

L I S T A
lucrărilor științifice
s.l. ing dr. ing. Dicu Anca Mihaela

A. Lista lucrărilor reprezentative

1. Daniela Diaconescu, Monica Zdremțan, Mihaela Meșter, **Anca Dicu**, Lucian Hălmăgean, **2018**, *The Adaptation of a Bread Recipe to Quinoa Seeds Addition*, Journal of Agroalimentary Processes and Technologies, vol. 24, Issue 4, Pages: 263-266 ISSN: 2069-0053 (print) (former ISSN: 1453-1399), Agroprint; ISSN (online): 2068-9551
2. **Dicu, A.M.**, Balas, M.M., Sîrghie, C., Radu, D., **2018**, *Assessing the Quality of Bread by Fuzzy Weights of Sensory Attributes*, Sofa 2018 - 8th international Workshop on Soft Computing Application, Arad, *accepted for publication*
3. Muresan Claudia, **Dicu Anca Mihaela**, Ciutina Virgiliu, Chambree Dorina, Ursachi Claudiu, **2011**, *Quality characteristics 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, ISSN 1843-5246
4. 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,
5. Ursachi Claudiu, Segal, Rodica, **Dicu, Anca**, **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.
6. **Dicu, Anca**, **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.
7. **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
8. **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
9. **Dicu, Anca**, Rodica Segal, **2006**, *Caracteristici spectrale și chemiluminescente ale unor plante cu rol antidiabetic*, Rev. Chim. (București), 57(1), 45-48
10. **Dicu, Anca**, Rodica Segal, Maria Giurginca, **2006**, *Comportarea la peroxidare a unor amestecuri de acizi grași*, Rev. Chim. (București), 57(4), 410-413

B. Teza de doctorat

"Studiul proprietăților antioxidante a unor compuși din plante de cultură și din flora spontană", 2006, Universitatea „Dunărea de Jos”, Galați, coordonator: prof. Dr. ing. Rodica Segal,

C. Brevete de invenție și alte titluri de proprietate industrială

Brevet de invenție *OSIM RO132866 (A0) / 2018-10-30*

Titlul invenției: **Metodă sustenabilă de ambalare ecologică a pâinii tradiționale fără aditivi, de 1-4 kg**

Autori: Radu Dana Gina, Dicu Anca Mihaela, Sîrghie Cecilia, Diaconescu Daniela, Popescu-Mitroi Ionel

D. Cărți si capitole publicate

- B1.** Dinca N., **Anca Popa (Dicu)**, Claudiu Ursachi, **1999**, *Chimia alimentelor: caiet de lucrări practice*, Editura Universității Aurel Vlaicu, Arad, ISBN 973-9361-22-6, 72 pag
- B2.** **Anca Mihaela Popa (Dicu)**, **2004**, *Uleiuri vegetale alimentare*, Editura Mirton, Timișoara, ISBN 973-661-530-8, 177 pag
- B3.** Szabo Raluca Maria, **Dicu Anca**, Ursachi Claudiu, Condrat Dumitru, **2007**, *Oxidarea in sisteme alimentare si biologice si metode de prevenire*, Editura Universității Aurel Vlaicu, Arad, ISBN 978-973-752-112-5.
- B4.** **Dicu Anca Mihaela**, **2007**, *Uleiuri și grăsimi vegetale*, Ed. Universității „Aurel Vlaicu” Arad, Romania ISBN 978-973-752-192-7
- B5.** Mureșan Claudia, **Dicu Anca**, Palcu Sergiu, **2011**, *Tehnici culinare. Noțiuni fundamentale și aplicații practice*, Ed. Universității „Aurel Vlaicu” Arad, Romania, ISBN 978-973-752-551-2
- B6.** **Dicu Anca Mihaela**, Perța-Crișan Simona, **2012**, *Calitatea și analiza senzorială a alimentelor*, Ed. Universității „Aurel Vlaicu” Arad, Romania, ISBN 978-973-752-612-0
- B7.** Perța-Crișan Simona, **Dicu Anca Mihaela**, **2011**, *Analiza senzorială – aplicații practice*, Ed. Universității „Aurel Vlaicu” Arad, Romania, ISBN 978-973-752-571-0
- B8.** **Anca Mihaela Dicu - coordonator**, **2016**, *“Preparate culinare tradiționale din zona Aradului”*, ISBN EIKON 978-606-711-531-4; ISBN Școala Ardeleană 978-606-797-079-1, Cluj Napoca, Romania
- B9.** **Anca Mihaela Dicu - coordonator**, **2017**, *“Datini și obiceiuri tradiționale din zona Aradului”*, Ed. Gutenberg of Arad, Romania, ISBN 978-606-675-157-5

