

Associate professor 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, ISSN: 1454-2382. (Anexa 13)

[WOS:000232801700005](https://www.wos.com)

C2. **Claudiu Ursachi**, Rodica Segal, **2011**, *Nutritional enrichment of fresh vegetable by vacuum impregnation*, Journal of Environmental Protection and Ecology, vol 12, nr. 3, Pages 1140-1145, ISSN: 1311-5065.

<http://www.jepe-journal.info/vol-12-no-3---2011>

[WOS:000296305700042](#)

C3. Simona Gavrilaş, **Claudiu Ursachi**, Mihaela Dochia, Simona Perța Crișan, Florentina Munteanu, **2020**, *The Influence of different vacuum impregnation solution on the colour of fresh-cut apple slices*, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry / 2, 1582-540X.

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[WOS:000596118000007](#)

C4. **Claudiu Ștefan Ursachi**, Simona Perța-Crișan, Florentina-Daniela Munteanu, **2020**, *Strategies to Improve Meat Products' Quality*, Foods, 9, ISSN 2304-8158/2020. (I.F.=4,350)

<https://doi.org/10.3390/foods9121883>

[WOS:000602121900001](#)

C5. **Ursachi, C.Ș.**; Munteanu, Florentina-Daniela.; Cioca, G. *The Safety of Slaughterhouse Workers During the Pandemic Crisis*. *Int. J. Environ. Res. Public Health*, **2021**, 18, 2633.

<https://doi.org/10.3390/ijerph18052633>

[WOS:000628174400001](#)

C6. Simona Perța-Crișan, **Claudiu Ștefan Ursachi**, Simona Gavrilaş, Florin Oancea, Florentina-Daniela Munteanu, **2021**, *Closing the loop with keratin-rich fibrous materials*, Polymers. Polymers, 13, 1896. (I.F.=4,967)

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C7. Gavrilaş, S.; **Ursachi, C.Ș.**; Perța-Crișan, S.; Munteanu, F.-D. Recent Trends in Biosensors for Environmental Quality Monitoring. *Sensors* **2022**, 22, 1513.

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[DOI: 10.3390/S22041513](https://doi.org/10.3390/S22041513)

C8. Gavrilaş, S.; Calinovici, I.; Chiș, S.; **Ursachi, C.-Ș.**; Raț, M.; Munteanu, F.-D. White Grape Pomace Valorization for Remediating Purposes. *Appl. Sci.* **2022**, 12, 1997.

[DOI: 10.3390/APP12041997](https://doi.org/10.3390/APP12041997)

C9. Perța-Crișan, S.; **Ursachi, C.-Ș.**; Chereji, B.-D.; Tolan, I.; Munteanu, F.-D. Food-Grade Oleogels: Trends in Analysis, Characterization, and Applicability. *Gels* **2023**, 9, 386. (I.F.=4,6)

<https://doi.org/10.3390/gels9050386>, [WOS:001020275400001](#)

C10. Perța-Crișan, S.; **Ursachi, C.-Ș.**; Chereji, B.-D.; Munteanu, F.-D. Oleogels—Innovative Technological Solution for the Nutritional Improvement of Meat Products. *Foods* **2023**, 12, 131. <https://doi.org/10.3390/foods12010131>. (I.F.=5,2)

<https://doi.org/10.3390/foods12010131>, [WOS:000909772800001](#)

C11. Blidar, E.V.; Gavrilaş, S.; **Ursachi, C.-Ș.**; Perța-Crișan, S.; Munteanu, F.-D. Perceptions on Drinking Water and Wastewater in a Local Area in Western Romania. *Appl. Sci.* **2023**, 13, 11401. <https://doi.org/10.3390/app132011401> (I.F.=2,7)

<https://doi.org/10.3390/app132011401>, [WOS:001095721500001](#)

C12. Calinovici I., Livia Bârliba, **Ursachi Claudiu**, 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, ISSN 1453-1402.

C13. Hălmăgean, L., V. Ciutină, I. Calinovici, **Ursachi Claudiu, 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, ISSN 1435-1275.

C14. Hălmăgean, L., Claudia Craiu, V. Ciutină, **Ursachi Claudiu, 2004**, *Molybdenium, Key Factor in Stimulating Morpho-physiological and Symbiotic Processes*, Analele Universității din Craiova, vol. IX, pag. 203-205, ISSN 1435-1275.

C15. Monica Zdremțan, **Ursachi Claudiu**, 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.

C16. **Ursachi Claudiu**, 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.

C17. **Ursachi Claudiu**, 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

C18. **Ursachi Claudiu**, 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.

C19. **Ursachi Claudiu**, Rodica Segal, Claudia Mureșan, **2009**, *Vacuum Impregnation pretreatment of fresh cut vegetable*, Acta Technica Corviniensis – Bulletin of Engineering, Fascicule 2, Tome II, pag. 17 – 20, ISSN: 1584-2665.

C20. **Ursachi Claudiu**, 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.

C21. Claudia Mureșan, Anca Mihaela Dicu, Virgil Ciutina, Dorina Chambree, **Ursachi Claudiu, 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.

C22. **Ursachi Claudiu**, 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, ISSN 1450-5029..

C23. Simona Perța-Crișan, **Ursachi Claudiu**, Munteanu Florentina-Daniela, **2019**, *Trends in valorization 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, ISSN 1582-1021.

C24. Simona Gabriela, **Ursachi Claudiu**, Mihaela Dochia, Simona Perța Crișan, Florentina Munteanu, **2020**, *The Influence of different vacuum impregnation solution on the colour of fresh-cut apple slices*, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry / 2, ISSN 1582-540X.

