12, nr. 3, 2011, Pages 1140-1145.

C4. Claudiu Ursachi, Rodica Segal, 2009, *The usage of vacuum impregnation for improving the quality of dried vegetable*, Journal on Processing and Energy in Agriculture, vol. 13, no.2, pag. 132-134, Novi Sad, Serbia, ISSN 1450-5029.

C5. Claudiu Ursachi, Rodica Segal, Claudia Mureșan, 2009, *Vacuum impregnation viability of some fruits and vegetable*, Journal of Agroalimentary Processes and Technologies, vol. XV, nr. 2, pag. 316-319, Timișoara, România, ISSN 1453-1399

C6. Claudiu Ursachi, Rodica Segal, Anca Dicu, 2009, *The usage of vacuum impregnation for improving the quality of frozen fruits*, Journal of Agroalimentary Processes and Technologies, vol. XV, nr. 2, pag. 320-324, Timișoara, România ISSN 1453-1399.

C7. Claudia Mureșan, Anca Mihaela dicu, Virgil Ciutina, Dorina Chambree, **Claudiu Ursachi**, 2011, *Quality Characteristics and Standards for Sunflower Oil from Arad Agricultural Area*, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Agriculture, vol. 68, pag. 357 – 361, Cluj – Napoca, Romania, Print ISSN 1843 – 5246, Electronic ISSN 1843 – 5386.

C8. Claudiu Ursachi, Claudia Mureșan, 2011, *The influence of preliminary vacuum impregnation treatment on the quality of candied fruit*, Journal on Processing and Energy in Agriculture, vol, 15, nr. 1, Novi Sad, Serbia, pag.50-53.

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

D.1 Raluca Siladi, **Claudiu Ursachi**, 2000, *Ascorbic acid and food quality*, Analele Universității Aurel Vlaicu din Arad, pag. 225.

D2. Dincă N., Șisu E., Gabriela Onofrei, **Claudiu Ursachi**, 2001, *GC-MS Methods for identification of drugs*, Scientific and Technical Bulletin, Aurel Vlaicu University of Arad, vol. 6, pag. 14 - 17.

D3. Dincă N., **Claudiu Ursachi**, 2002, *The oxido-reduction potential of plant tissues: The determination of the antioxidant capacity of fruit*, Analele Universității Aurel Vlaicu din Arad, pag. 123.

D4. Claudiu Ursachi, Anca Popa, Claudiu Craiu, Daniela Diaconescu, 2003, *Studies of antioxidant characteristics of some vegetable products: Determination of antioxidant power for some vegetable products extracts*, Universitatea de Științe Agricole și Medicină Veterinară a Banatului Timișoara, Cercetări Științifice – Procese și Tehnologii Agroalimentare, pag.80 - 83.

D5. I. Calinovici, Livia Bârliba, **Claudiu Ursachi**, L. Hălmăgean, 2004, *Researche regarding the establishment of the fertilizer doses in a cherry tree plantation through leaf age diagnosis*, Universitatea de Științe Agricole și Medicină Veterinară a Banatului Timișoara, Cercetări Științifice-Horticultură, pag 31-34.

D6. L. Hălmăgean, V. Ciutină, I. Calinovici, **Claudiu Ursachi**, 2004, *Researches Regarding the Influence of Bacterisation on Seeding Garden Bean Cultures Correlated with the Sowing Period and Sowing Depth*, Analele Universității din Craiova, vol. IX, pag. 207-210.

D7. L. Hălmăgean, Claudia Craiu, V. Ciutină, **Claudiu Ursachi**, 2004, *Molybdenium, Key Factor in Stimulating Morpho-physiological and Symbiotic Processes*, Analele Universității din Craiova, vol. IX, pag. 203-205.

D8. I. Popescu, L. Hălmăgean, V. Ciutină, **Claudiu Ursachi**, I. Calinovici, 2004, *Optimal Harvesting Period for Garden Beans Seeds in Corelation with the Agro-ecological Condition of Arad Area*, Analele Universității din Craiova, pag. 211.