E. Articole/studii in extenso, publicate în reviste din fluxul științific internațional principal

- C1.** Diaconescu, D., Popa, A. (Dicu), **2003**, *The Effects of Glucose-oxidase in Bread*, Scientifical Researches Agroalimentary Processes and Technologies, Timisoara, vol. IX, ISSN 1453-1399, pg. 66-69,
- C2.** Popa, A. (Dicu), Craiu, C., Diaconescu, D., Ursachi, C., **2003**, *Studies of Antioxidant Characteristics of Some Vegetable Products. II. Determination of Antioxidant Power for Some Vegetable Products Extracts*. Scientifical Researches Agroalimentary Processes and Technologies, Timisoara, vol. IX, ISSN 1453-1399, pg. 80-83
- C3.** Mureșan (Craiu) Claudia, Popa (Dicu) Anca, Craiu I., Harja F., **2003**, *Study regarding the antiradicalic activity of red wines polyphenols* - vol. Cercetări Științifice; Procese și tehnologii alimentare, Univ. de Științe Agricole și Medicină Veterinară a Banatului, Editura Agroprint, Timișoara, pg. 49-52, ISSN 1453-1399
- C4.** Mureșan Claudia, Dincă N., Popa (Dicu) Anca, Bulancea M., **2005**, *Identification of several volatile components from red wine*; Universitatea de Științe Agricole și Medicină Veterinară a Banatului Timișoara, Scientifical Researches, Agroalimentary processes and technologies, vol. XI nr. 2, pg. 321– 326, Ed. Agroprint, Timișoara
- C5.** 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
- C6.** 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

- C7.** Claudia Mureșan, Anca Dicu, N. Dincă, 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
- C8.** Dicu, Anca, Rodica Segal, **2006**, *Caracteristici spectrale și chemiluminescente ale unor plante cu rol antidiabetic*, Rev. Chim. (București), 57(1), 45-48
- C9.** Dicu, Anca, Rodica Segal, Maria Giurginca, **2006**, *Comportarea la peroxidare a unor amestecuri de acizi grași*, Rev. Chim. (București), 57(4), 410-413
- C10.** Mureșan Claudia, Ciutina V., Dicu Anca, Hălmăgean L., **2006**, *The physicochemical characteristics of red wine from Burgund variety from Miniș vineyard*, Buletinul Universității Agricole și Medicină Veterinară Cluj-Napoca, Romania, vol.62/2006, ISSN 1454-2382, p. 438-439
- C11.** Mureșan 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 1843-5254
- C12.** **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
- C13.** **Dicu, Anca**, **2009**, *Determination of antiradical scavenging activity of some plants extracts with antidiabetes role using DPPH technique*, Journal of Agroalimentary Processes and Technologies, Timisoara, Romania, vol XV nr. 1, pg 159-162, ISSN 1453-1399.
- C14.** Ursachi Claudiu, Segal, Rodica, **Dicu, Anca**, **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.
- C15.** 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,
- C16.** Muresan Claudia, **Dicu Anca Mihaela**, Ciutina Virgiliu, Chambree Dorina, Ursachi Claudiu, **2011**, *Quality characteristics 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, ISSN 1843-5246
- C17.** Daniela Diaconescu, Monica Zdremțan, Mihaela Meșter, **Anca Dicu**, Lucian Halmagean, **2017**, *The adaptation of a bread recipe for quinoa seeds addition*, “7th International Conference on Food Chemistry, Engineering and Technology”, - poster
- C18.** **Dicu, A.M.**, Balas, M.M., Sîrghie, C., Radu, D., **2018**, *Assessing the Quality of Bread by Fuzzy Weights of Sensory Attributes*, Sofa 2018 - 8th international Workshop on Soft Computing Application, Arad, *accepted for publication*
- C19:** Goli, A., Tirkolae, E. B., Hosseinabadi, A. A. R., Zamani, M., Dicu, A. **2018**, *University Exam Scheduling Problem Using Genetic Algorithms*, Sofa 2018, 8th international Workshop on Soft Computing Application, Arad, *accepted for publication*
- C20:** M.M. Balas, R. Lile, L. Copoloviciu, A. Dicu, K. Cincar, **2018**, *Human-Plant Symbiosis by Integrated Roof-Top Greenhouses*, Sofa 2018, 8th international Workshop on Soft Computing Application, Arad, *accepted for publication*
- C21:** Iqbal,S., Zhang, C., Arif, M., Wang, Y., and **Dicu, A.M.**, **2018**, *A comparative study of Fuzzy logic regression and ARIMA models for prediction of gram production*, Sofa 2018, 8th international Workshop on Soft Computing Application, Arad, *accepted for publication*

