

LUCRĂRI PUBLICATE

In reviste de specialitate

1. **Isopencu G.**, Mares Alina Monica, Jinescu Gheorghita, “*Interparticulate forces in powdery materials beds*”, U.P.B. Sci. Bull, Series B, **69**, no.3, p.27-34, **2007**, ISSN 1454-2331.(B+)
2. Mares Alina Monica, **Isopencu G.**, Jinescu Cosmin, *Aspecte privind uscarea biomaterialelor granulare prin procedee intensive. I. Dinamica stratului fluidizat in prezenta de material inert*, Revista de Chimie, vol **59**, nr. 1., **2008**, p. 79-87
3. Mares Alina Monica, **Isopencu G.**, Jinescu C., Vasilescu P., Jinescu Gheorghita, „*Aspecte privind uscarea biomaterialelor granulare prin procedee intensive. II. Uscarea granulelor de malț în strat fluidizat în prezență de material inert*”, Revista de Chimie, **59**, nr.3, p.283-291, **2008**, ISSN 0034-7752.
4. Mares Monica, **Isopencu G.**, Jinescu Gheorghita, ”*The influence of geometrical and material characteristics upon dynamic parameters at granular material in spouted bed processing*”, Chem. Bull. POLITEHNICA Univ. (Timisoara), v. 53(67), 1-2, p.208-211, **2008**. (B+)
5. Jinescu Gheorghita, Tebrencu Carmen, Mihailescu D., **Isopencu G.**, Mares Monica, “*Vitamin C and flavones degradation during the drying process of the wild rose materials*”, Revista de Chimie, **60**, nr.4, p. 403-410, **2009**, ISSN 0034-7752.
6. Jinescu Gheorghita, Mihailescu D., **Isopencu G.**, Mares Monica, “*Contributions to Spray Drying Kinetics Modeling of the Wild Rose Fruits Extract*”, Revista de Chimie, **60**, nr.6, p. 616-620, **2009**, ISSN 0034-7752.
7. Arus Vasilica Alisa, Jinescu Gheorghita, Nistor I.Denisa, Miron N.D., Ursu Alina Violeta, **Isopencu G.**, Mares Alina Monica, “*The preparation and characteriyation of anionic clays used like kinetic modifies in lactic fermentation*”, Revista de Chimie, **61**, nr.11, p. 1100-1104, **2010**
8. Ursu Alina, Nistor Ileana, Gros Fabrice, Arus Alisa, **Isopencu G.**, Mares Alina, “*Hydrodynamic aspects of fluidized bed stabilized in magnetic field*”, U.P.B. Sci. Bull., Series B, **72**, nr. 3, p. 85-98, **2010** (B+)
9. Ursu A-V, Jinescu C, Nistor D I, Arus V. A., **Isopencu G.**, Mares A. M. „*Estimation of the dynamic parameters of mono and bicomponent granular particles beds fluidization*”, Revista de Chimie, **61**, nr.12, p. 1226-1230, **2010**, ISSN 0034-7752.
10. Vladan S.I., **Isopencu G.**, Jinescu C., Mares Monica, „*Aspects regarding the use of sorgum by gaseification*”, Revista de Chimie, **62**, nr.1, p. 116-117, **2011**
11. Platon, N., Siminiceanu, I., Miron, N.D., Muntianu, G., Zavada, R.M., **Isopencu G.**, Nistor, I.D., *Preparation and characterization of new products obtained by pillaring process*, Revista de Chimie, **62**, nr 8, p 799-805, **2011**
12. Vlădan, S.I., **Isopencu G.**, Jinescu, C., Mareș, M.A., *Process simulation to obtain a synthesis gas with high concentration of hydrogen*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, **73**, nr 1, p. 29-36, **2011**
13. Mardaru, A., Djelveh, G. **Isopencu G.**, Jinescu, C., Mareș, A.M., Ghimiciu, G., *Characterizing foams flow obtained by continuous foaming operation*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, **73**, nr 3, p. 117-132, **2011**
14. Aruș, V.A., Nistor, I.D., Ursu, A.V., **Isopencu G.**, Jinescu, C., Mareș, M., *Modeling and optimization of lactic fermentation process in the presence of anionic clays using experiments design*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, **73**, nr 1, p. 15-28, **2011**

