

Iuliana BANU

Scientific Activity

➤ Published papers

Books

1. **Banu C. Iuliana**, *Studies on the milling properties of some rye varieties from large crops*, Dunarea de Jos Galati University, 218 pg, 2004 (PhD. Thesis).
2. **Banu Iuliana**, *Food Security – Politics and Strategies*, Edition Galati University Press, 263 pg., 2007.
3. **Banu Iuliana**, *Milling technology – The General Principles*, Edition Academically Foundation Dunarea de Jos, Galati, ISBN 978-973-627-388-9, 249 pg., 2007.
4. **Banu Iuliana**, *Rye milling*, Edition Academically Foundation Dunarea de Jos, Galati, ISBN (10) 973-627-327-X, ISBN (13) 978-973-627-327-8, 210 pg., 2006.
5. **Banu Iuliana**, *Milling technology. Guidance Work Practice*, Edition Academically Foundation Dunarea de Jos, Galati, ISBN 973-627-180-3, 150 pg., 2004.
6. **Banu Iuliana**, Chapter 10.5, pg. 358-377; Segal Rodica and **Banu Iuliana**, Chapter 4, pg. 141-159, in Gh. M. Costin (editor), *Organic Food*, Edition Academica, Galati, ISBN 978-973-8937-39-0, 2008.
7. **Banu Iuliana**, Chapter 1 in Bordei D. (editor), *Quality control in baking industry. Methods of Analysis*, Edition Academica, Galati, ISBN 978-973-8937-27-7, 783 pg., 2007.
8. **Banu Iuliana**, Chapter 2, 3, 5, 6 in Despina Bordei (editor), *Quality and marketing wheat flour*, Edition Academica, Galati, ISBN 973-98859-9-3, 218 pg., 2001.

Published papers/Oral presentation

1. **Banu Iuliana**, Stoenescu Georgeta, Ionescu Violeta, *Improvement of dough rheology and bread quality by enzymes combination*, Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Buletinul 64, Editura AcademicPres, 6 pg., ISSN 1454-2382, 2008. [ISI ProceedingsSM](#)
2. **Banu Iuliana**, Georgeta Stoenescu, Violeta Ionescu, *Improving the brown flour qualities on the account of the rheological determinations obtained in the alveograph, rheofermentograph and Mixolab*, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2008, vol. IX(1) 93-101. [BDI: Chemical Abstracts – SUA](#), [Viniti – Rusia](#), [CSA – SUA](#), [Grisemine – Lille-Franta: CODEN: SCSCC6 ISSN: 1582-540X](#).
3. **Banu Iuliana**, Violeta Ionescu, Georgeta Stoenescu, *Correction of the enzymatical deficit of wheat flours*, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2008, vol. IX(2), 199-205. [BDI: Chemical Abstracts – SUA](#), [Viniti – Rusia](#), [CSA – SUA](#), [Grisemine – Lille-Franta: CODEN: SCSCC6 ISSN: 1582-540X](#).

