

Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: Ingineria Sistemelor Biotehnice

Departamentul: Sisteme Biotehnice

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Gradul didactic: Ș.l. dr. ing.

## L I S T A

### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### A. Teza de doctorat

A1. Munteanu Mariana - Gabriela, *Cercetări privind îmbunătățirea parametrilor regimului de lucru al utilajelor unei linii de fabricat covrigi*, Conducător științific Prof.univ.dr. ing. Gheorghe VOICU, susținută în 20.01.2021.

#### B. Cărți și capitole în cărți publicate în ultimii 10 ani

B1. Voicu Gheorghe, Tudor Paula, Munteanu Mariana – Gabriela, *Teste grila in inginerie*, Ed. Bren, Bucuresti, 2021, ISBN: 978-606-610-251-3, 211 pagini.

B2. Gheorghe VOICU (coordonator), Gabriel-Alexandru CONSTANTIN, Elena-Mădălina ȘTEFAN , Mariana-Gabriela MUNTEANU, *Procese și utilaje pentru morărit*, Ed. Politehnica Press, 2023, ISBNș 978-606-9608-56-2, 326 pag.

#### C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Elena-Madalina Stefan, Gheorghe Voicu, Gabriel-Alexandru Constantin, Gabriela-Mariana Munteanu, George Ipate, *EFFECT OF SUGAR SUBSTITUES ON WHEAT DOUGH RHEOLOGY*, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, ISSN 1582-540X, 2019, 20 (2), pp. 313 – 320, WOS:000474825800015
2. Gabriela-Mariana Munteanu, Gheorghe Voicu, Mariana Ferdeș, Elena-Mădălina Ștefan, Gabriel-Alexandru Constantin, Paula Tudor - *DYNAMICS OF FERMENTATION PROCESS OF BREAD DOUGH PREPARED WITH DIFFERENT TYPES OF YEAST*, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, ISSN 1582-540X, 2019, 20 (4), pp. 575 – 584, WOS:000502846500007
3. Munteanu M.G., Constantin G.A., Voicu Gh., Ștefan E.M., Tudose V., *Structural Analysis Of A Profiled Tumbler Used Within A Machine For Modelling Bagels Dough*, U.P.B. Sci. Bull, Series D, Vol. 83, Iss. 2, 2021, pp.249-260, ISSN 1454-2358

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7. Mariana- Gabriela MUNTEANU, Gheorghe VOICU, Gabriel-Alexandru CONSTANTIN, Elena – Mădălina STEFAN, Paula TUDOR, Mihaela NITU, *EXPERIMENTAL RESEARCH ON ENERGY CONSUMPTION IN THE LAMINATION AND DRAWING OF DOUGH*, INMATEH Agricultural Engineering (FI2022 = 0,7), ISSN 2068-4215, Vol. 70, No. 2 / 2023, p.: 147-154, WOS:001055661600001
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9. Muscalu Gheorghe, Voicu Gheorghe, Stefan Madalina Elena, Munteanu Mariana, *The influence of the kneader type on the rheological properties of dough*, 3rd International Multidisciplinary Scientific Conference on Social Sciences and Arts, SGEM 2016, Albena, BULGARIA, Pag. 807-814, 2016, WOS:000391648800107
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14. Elena-Madalina Stefan, Gheorghe Voicu, Gabriel-Alexandru Constantin, George Ipate, Mariana Munteanu, *Effect of whole buckwheat flour on technological properties of wheat flour and dough*, 17th International Scientific Conference ENGINEERING FOR RURAL DEVELOPMENT Proceedings, Volume 17 May 23-25, 2018, Jelgava, LATVIA, ISSN 1691-5976, p. 1533-1538, 10.22616/ERDev2018.17.N393, WOS:000805412200234
15. Ferdes Mariana, Dinca Mirela, Zabava Bianca, Paraschiv Gigel, Munteanu Mariana, Ionescu Mariana, *Laccase enzyme production and biomass growth in liquid cultures of wood-degrading fungal strains*, ACTUAL TASKS ON AGRICULTURAL ENGINEERING, Vol. 46, Pag. 341-348, 2018, WOS:000506355900034
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Thermal Equipments, Renewable Energy and Rural Development (TE-RE-RD 2020), 04006, 1-8 pag., DOI: [10.1051/e3sconf/202018004006](https://doi.org/10.1051/e3sconf/202018004006)

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27. M.G. Munteanu, Gh. Voicu, N. Ungureanu, B.Șt. Zăbavă, M. Ionescu, G.A. Constantin, I.A. Istrate, *Methods for determining the characteristics of flour and dough*, 5th International Conference on Thermal Equipment, Renewable Energy and Rural Development, 2 – 4 june 2016, Golden Sands, Bulgaria, p. 349-354, ISSN 2457-3302, ***Indexare Copernicus, Ebsco Host, Research Databases, ASI, SIS***
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42. Mădălina-Elena ȘTEFAN, Gheorghe VOICU, Gabriel-Alexandru CONSTANTIN, Mariana MUNTEANU, Mariana IONESCU, *Effects of wheat seeds characteristics on roller milling process – a review*, 7th International Conference on Thermal Equipment, Renewable Energy and

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44. Voicu Gh., Constantin G.A., Stefan E.M., Tudor P., Munteanu M.G., *Some aspects regarding the active packaging of food products / Unele aspecte privind ambalarea activă a produselor alimentare* Proceeding of International Symposium ISB-INMA TEH 2018, AGRICULTURAL AND MECHANICAL ENGINEERING, 1-3 Noiembrie 2018, Bucureşti, România, p 661-666, ISSN 2344-4118, ***Indexare Cabi Copernicus, Ebsco Host, Research Databases, ASI, SIS***
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*EXPERIMENTAL RESEARCHES ON ENERGY CONSUMPTION FOR OBTAINING ROSEHIP POWDER USING A MILL FOR HARD PRODUCTS CERCETĂRI EXPERIMENTALE PRIVIND CONSUMUL DE ENERGIE LA OBȚINEREA PULBERII DE MĂCEȘE UTILIZÂND O MOARĂ PENTRU PRODUSE DURE*, ISB-INMA TEH AGRICULTURAL AND MECHANICAL ENGINEERING, ISSN 2344-4118, București 5 October – 6 October 2023, p. 130-137 **Indexed in: CAB DIRECT, Index Copernicus**

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51. Elena-Mădălina ȘTEFAN, Aura-Irina ISTRATE, Gabriel-Alexandru CONSTANTIN, Mariana-Gabriela MUNTEANU, Gheorghe VOICU, Gabriel MUȘUROI, *ASPECTS OF PHYSIOLOGICAL AND BIOCHEMICAL CHANGES IN CEREAL PLANTS GROWN IN HEAVY*

52. *METAL-POLLUTED SOILS – REVIEW*, International Symposium ISB-INMA TEH AGRICULTURAL AND MECHANICAL ENGINEERING, ISSN 2344-4118, București 31 October – 1 November 2024, p. 554-563, **Indexed in: CAB DIRECT, Index Copernicus**

#### **D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți**

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**E. Brevete obținute în întreaga activitate**

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**Semnătura:**