15. **Isopencu G.**, Ferdes, M., *Aspects regarding the influence of concentration of components with antifungal activity from some essential oils*, Revista de Chimie, 63, nr 2, p 205-211, **2012**
16. Mardaru, A., Jinescu, C., Prisecaru, T., **Isopencu G.**, Mares, M., *Evaluation of flow field in a column with stirring using CFD analysis*, Revista de Chimie, 63, nr 8, p 825-830, **2012**
17. **Isopencu G.**, Ferdeş, M., *The effect of anethum graveolens upon the growth of E. Coli*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 74, nr 3, p. 85-92, **2012**
18. Jinga, S.I., **Isopencu G.**, Stoica-Guzun, A., Stroescu, M., Ferdes, M., Ohreac, B., *Silver green synthesis on bacterial cellulose membranes using tannic acid*, Digest Journal of Nanomaterials and Biostructures, 8, nr. 4, p. 1711-1717, **2013**
19. Arus, V.A., Jinescu, C., Nistor, I.D., **Isopencu G.**, *Ultrasound Intensification of Lactic Fermentation Process in the Presence of Anionic Clays*, Revista De Chimie, 65 nr. 8, p. 942-947, **2014**
20. Muntianu, G., Ursu, A.V., Djelveh, G., **Isopencu, G.**, Mares, A.M., Nistor, I.D., Jinescu, C.V., *Dynamic Parameters for Mixtures of Pillared Clay-Magnetic Particles in Fluidized Bed in Coaxial Magnetic Field*, Revista de Chimie, 65, nr. 9, p. 1077-1085, **2014**
21. **Isopencu G.**, Tanase, A., Josceanu, A., Lavric, V., *Influence of the operating parameters on the E. COLI BL21 (DE3) growth in fedbatch bioreactor*, Revista De Chimie, 65 nr. 12, p. 1511-1516, **2014**
22. Gogulancea V., **Isopencu G.**, Ferdeş M., Ofițeru I.D., Lavric V. *Dynamics of Escherichia Coli Population Expressing Heterologous Proteins*, University Politehnica of Bucharest Scientific Bulletin, 1, p. 87-94, **2015**.
23. Stroescu, M., Stoica-Guzun, A., **Isopencu, G.**, Jinga, S. I., Parvulescu, O., Dobre, T., Vasilescu, M., *Chitosan-vanillin composites with antimicrobial properties*, Food Hydrocolloids, 48, p. 62-71 **2015**
24. Juncu, G., Stoica-Guzun, A., Stroescu, M., **Isopencu G.**, Jinga, S.I., *Drug release kinetics from carboxymethylcellulose-bacterial cellulose composite films*, International Journal Of Pharmaceutics, 510(2) p. 485-492, **2016**
25. **Isopencu, G.**, Marfa, M., Jipa, I., Stroescu, M., Stoica-Guzun, A., Chira, N., Popescu, M., *Optimisation of the Oil Extraction from Nigella Sativa Seeds Using Response Surface Methodology*, Revista de Chimie, 68, nr. 2, p. 331-336, **2017**
26. **Isopencu, G.**, Mares, A. M., Jinescu, G., *Energy and Exergy Studies for Different Intensifying Processes of Malt Drying*, Revista de Chimie, 68, nr.6, p. 1274-1280, **2017**

In alte reviste

Stoica-Guzun, A., Stroescu, M., **Isopencu, G.**, Jinga, S. I., Dobre, T., *Superabsorbent Materials For Agricultural Uses Starting From Bacterial Cellulose*, Bulletin Of Romanian Chemical Society; 1 nr. 2, p: 96-103, **2014**