4. Oana Constantin, **Banu Iuliana**, Ina Simitaru, Cornelia Lungu, *Hydrothermal treatment – The method for reduced the phytat content from the rye*, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2008, vol. VIII, [BDI: Chemical Abstracts – SUA, Viniti – Rusia, CSA – SUA, Grisemine – Lille-Franta: CODEN: SCSCC6 ISSN: 1582-540X](#).
5. **Banu Iuliana**, Iuliana Aprodu, Ina Simitaru, *Potential of maize cobs for removal Zn(II) and Ni(II) in aqueous systems*, Journal of Agroalimentary Processes and Technologies 14 (2008) 173-177. [BDI: CODEN: JAPTCV ISSN: 1453-1399](#).
6. Iuliana Aprodu, Aurelia Ionescu, **Banu Iuliana**, Constantin Banu, *Actin monomer-monomer interaction – a molecular mechanics study*, The Annals of the University Dunarea de Jos of Galati Fascicle VI – Food Technology, New Series Year II (XXXI), 2008, 44-50, ISSN 1843-5157. [BDI: Chemical Abstracts \(CODEN: AUDJBF\), CAB Abstracts](#).
7. **Banu Iuliana**, *Baking quality of the rye flour*, Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 63-64, Edition AcademicPres, 488-492, ISSN 1454-2382, 2007. [ISI ProceedingsSM](#)
8. **Banu Iuliana**, Cornelia Lungu, Oana Constantin, Ina, Simitaru, *Influence of hydrothermal processing upon soluble phosphorus concentration from barley*, Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 64-64 Edition AcademicPres, 611, ISSN 1454-2382, 2007. [ISI ProceedingsSM](#)
9. **Banu Iuliana**, Moraru Constantin, *Milling Properties of some Romanian Rye Varieties*, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol VIII, 169-178. [BDI: CODEN: SCSCC6 ISSN: 1582-540X](#). (<http://pubs.ub.ro/?pg=revues&rev=csc6>).
10. **Banu Iuliana**, Cornelia Lungu, Oana Constantin, Iuliana Aprodu, *The Influence of the Hydrothermic Treatment on the Soluble Phosphorus Contents in Milling Streams Products*, Journals of Agroalimentary Processes and technologies, vol XIII, nr. 1, Edition Agroprint, Timisoara, ISSN 1453-1399, 7-12, 2007. [BDI: CODEN: JAPTCV ISSN: 1453-1399](#). [Journal written in English. AN 2007:831401 CAPLUS, Section 17 \(Food and Feed Chemistry\)](#)
11. Turtoi Maria, **Banu Iuliana**, *The influence of light pulse drying, on vitamin c content in dog rose (rosa canina) hips*, Jubilee Conference with International Participation, *Agricultural and Food Sciences, Processes and Technologies*, 26-27 aprilie, 2007, pg. 91-99, ISSN 1843-0694, Sibiu, Lucian Blaga University.
12. **Banu Iuliana**, *The evaluation of the quality rye flours on the basis of the biochemical and rheological indices*, Journals of Agroalimentary Processes and technologies, vol XII, nr. 2, Edition Agroprint, Timisoara, ISSN 1453-1399, 291-298, 2006. [BDI: CODEN: JAPTCV ISSN: 1453-1399](#). [Journal written in English. AN 2007:831321 CAPLUS, Section 17 \(Food and Feed Chemistry\)](#).
13. **Banu Iuliana**, Cornelia Lungu, Oana Constantin, Iuliana Aprodu, Liliana Virlan, *The influence of hydrothermal processing upon soluble phosphorus concentration from rye*, Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 62, Edition AcademicPres, 424, ISSN 1454-2382, 2006. [ISI ProceedingsSM ISD Number: BFX12](#);

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14. Banu Iuliana, Iuliana Aprodu, O. Barna, *Competitive adsorption of Zn(II) and Ni(II) ions from aqueous systems by maize cobs*, Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 62, Edition AcademicPres, 414, ISSN 1454-2382, 2006. ISI ProceedingsSM ISD Number: BFX12; <http://www.thomsonscientific.com/cgi-bin/jrnlst/jlresults.cgi>
15. **Banu Iuliana**, *Cinetique d'absorption des ions de zinc et de nickel sur les tiges de maïs*, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. VII, nr. 2, pg. 331-336, Edition Alma Mater Bacau, 1582-540X, 2006. BDI: CODEN: SCSCC6 ISSN: 1582-540X. Journal written in English. AN 2007:19046 CAPLUS, MEDLINE, CASREACT, CHEMLIST, CHEMCATS (Copyright (C) 2007 ACS on SciFinder (R)).
16. **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, Biotechnology, Food Industry, vol. VII, nr. 3, pg. 675-682, Edition Alma Mater Bacau, 1582-540X, 2006. BDI: CODEN: SCSCC6 ISSN: 1582-540X. Journal written in French. AN 2007:359797 CAPLUS, MEDLINE, CASREACT, CHEMLIST, CHEMCATS (Copyright (C) 2007 ACS on SciFinder (R)).
17. **Banu Iuliana**, Agnieszka Miśkiewicz, Marian Harasimowicz, Grażyna Zakrzewska-Trznadel, *Removal of Cobalt Ions by Membrane Permeation Combined with Complexation*, Annals of the University Dunarea de Jos of Galati - Fascicle VI: Food Technology, XXIV, 1, 9-14, 2006, ISSN 1221-4574. BDI: Chemical Abstracts (CODEN: AUDJBF).
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19. Aprodu Iuliana, Ionescu Aurelia, **Banu Iuliana**, Monica Soncini, Alberto Redaelli, *Study of the interaction between myosin and adenine nucleotides*, Annals of the University Dunarea de Jos of Galati - Fascicle VI: Food Technology, XXIV, 1, 1-8, 2006, ISSN 1221-4574. BDI: Chemical Abstracts (CODEN: AUDJBF).
20. Barna O., Moraru C., Tofan I., **Banu Iuliana**, *Effect of low temperature grain storage on granularity products*, Tecnica Molitoria, 57, 10, 1052-1059, ISSN 0040-1862, Italy, 2006. BDI: CAB Abstract, <http://direct.bl.uk/bld/OrderDetails.do?u=48&uin=197124785>.
21. **Banu Iuliana**, Aprodu Iuliana, *Potential of maize cobs for removal Cu(II) in aqueous systems*, The Annals of the University of Craiova, vol XI (XLVII), ISSN 1435-1275, 115-120, 2006. (cotatie B).
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23. Moraru Constantin, **Banu Iuliana**, *The content of pentosans in different rye*

