

# LISTA DE LUCRĂRI

## 1. Teza de doctorat

- TD1 Banu Iuliana, *Studiul proprietăților de măcinăș ale unor soiuri de secară din cultura mare*, Universitatea „Dunărea de Jos” din Galați, 218 pg, 2004.

## 2. Brevete de invenție

- BI1 Banu Iuliana, Aprodu Iuliana, Vasilean Ina, Drăgoi Larisa, *Procedeu de reducere a conținutului de micotoxine din produsele de panificație*, Patent Number RO126739-A0, Derwent Primary Accession Number: 2012-C23967 [14].
- BI2 Banu Iuliana, Aprodu Iuliana, Vasilean Ina, Barbu Vasilica, *Procedeu biotehnologic de obținere a aluatului acid uscat din făină integrală de secară*, Patent Number RO126627-A0, Derwent Primary Accession Number: 2012-C71337 [17].

## 3. Cărți și capitole de cărți

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- C2 Banu Iuliana, *Politici și strategii globale de securitate alimentară*, Galați University Press, ISBN 978-973-88413-1-4, 263 pg., 2007.
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- C4 Banu Iuliana, *Măcinarea secarei*, Editura Fundației Universitare „Dunărea de Jos”, Galați, ISBN (10) 973-627-327-X, ISBN (13) 978-973-627-327-8, 210 pg., 2006.
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- CC1 Borda Daniela, Banu Iuliana, Bleoancă Iulia, Application of process control charts, pg. 9-34; Borda Daniela, Bleoancă Iulia, Banu Iuliana, Analysing process capability, pg. 34-44, în *Applied Statistics for Food and Biotechnology*, Editor Peter Ho, Springer, ISBN 978-1441978851, in press.
- CC2 Banu Iuliana, Soiuri cultivate. Clasificarea grâului în România, pg. 9-14; Banu Iuliana, Indici de calitate ai grâului, pg. 15-50; Banu Iuliana, Controlul procesului tehnologic din curățătorii, pg. 88-139; Georgeta Stoenescu, Violeta Sorina Ionescu, Banu Iuliana, Controlul procesului tehnologic din secția de măcinăș, pg. 140-169; Banu Iuliana, Aplicații ale calculului statistic în industria morăritului, pg. 215-226, în Banu Iuliana (coordonator), Aprodu Iuliana, Nicolau Anca, Borda Daniela, Dumitrașcu Loredana, Neagu Corina, Stoenescu Georgeta, Ionescu Violeta, *Controlul procesului tehnologic de măcinăș*, Galați University Press, ISBN 978-606-8008-99-8, 2011.
- CC3 Banu Iuliana, Corina Neagu, Aluatul acid, pg. 106-153, în Banu Iuliana (coordonator), Aprodu Iuliana, Bahrim Gabriela, Barbu Vasilica, Neagu Corina, Vasilean Ina, *Bacteriile lactice – Aplicații în panificație*, Galați University Press, ISBN 978-606-8008-74-5, 2010.
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- CC8 Despina Bordei (coordonator) ș.a., *Calitatea și marketingul făinii de grâu*, Editura Academica, Galați, ISBN 973-98859-9-3, 218 pg., 2001.

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- AE3 Aprodu Iuliana, Banu Iuliana, Co-occurrence of fumonisins and T2 toxins in milling maize fractions under industrial conditions, *CyTA - Journal of Food*, 13(1), 102-106, 2015, ISSN 1947-6337. [http://www.tandfonline.com/doi/abs/10.1080/19476337.2014.917702#.VZbBuE0w\\_IU](http://www.tandfonline.com/doi/abs/10.1080/19476337.2014.917702#.VZbBuE0w_IU)
- AE4 Aprodu Iuliana, Banu Iuliana, Influence of Dietary Fiber, Water, and Glucose Oxidase on Rheological and Baking Properties of Maize Based Gluten, *Food Science and Biotechnology*, 24(4), 1301-1307, 2015, ISSN 2092-6456. <http://link.springer.com/article/10.1007%2Fs10068-015-0167-z#/page-1>
- AE5 Banu Iuliana, Drăgoi Larisa, Aprodu Iuliana, From wheat to sourdough bread – a laboratory scale study on the fate of deoxynivalenol content, *Quality Assurance and Safety of Crops & Foods*, 6(1), 53-60, 2014, ISSN 1757-8361. <http://wageningenacademic.metapress.com/content/q164mv3488587732/>
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- AE8 Aprodu Iuliana, Banu Iuliana, Adrian Istrate, Pandele M., Vasile E., Ioniță Mariana, Molecular dynamics analysis of bone morphogenetic protein-2 conformations and mechanical properties, *Digest Journal of Nanomaterials and Biostructures*, 8(1), 81-87, 2013, ISSN 1842-3582.

