

“Aurel Vlaicu” University of Arad

Faculty of Food Engineering, Tourism and Environmental Protection Arad

Department of Technical and Natural Sciences

Scientific work

Phd. eng. Dicu Anca Mihaela

A. PhD Thesis

“Study of antioxidant properties of some compounds from culture plants and spontaneous flora”
„Dunarea de Jos” University, Galati, Romania, 2006, Doctor Field: Industrial Engineering,
Phd. Supervisor professor Rodica Segal,

B. Books and chapters published

B1. Szabo Raluca Maria, **Dicu Anca**, Ursachi Claudiu, Condrat Dumitru, 2007, *Oxidation in food and biological system and methods of prevention*, Ed. „Aurel Vlaicu” University of Arad, Arad, Romania, ISBN 978-973-752-112-5.

B2. **Dicu Anca Mihaela**, 2007, *Vegetable oils and fats*, Ed. „Aurel Vlaicu” University of Arad, Arad, Romania, ISBN 978-973-752-192-7

B3. Mure an Claudia, **Dicu Anca**, Palcu Sergiu, 2011, *Culinary techniques. Fundamental concepts and practical applications*, Ed. „Aurel Vlaicu” University of Arad, Arad, Romania, ISBN 978-973-752-551-2

B4. **Dicu Anca Mihaela**, Per a-Cri an Simona, 2012, *Quality and sensory analysis of food* , Ed. „Aurel Vlaicu” University of Arad, Arad, Romania ISBN 978-973-752-612-0

B5. Per a-Cri an Simona, **Dicu Anca Mihaela**, 2011, *Sensory analysis – practical application*, Ed. „Aurel Vlaicu” University of Arad, Arad, Romania ISBN 978-973-752-571-0

B6. **Anca Mihaela Dicu - coordinator**, 2016, “ *Traditional food dishes from Arad area*”, ISBN EIKON 978-606-711-531-4; ISBN coala Ardelean 978-606-797-079-1, Cluj, Romania

B7. **Anca Mihaela Dicu - coordinator**, 2017, “ *Traditional customs from Arad area*”, Ed. Gutenberg of Arad, Arad, Romania, ISBN 978-606-675-157-5

C. Work ISI / BDI published

C1. Diaconescu, D., **Popa, A. (Dicu)** *The Effects of Glucose-oxidase in Bread*. Scientific Researches Agroalimentary Processes and Technologies, vol. IX, ISSN 1453-1399, pg. 66-69, 2003.

C2. **Popa, A. (Dicu)**, Craiu, C., Diaconescu, D., Ursachi, C. *Studies of Antioxidant Characteristics of Some Vegetable Products. II. Determination of Antioxidant Power for Some Vegetable Products Extracts*. Scientific Researches Agroalimentary Processes and Technologies, vol. IX, ISSN 1453-1399, pg. 80-83, 2003.

C3. **Dicu Anca**, Muresan Claudia, Ivan Elisabeta; 2006, *Determination method for antioxidant potential of some tea types*; 41st Croatian Symposium on Agriculture with International Participation, University of Zagreb, Faculty of Agriculture, Croatia, ISBN 953-6331-39-X, pg. 679-681

C4. **Dicu, Anca**, Rodica Segal, 2006, *Evaluation of the Antiradicalic and Antioxidant Effects of Myrtilli Folium Extracts*, Journal of Agroalimentary Processes and Technologies, Timisoara, vol. XII, no. 1, pg 167-174

- C5.** Claudia Mure an, **Anca Dicu**, N. Dinc , M. Bulancea, 2006, *Volatile compounds distinguishing from white wines*; 41st Croatian Symposium on Agriculture with International Participation, University of Zagreb, Faculty of Agriculture, Croatia, ISBN 953-6331-39-X, pg. 743-745
- C6.** **Dicu, Anca**, Rodica Segal, 2006, *Spectral and chemiluminescent characteristics of some plants with antidiabetic role*, Rev. Chim. (Bucharest, Romania), 57(1), pg. 45-48
- C7.** **Dicu, Anca**, Rodica Segal, Maria Giurginca, 2006, *Peroxidation behavior of fatty acids mixture*, Rev. Chim. (Bucharest, Romania), 57(4), pg. 410-413
- C8.** **Dicu, Anca**; 2007, *Determination of antiradical action of some plant types with anti-diabetes role*, 42nd Croatian and 2nd International Symposium on Agriculture, University of Zagreb, Faculty of Agriculture, Croatia, ISBN 978-953-6135-56-1, pg 100
- C9.** **Anca Dicu**, Rodica Segal, 2008, *Evaluation of the antioxidant effect of Juglandis folium extracts using the chemiluminescence tehniqe*, Arad, Romania, XIV, vol. 13, ISSN 1582-1021
- C10.** **Anca Dicu**, 2009, *Determination of antiradical scavenging activity of some plants extracts with antidiabetes role using DPPH technique*, Journal of Agroalimentary Processes and Technologies, Timisoara, Romania, volXV nr. 1, pg 159-162, ISSN 1453-1399.
- C11.** 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, Timisoara, Romania ISSN 1453-1399.
- C12.** Muresan Claudia, **Dicu Anca Mihaela**, Raluca Szabo, Dorina Chambree; 2010, *Analisis of high oleic oil produced from sunflower grown in Arad area*; 45st Croatian and 5th International Symposium on Agriculture, Opatija, Croatia, ISBN 978-953-6331-79-6,
- C13.** Muresan Claudia, **Dicu Anca Mihaela**, Ciutina Virgiliu, Chambree Dorina, Ursachi Claudiu, 2011, *Quality characterisics and standards for sunflower oil from Arad agricultural area*, 10th International Symposium Prospect for the 3th Millenium Agriculture, Cluj-Napoca, Romania, vol. 68(2), ISSUE 2/2011, pg 357-361