C25. **Ursachi Claudiu**, Anca Dicu, **2020**, *Tendințe nutriționale actuale în alimentația de protecție pentru copii*, ISBN 978-606-26-1225-2, pag.113-121.

C26. Anca Mihaela Dicu, Simona Perța-Crișan, Ionela-Marinela Rotar, **Claudiu-Ștefan Ursachi, 2022**, Reformulated meat product with wild garlic and chestnut flour, JOURNAL OF AGROALIMENTARY PROCESSES AND TECHNOLOGIE– INTERNATIONAL FOOD INFORMATION SERVICE, ISSN 2069-0053/2022/IFIS

C27. Ursachi, **Claudiu**, et al. "PRELIMINARY STUDIES ABOUT SOME FACTORS INFLUENCING THE PROPERTIES OF OLEOGELS." *Scientific and Technical Bulletin, Series: Chemistry, Food Science and Engineering* 19 (2022): 34-42.

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

D1. Raluca Siladi, **Claudiu Ursachi, 2000**, *Acidul ascorbic și calitatea produselor alimentare*, Analele Universității Aurel Vlaicu din Arad, pag. 225.

D2. Dincă N., Șișu 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**, *Potențialul oxido-reducător al unor țesuturi vegetale: Determinarea capacității antioxidante a unor fructe*, Analele Universității Aurel Vlaicu din Arad, pag. 123.

D4. Ursachi **Claudiu**, 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. 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.

D6. **Claudiu Ursachi**, R. Ianchici, I. Calinovici, **2004**, *Cercetări privind conținutul de nitriți și nitrați a unor produse vegetale de pe piața arădeană*, Analele Universității Aurel Vlaicu din Arad, pag. 8.

D7. **Claudiu Ursachi**, D.Bojidar, Daniela Cîrnatu, Corina Neagoe, **2008**, *Studiu privind diagnosticul de laborator și confirmarea unei toxinfecții alimentare produsă de Clostridium botulinum dintr-un produs tradițional*, Jurnalul Oficial al Societății de Igienă și Sănătate Publică din România, ISSN1221-2520.

D8. **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, Romania, vol 13, pag. 117 -120.

D9. **Claudiu Ursachi**, Mureșan Claudia, **2010**, *Ascorbic acid enrichment of apple and quince by vacuum impregnation*, Scientific and Technical Bulletin Aurel Vlaicu University of Arad, Romania.

D10. Ursachi **Claudiu**, Chiș Sabin, Calinovici Ioan, Rus Amalia, **2012**, *Ascorbic acid stability in vacuum impregnated apple*, Internațional Symposium Research and Education in Innovation Era, 4-th edition, Arad, Romania.

D11. Ursachi **Claudiu**, Chiș Sabin, Calinovici Ioan, **2012**, *Researches concerning granulometric composition of the soil in Arad area*, Internațional Symposium Research and Education in Innovation Era, 4-th edition, Arad, Romania.

D12. Dicu Anca, Perța-Crișan Simona, Mureșan **Claudia**, **Ursachi Claudiu**, **2012**, *Testing the antioxidant effect of some plant extracts on lipids*, Internațional Symposium Research and Education in Innovation Era, 4-th edition, Arad, Romania.

D13. **Ursachi Claudiu**, Dicu Anca, Rus Amelia, Calinovici Ioan, **2014**, *Changes in physical properties of some fruits after vacuum impregnation treatment*, Internațional Symposium Research and Education in Innovation Era, 5-th edition, Arad, Romania.

D14. **Ursachi Claudiu**, Anca Dicu, Claudia Mureșan Simona Perța-Crișan, **2016**, *Nutritional evaluation of the student menus served at the „Aurel Vlaicu” University canteen*, Internațional Symposium Research and Education in Innovation Era, 6-th edition, poster, Arad, Romania.

D15. Anca Dicu, Simona **Ursachi Claudiu**, Perța-Crișan, **2018**, *Antiradical activity evaluation of aqueous and alcoholic extracts from urtica dioica*, Internațional Symposium Research and Education in Innovation Era, 7-th edition, poster, Arad, Romania.

D16. Palcu Sergiu, **Ursachi Claudiu**, Claudia Mureșan, **2018**, *Toxic plants present in spontaneous flora of western n Romania*, Internațional Symposium Research and Education in Innovation Era, 7-th edition, Arad, Romania.

D17. Sergiu Palcu, Claudia Mureșan, Monica Lungu, **Claudiu Ursachi**, Florentina Munteanu, **2019**, *Role of the fat content in the preparation of puff pastry with a layered structure*, Internațional Symposium Research and Education in Innovation Era, 8-th edition, Arad, Romania.

D18. **Claudiu Ursachi**, Claudia Mureșan Simona Perța-Crișan, Sergiu Palcu, **2019**, *Improving Firmness Of Some Fresh And Pasteurized Fruits*, Internațional Symposium Research and Education in Innovation Era, 8-th edition, Arad, Romania.

F. Research contracts

F1. Project manager:

Project type: PN-III-P1-1.2-PCCDI-2017-0569

Project title: Closing the bioeconomy value chains by obtaining innovative bioproducts required by the market - PROSPER.

F2. Member of the project team

Type of project: Experimental Demonstration Project (PED)

Project code: PN-III-P2-2.1-PED-2021-3240

Project title: Improving the nutritional quality of some meat products by applying innovative technological strategies

F3. Implementing a food safety system according to HACCP principles for meat and meat products IMPACT - POS CCE/CDI. – member.

F4. ANTRES – Entrepreneurship and equal opportunities POSDRU/9/3.1/S/5 - member

F5. Proiect POSDRU/135/5.2/S/128939 Sustainable development of rural areas of West and North – West regions - member.

17.05.2024

Associate professor. Ursachi Claudiu