mill-streams obtained through experimental milling, *Tecnica Molitoria International*, 55, 3/A, 131-138, ISSN 0040-1862, Italy, 2004. BDI: CAB Abstract, <http://direct.bl.uk/bld/OrderDetails.do?u=48&uin=149979164>.

24. **Banu Iuliana**, Popa Gina, *L`evolution des quelques groupes des enzymes proteolytiques dans la seigle germinante*, Troisieme colloque franco-roumain de chimie appliquee CoFrRoCa, Slanic Moldova, 200-203, Edition Alma Mater Bacau / Edition Tehnica-Info Chisinau, ISBN 973-8392-36-5 / ISBN 9975-63-183-5, 2004. BDI: CODEN: 69GFCG, CAN 143:188917 AN 2004:1043792 Explored by Author in CAPLUS and MEDLINE; CAPLUS, Copyright (C) 2005 ACS on SciFinder ®
25. **Banu Iuliana**, *The Analysis Of Fractions Obtained Trough Rye Experimental Milling*, Simpozionul International Prospects of the 3rd Millenium Agriculture, Sectiunea Food Science and Technology, Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Buletinul 60, pg. 469, ISSN 1454-2382, 2004, ISI ProceedingsSM ISD Number: BDD14; <http://www.thomsonscientific.com/cgi-bin/jrnlst/jlresults.cgi>
26. **Banu Iuliana**, *Studii privind influenta parametrilor procesului de conditionare asupra rezultatelor macinisului experimental al secarei*, The Information Review for Milling and Baking Industry, 15, 3, 139-144, ISSN 1222-1120, 2004.
27. **Banu Iuliana**, *Studiu privind parametrii optimi ai procesului de conditionare hidrica la rece pentru secara cu sticlozitate ridicata*, The Information Review for Milling and Baking Industry, 15, 1, 73-79, ISSN 1222-1120, 2004.
28. **Banu Iuliana**, Stoenescu Georgeta, *Consideratii privind aplicarea sistemului HACCP in lantul cerealier (I)* The Information Review for Milling and Baking Industry, 15, 1, 59-65, ISSN 1222-1120, 2004.
29. **Banu Iuliana**, *Importanta pentru panificatie a araboxilanilor si a enzimelor de degradare a acestora*, The Information Review for Milling and Baking Industry, 15, 3, 127-138, ISSN 1222-1120, 2004.
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31. Lungu Cornelia, **Banu Iuliana**, Oana Emilia Constantin, *The preliminary treatment and freezing effect on mushrooms quality*, Annales of the University of Craiova, 325-328, ISSN 1435-1275, 2004.
32. **Banu Iuliana**, Moraru Constantin, *Studiul influentei incarcarii specifice asupra rezultatelor procesului de macinis in conditiile unei umiditati diferite a secarei la Sr I*, The Information Review for Milling and Baking Industry, 14, 1, 34-42, ISSN 1222-1120, 2003.
33. **Banu Iuliana**, *Aprecierea calitatii de panificatie a fainii de secara*, AGIR Bulletin– Food Science and Engineering, 3, 7-9, 19-22, 2003, www.agir.ro/buletin_agir_numar=11.
34. **Banu Iuliana**, Moraru Constantin, *The evaluation of α -amylase activity in rye*, Annals of the University Dunarea de Jos of Galati - Fascicle VI: Food