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- AE10 Banu Iuliana, Aprodu Iuliana, Studies concerning the use of *Lactobacillus helveticus* and *Kluyveromyces marxianus* for rye sourdough fermentation, *European Food Research Technology*, 234(5), 769-777, 2012, ISSN 1438-2377.  
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- AE11 Neagu Corina, Aron Maftai Nicoleta, Banu Iuliana, Nicolau Anca, Aprodu Iuliana, The effect of industrial cleaning on wheat microbial burden and Deoxynivalenol levels, *Environmental Engineering and Management Journal*, 11(10), 1857-1863, 2012, ISSN 1582-9596.  
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- AE13 Banu Iuliana, Vasilean Ina, Constantin Oana, Aprodu Iuliana, Prediction of rye dough behavior and bread quality using response surface methodology, *Irish Journal of Agricultural and Food Research*, 50(2), 239-247, 2011, ISSN 0791-6833.  
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- AE47 Banu Iuliana, L'analyse des fractions de mouture obtenues par la mouture experimentale de certaines varietes de siegle d'automne, *Scientific Study & Research, Chemistry & Chemical Engineering*,

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#### 5. Comunicări/studii publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN sau ISBN)

- MS1 Iancu (Bolea) Carmen Alina, Aprodu Iuliana, Banu Iuliana, Bahrim Gabriela, Vizireanu Camelia, *Effect of thermal treatment on phenolic compounds from black rice*, European Biotechnology Congress, May, 7-9, 2015, Bucharest, *Journal of Biotechnology*, 208, S69, ISSN: 0168-1656.  
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- MS2 Bolea Carmen, Vizireanu Camelia, Banu Iuliana, *Thermal Degradation of Some Bioactive Compounds from Black Rice Flour*, The 7<sup>th</sup> International Symposium All About Food, September, 24-26<sup>th</sup>, 2015, Galați (Book of Abstract, Galați University Press, ISSN 1843-5114).  
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- MS3 Aprodu Iuliana, Vasile Manuela, Banu Iuliana, *Individual and combined effects of exogenous enzymes on the rheological and thermo-mechanical properties of wheat-millet flour blends*, 13<sup>th</sup> International Symposium Prospects for the 3rd Millennium Agriculture 2014, September 25-27<sup>th</sup>, Cluj Napoca, România (Book of Abstract, 371). <http://symposium.usamvcluj.ro/program.php>
- MS4 Aprodu Iuliana, Banu Iuliana, *Structural and functional investigations of collagen-graphene complex by molecular modelling approach*, 13<sup>th</sup> International Symposium Prospects for the 3rd Millennium Agriculture 2014, September 25-27<sup>th</sup>, Cluj Napoca, România (Book of Abstract, 764).  
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- MS5 Iordăchescu Gabriela, Stănciuc Nicoleta, Banu Iuliana, Drăgan Mihaela, *The influence of flour origin and gluten structure on sensory properties of bread*, 3<sup>rd</sup> International ISEKI Food Conference Food Science and Technology Excellence for a Sustainable Bioeconomy 2014, May 21-23, Athens, Greece (Book of Abstract, 295, ISBN 978-960-89789-8-0). [www.isekiconferences.com/athens2014](http://www.isekiconferences.com/athens2014)
- MS6 Pătrașcu Livia, Vasilean Ina, Banu Iuliana, Aprodu Iuliana, *Comparative analysis of functional properties of protein-rich pulse flours*, The 5<sup>th</sup> International Conference on Food Chemistry, Engineering & Technology 2014, May 29 - 30, Timișoara, România (Book of Abstract, 22).



- MS7 Aprodu Iuliana, Banu Iuliana, *Influence of transglutaminase on the rheological properties of wheat millet flour blends*, 12<sup>th</sup> International Symposium Prospects for the 3rd Millennium Agriculture 2013, September 26-28<sup>th</sup>, Cluj Napoca, România (Book of Abstract, 259).  
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- MS8 Aprodu Iuliana, Banu Iuliana, *Molecular modelling investigations on transglutaminase  $\alpha$ -lactalbumin complex*, 12<sup>th</sup> International Symposium Prospects for the 3rd Millennium Agriculture 2013, September 26-28<sup>th</sup>, Cluj Napoca, România (Book of Abstract, 260). <http://www.usamvcluj.ro/symposium>
- MS9 Aprodu Iuliana, Banu Iuliana, Istrate Adrian, *Molecular Dynamics Investigations of Thermal Induced Conformational Changes of Bone Morphogenetic Protein - 2*, International Conference on Bioinformatics and Computational Biology - BIOCAMP BG 2012, September 20-21<sup>th</sup>, Varna, Bulgaria (Book of Abstract, 79). <http://biocomp.bio.uni-plovdiv.bg/>
- MS10 Aprodu Iuliana, Banu Iuliana, Istrate Adrian, *Molecular Dynamics Analysis of Bone Morphogenetic Protein-2 Conformations and Mechanical Properties*, Nanomedicine - from molecules to diagnosis and therapy, October 1-3<sup>th</sup>, Roma, Italia (Book of Abstract, P32). <http://www.nanodrug.cnr.it/index.php>
- MS11 Aprodu Iuliana, Banu Iuliana, Istrate Adrian, *Computational studies of bone morphogenetic protein 2 behaviour*, Biomolecular Thermodynamics, November 26-27<sup>th</sup>, Londra, Marea Britanie (Book of Abstract, 24).  
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