C22. Daniela Diaconescu, Monica Zdremțan, Mihaela Meșter, **Anca Dicu**, Lucian Hălmăgean, **2018**, *The Adaptation of a Bread Recipe to Quinoa Seeds Addition*, Journal of Agroalimentary Processes and Technologies, vol. 24, Issue 4, Pages: 263-266 ISSN: 2069-0053 (print) (former ISSN: 1453-1399), Agroprint; ISSN (online): 2068-9551

F. Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

D1. Mureșan (Craiu) Claudia, Craiu I., Ciurea Mihaela, **Popa (Dicu) Anca**, **2003**, Des recherches concernant l'évolution de certains indices du beurre dans le temps, Scientific and Technical Bulletin, Series Chemistry, Food Science & Engineering, vol. 8, Universitatea „Aurel Vlaicu” Arad, pg. 60-66, ISSN 1582-1021

D2. Ciutină V., Mureșan (Craiu) Claudia, Hălmăgean L., **Popa (Dicu) Anca**, Iancu Gh., **2004**, Researches concerning red wine grapes maturity in conditions of Miniș-Măderat wine-state, 6 Th International Conference on Food Science, University of Szeged, ISBN 963 482 676 8

D3. Mureșan (Craiu) Claudia, Hălmăgean L., **Popa (Dicu) Anca**, Craiu I., Chiș S., **2005**, Pesticides application effect over the symbiotic processes in vegetable culture; Natural Resources and Sustainable Agriculture – International Scientific Session Oradea – Debrecen, Part I, University of Oradea Publishing House; pg. 119-122; RO ISBN 973 - 613-898-4, HU ISBN 963-9274-887

D4. Mureșan (Craiu) Claudia, . Hălmăgean L, **Popa (Dicu) Anca**, Iancu Gh., Canțar Liliana, **2005**, The effects of molybdenum microelement application in stimulating symbiosis and morphophysiological processes for vegetables; Natural Resources and Sustainable Agriculture – International Scientific Session Oradea – Debrecen, Part I, University of Oradea Publishing House; pg. 115 - 118; RO ISBN 973-613-898-4, HU ISBN 963-9274-887

D5. Mureșan Claudia, **Dicu Anca**, Ciutina V., Palcu S., **2006**, *Enzymatic 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

D6. Dicu Anca, **Mureșan 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

D7. **Dicu Anca**, Mureșan 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

D8. Vannozzi, G.P., Emferadi, S., T., **Dicu, Anca**, Szabo, Raluca; Mureșan, Claudia; Idișoiu Cornelia; **2007**, *Analiza experimentală a caracteristicilor și standarde de calitate pentru uleiul de floarea soarelui tip „înalt oleic” obținut din experimentele agricole realizate în zona Arad în anul 2006*, Conferința internațională Româno-Italiană „BIOSUN”, 2-3 februarie Arad

D9. **Anca Dicu**, Rodica Segal, **2008**, *Evaluation of the antioxidant effect of Juglandis folium extracts using the chemiluminescence technique*, Arad, Romania

D10. **DICU Anca**, PERȚA-CRIȘAN 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

- D11.** MUREȘAN 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
- D12.** **DICU Anca**, PERȚA-CRIȘAN Simona, MURESAN Claudia, URSACHI Claudiu, **2012**, *Testing the antioxidant effect of some plant extracts on lipids*, International simposion “Research and Education in Inovation Era”, Arad, Romania
- D13.** **Dicu Anca**, **2014**, *Spectral characterization and determination of total antioxidant capacity of burdock extracts using chemiluminescence technique*, Arad, Romania
- D14.** **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
- D14.** **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
- D15.** **Anca DICU**, Claudia MUREȘAN, Simona PERȚA-CRIȘAN, 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
- D16.** **Anca DICU**, Claudiu URSACHI, Simona PERȚA-CRIȘAN, **2018**, *ANTIRADICAL ACTIVITY EVALUATION OF AQUEOS AND ALCOHOLIC EXTRACTS FROM URTICA DIOICA* International Symposium Research and Education in Innovation Era, 7 th Edition, poster, Arad, Romania
- D17.** Simona Perța-Crișan, Ionel Popescu-Mitroi, Claudiu Ursachi, Simona Gavrilaş, **Anca Mihaela Dicu**, Florentina-Daniela Munteanu, **2019**, *Valorisation of Waste Grounded Coffee*, International Symposium Research and Education in Innovation Era, 8 th Edition, Arad, Romania
- D18.** Mihaela Meșter, Daniela Diaconescu, **Anca Dicu**, Monica Zdremțan, **2019**, *Sensory evaluation of kiwano Yoghourt*, International Symposium Research and Education in Innovation Era, 8 th Edition, poster, Arad, Romania

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