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36. **Banu Iuliana**, *Valorificarea searei*, The Information Review for Milling and Baking Industry, 13, 4, 35-47, ISSN 1222-1120, 2002.
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38. **Banu Iuliana**, Moraru Constantin, *The influence of the rye physical properties on the intrinsic milling value*, Annals of the University Dunarea de Jos of Galati - Fascicle VI: Food Technology, 31-42, ISSN 1221-4574, 2002.
39. **Banu Iuliana**, *Calitatea optima a fainii destinata prepararii pastelor fainoase si biscuitilor II*, The Information Review for Milling and Baking Industry, 12, 1, 20-66, ISSN 1222-1120, 2001.
40. Moraru Constantin, **Banu Iuliana**, *Pigmentii - studiu documentar*, The Information Review for Milling and Baking Industry, 12, 2, 36-66, ISSN 1222-1120, 2001.
41. **Banu Iuliana**, *Valoarea nutritiva a searei si a fainii de secara*, The Information Review for Milling and Baking Industry, 12, 2, 103-111, ISSN 1222-1120, 2001.
42. **Banu Iuliana**, *The nutritional quality of the rye*, Annals of the University Dunarea de Jos of Galati - Fascicle VI: Food Technology, ISSN 1221-4574, 10-18, 2000.
43. **Banu Iuliana**, *Calitatea optima a fainii destinata prepararii pastelor fainoase si biscuitilor I*, The Information Review for Milling and Baking Industry, 11, 3, 4-29, ISSN 1222-1120, 2000.
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45. **Banu Iuliana**, *Pentozanii fainii de secara*, The Information Review for Milling and Baking Industry, 11, 2, 86-110, ISSN 1222-1120, 2000.

➤ **Posters**

1. Alexe P., Niculita P., Enache A., Borda D., Popa M., **Banu Iuliana**, Rotaru G., Stanciu S., Ghidurus M., Turtoi M., Resmerita D., *Industry and interuniversity cooperation in the framework of Calisin - functional dairy foods research project*, in Romania, First International ISEKI_Food Conference, 10-12 sept 2008, Porto, Portugal, ISBN 978-972-99060-7-7, pg.108.
2. **Banu Iuliana**, Lungu Cornelia, Constantin Oana Emilia, Elisei Alina, Virlean Liliana, *The Influence of the Hydrothermal on the Phytate Content in the Rye*, First International Conference, Research People and Actual Task on Multidisciplinary Science, 6-8 June 2007, Lozenec, Bulgaria, 1, 133-137.

3. Aprodu Iuliana, Ionescu Aurelia, **Banu Iuliana**, Banu Constantin, *Actin Monomer-Monomer Interaction – a Molecular Mechanics Study*, Third National Conference on Applied Physics, 15-16 June 2007, Book of Abstract, 24, Edition Academically Foundation Dunarea de Jos, Galati.
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5. **Banu Iuliana**, *Factors Influencing the Contents of Deteriorated Starch in Wheat Flour*, Proceeding of the International Conference Agricultural and Food Sciences, Processes and Technologies, Sibiu Lucian Blaga University, 33-38, ISBN 973-739-094-6, 2005.
6. **Banu Iuliana**, Moraru Constantin, *Influenta procesului de conditionare hidrica asupra indicilor de panificatie ai fainii de secara*, Simpozionul International Symposium Euro-aliment, Galati, 180-186, ISBN 973-8316-68-5, 2003.