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

- D1.** Mure an Claudia, Ciutina V., **Dicu Anca**, H lm gean L., 2006, *The physicochemical characteristics of red wine from Burgund variety from Mini vineyard*, Buletinul Universit ii Agricole i Medicin Veterinar Cluj-Napoca, Romania, vol.62/2006, ISSN 1454-2382, p. 438
- D2.** Mure an Claudia, **Dicu Anca**, Ciutina V., Palcu S., 2006 – *Enzimatic mixtures utilisation in superior red wines obtaining technology*; Scientific and Technical Bulletin, “Aurel Vlaicu” University of Arad, Romania, Series: Chemistry, Food Science&Engineering, vol. 11,pg. 152-155, ISSN 1582-1021
- D3.** Dicu Anca, **Mure an Claudia**, Virginia Faur, 2006 – *Total antioxidant activity determination of some compounds from “Favidiab” tea*; Scientific and Technical Bulletin, “Aurel Vlaicu” University of Arad, Romania, Series: Chemistry, Food Science&Engineering, vol. 11, pg. 19-22, ISSN 1582-1021
- D4.** **Dicu Anca**, Mure an Claudia, Virginia Faur, 2006 – *Total antioxidant activity determination of some compounds from “Favidiab” tea*; Scientific and Technical Bulletin, “Aurel Vlaicu” University of Arad, Series: Chemistry, Food Science&Engineering, vol. 11, pg. 19-22, ISSN 1582-1021

D5. Mure an Claudia, Ciutina V., **Anca Dicu**, S. Palcu, 2007 – *Cromatic index evolution during superiors red wines maturation at Burgund variety*; Bulletin of University of Agricultural Sciences and Veterinary Medicine, Cluj Napoca, Romania, vol.63-64, pg.662-663; ISSN 1843-5246

D6. Vannozzi, G.P., Emferadi, S., T., **Dicu, Anca**, Szabo, Raluca; Mure an, Claudia; Idi oi u Cornelia; 2007, *Experimental analysis of the characteristics and quality standards for "high oleic" sunflower oil obtained from the agricultural experiments carried out in the Arad area in 2006*, Romanian – Italian International Conference „BIOSUN”, 2-3 february, Arad

D7. **Anca Dicu**, Rodica Segal, 2008, *Evaluation of the antioxidant effect of Juglandis folium extracts using the chemiluminescence technique*, Arad, Romania

D8. **DICU Anca**, PER A-CRI AN Simona, MURESAN Claudia, URSACHI Claudiu, **2012**, *Testing the antioxidant effect of some plant extracts on lipids*, Arad, **Romania**, International Symposium Research and Education in Innovation Era, 4th Edition

D9. MURE AN Claudia , PALCU Sergiu, CIUTINA Virgiliu , DOBROMIR Daniela, **DICU Anca**, 2012, *The evolution of wine quality during technological process at superiors wines from Minis*, International Symposium Research and Education in Innovation Era, 4th Edition, Arad, Romania

D10. **DICU Anca**, PER A-CRI AN Simona, MURESAN Claudia, URSACHI Claudiu, 2012, *Testing the antioxidant effect of some plant extracts on lipids*, International simposion “Researce and Education in Inovation Era”, Arad, Romania

D11. **Dicu Anca**, 2014, *Spectral characterization and determination of total antioxidant capacity of burdock extracts using chemiluminescence technique*, Arad, Romania

D12. **Anca Mihaela DICU**, Simona PERTA CRISAN, 2014, *Spectral characterisation and determination of total antioxidant capacity of Burdock extracts using chemiluminescence technique*, International Symposium Research and Education in Innovation Era, 5th Edition, oral presentation, Arad, Romania

D13. **Anca DICU**, Ioan CALINOVICI, Amelia RUS, Claudiu URSACHI, 2014, *Changes in physical properties of some fruits after vacuum impregnation treatment*, International Symposium Research and Education in Innovation Era, 5th Edition, Arad, Romania

D14. **Anca DICU**, Claudia MURE AN, Simona PER A-CRI AN, Claudiu URSACHI, 2016, *Nutritional evaluation of the student menus served at the „Aurel Vlaicu” university canteen*, Arad, International Symposium Research and Education in Innovation Era, 6 th Edition, poster, Arad, Romania

E. Brevete ob inute în întreaga activitate

F .Contracte de cercetare în întreaga activitate

F1. Coordinator - Project Type: Innovation Checks. Project Title: *"Innovative Eco Packaging Solution for Additive / Preservative Bread to Increase Shelf Life and Keep Freshness"*

Contract length: 5 months

Project code: PN-III-P2-2.1-CI-2017-0505, Financing agreement no. 12CI / 2017.

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