D9. Monica Zdremțan, **Claudiu Ursachi**, Antonia Ivașcu, 2004, *Chemical Composition of Nectarine Genitors Used for Breeding Program in Romania*, Analele Universității Aurel Vlaicu din Arad, pag. 365.

D10. **Claudiu Ursachi**, R. Ianchici, I. Calinovici, 2004, *Research on nitrite and nitrate content of vegetable products market Arad*, Analele Universității Aurel Vlaicu din Arad, pag. 8.

D11. **Claudiu Ursachi**, D.Bojidar, Daniela Cirmatu, Corina Neagoe, 2008, *Study about diagnosis and laboratory confirmation for food poisoning caused by Clostridium botulinum in a traditional meat product*, Jurnalul Oficial al Societății de Igienă și Sănătate Publică din România, ISSN1221-2520.

D12. **Claudiu Ursachi**, Rodica Segal, 2008, *Preliminary study on the use of vacuum impregnation in vegetable product processing*, Scientific and Technical Bulletin Aurel Vlaicu University of Arad, vol 13, pag. 117 -120.

D13. **Claudiu Ursachi**, Rodica Segal, 2009, *Vacuum Impregnation Treatment of Fresh Cut Fruits to Prevent Enzymatic Browning*, The International Scientific Conference "Research People and Actual Tasks on Multidisciplinary Sciences" vol. 1, pag. 204-208, Bulgaria, ISSN 1313-7735.

D14. **Claudiu Ursachi**, Mureșan Claudia, 2010, *Ascorbic acid enrichment of apple and quince by vacuum impregnation*, Scientific and Technical Bulletin Aurel Vlaicu University of Arad.

D15. **Ursachi Claudiu**, Chiș Sabin, Calinovici Ioan,2012, *Ascorbic Acid stability in vacuum impregnated apple*, Internațional Symposium Research and Education in Innovation Era, 4-th edition, Arad.

D16. Ursachi Claudiu, Chiş Sabin, Calinovici Ioan, 2012, *Researches concerning granulometric composition of the soil in Arad area*, Internaţional Symposium Research and Education in Innovation Era, 4-th edition, Arad.

D17. URSACHI Claudiu, CHIŞ Sabin*, CALINOVICI Ioan*, RUS Amalia, 2012, *Ascorbic acid stability in vacuum impregnated apple*, Internaţional Symposium Research and Education in Innovation Era, 4-th edition, Arad.

D18. Ursachi Claudiu, Anca Dicu, Claudia Mureşan Simona Perţa-Crişan, 2016, *Nutritional evaluation of the student menus served at the „Aurel Vlaicu” University canteen*, Internaţional Symposium Research and Education in Innovation Era, 6-th edition, Arad.

D19. Ursachi Claudiu, Anca Dicu, Simona Perţa-Crişan, 2018, **ANTIRADICAL ACTIVITY EVALUATION OF AQUEOUS AND ALCOHOLIC EXTRACTS FROM URTICA DIOICA**, Internaţional Symposium Research and Education in Innovation Era, 7-th edition, Arad.

D20. Ursachi Claudiu, Palcu Sergiu, Claudia Mureşan, 2018, *Toxic plants present in spontaneous flora of western Romania*, Internaţional Symposium Research and Education in Innovation Era, 7-th edition, Arad.

F. Research contracts

F1. Implementing a food safety system according to HACCP principles for meat and meat products IMPACT - POS CCE/CDI. – member.

F2. ANTRES – Entrepreneurship and equal opportunities POSDRU/9/3.1/S/5 - member

F3. Proiect POSDRU/135/5.2/S/128939 Sustainable development of rural areas of West and North – West regions - member.

F4. Closing value chains from the bioeconomy by obtaining innovative bio-products demanded by the market– PRO-SPERPN-III-P1-1.2-PCCDI-2017-0569

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