

Lista de lucrări a candidatului

A. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii

1. **MUNTIANU G.**, URSU A.-V., DJELVEH G., ISOPENCU G., MAREȘ 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*, vol. 65, nr. 9, 2014, p. 1077-1085, ISSN 0034-7752, factor de impact (2014): 0,810.
2. **MUNTIANU G.**, URSU A.-V., JINESCU C., DJELVEH G., NISTOR I.D., JINESCU G., Intensification of ammonia adsorption kinetics using Al-pillared clay particles in a co-axial magnetic fluidized bed, *Revista de chimie*, vol. 66, nr. 3, 2015, p. 295-298, ISSN 0034-7752, factor de impact (2015): 0,956.
3. **MUNTIANU G.**, PLATON N., MARDARU A., NISTOR I.D., MIRON N.D., JINESCU G., Use of modified clays obtained by pillaring in gas purification, *University Politehnica of Bucharest Scientific Bulletin Series B – Chemistry and Materials Science*, vol. 77, nr. 3, 2015, p. 151-164, ISSN (print): 1454-2331 / (online): 2286-3680, factor de impact (2015): 0.
4. **MUNTIANU G.**, SIMION A.-I., GRIGORAȘ C.-G., PLATON N., NISTOR I.-D., JINESCU G., Aluminum pillared bentonite – characterization and synthesis optimization by response surface methodology, *Studia UBB Chemia*, LXVI, 1, 2021, p. 73-88, DOI:10.24193/subbchem.2021.1.06, ISSN 1224-7154 printed edition, ISSN 2065-9520 online edition, ISSN-L: 1224-7154, factor de impact (2019): 0,494.
5. **MUNTIANU G.**, NISTOR I.-D., MIRILA D.-C., GEORGESCU A.-M., ARUS V.-A., PLATON N., JINESCU C., Electromagnetic field application in fluidization of metallic particles, *Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 2024, 25 (4), pp. 439-454, ISSN 1582-540X, factor de impact (2023): 0,3.
6. ARUȘ V.-A., GEORGESCU A.-M., PLATON N., ROȘU, A.-M., **MUNTIANU G.**, TEUȘDEA A. C., VARTOLOMEI N., NISTOR I.-D., Preliminary studies concerning the influence of buckwheat flour on the quality of white wheat bread, *Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 2024, 25 (2), pp. 157 – 167, ISSN 1582-540X, factor de impact (2023): 0,3.
7. **MUNTIANU G.**, PLATON N., ARUS V. A., ROSU A. M., NISTOR D. I., JINESCU G., Hydrodynamic study of clay particles in fluidized bed, *Journal of Engineering Studies and Research*, vol. 19, nr. 2, 2013, p. 70-75, ISSN 2068-7559, **10 baze de date**: Index Copernicus, **ERIH PLUS**, Google Academic, Publons, etc. The journal is also formally recognized by the Romanian Ministry of National Education, through its National University Research Council (CNCS).
8. **MUNTIANU G.**, PLATON N., JINESCU G., SIMINICEANU I., MARDARU A., ZAVADA R.M., MIRON D.N., NISTOR I.D., Preparation and characterization of nanostructured materials used for the retention of gaseous pollutants, *Annals of “Dunarea de Jos” University of Galati, Fascicle II, Anul III (XXXIV)*, 2011, p. 115-122, ISSN 2067-2071, Seria B⁺, **2 baze de date**: Cambridge Scientific Abstracts (CSA), EBSCO.
9. **MUNTIANU G.**, ROȘU A.M., *Chimia pe înțelesul tuturor, Experimente. Aplicații*, Editura Pim, Iași, 2023, ISBN 978-606-13-7528-8.
10. NISTOR I.D. (coord.), **MUNTIANU G.**, *Biotehnologii de valorificare a subproduselor în industrii ecologice. Note de curs*, Editura Alma Mater, Bacău, 2016, ISBN 978-606-527-539-3.

B. Teza de doctorat

Ing. **MUNTIANU G.**, conducător științific Prof. Emerit dr. ing. **JINESCU G.**, Cercetări privind utilizarea nanomaterialelor pe bază de argilă în depoluarea intensivă a gazelor, Universitatea Politehnica din București, Facultatea de Chimie Aplicată și Știința Materialelor, Departamentul de Inginerie Chimică și Biochimică, susținere publică 26.09.2014 și titlul de doctor în domeniul Inginerie Chimică, nr. 3181/06.02.2015.

C. Cărți și capitole în cărți

1. **MUNTIANU G.**, ROȘU A.M., Chimie aplicată, Editura Pim, Iași, 2023, ISBN 978-606-13-7735-0.
2. **MUNTIANU G.**, **JINESCU G.**, Dinamica particulelor în strat fluidizat și strat fluidizat stabilizat magnetic, Editura Alma Mater, Bacău, 2020, ISBN 978-606-527-647-5.
3. **GROSU L.**, **MUNTIANU G.**, **PATRICIU O.I.**, ROȘU A.M., Curs remedial pentru studenți. Partea a II-a, Editura Docucenter, Bacău, 2019, ISBN 978-606-721-281-5, ISBN 978-606-721-350-8.
4. **GEORGESCU A.M.**, **MUNTIANU G.**, **PATRICIU O.I.**, TÂMPU R.I., Curs remedial pentru studenți. Partea I, Editura Docucenter, Bacău, 2018, ISBN 978-606-721-281-5, ISBN 978-606-721-280-8.
5. **MUNTIANU G.**, Principii și metode de conservare a produselor alimentare. Caiet de lucrări practice, Editura Alma Mater, Bacău, 2018, ISBN 978-606-527-609-3.
6. **MUNTIANU G.**, **PLATON N.**, Principiile nutriției umane. Îndrumar de laborator și seminar, Editura Alma Mater, Bacău, 2017, ISBN 978-606-527-559-1.
7. **NISTOR I.D.** (coord.), **MUNTIANU G.**, Metode moderne de control în ingineria proceselor ecologice. Note de curs, Editura Alma Mater, Bacău, 2016, ISBN 978-606-527-540-9.

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

1. **MUNTIANU G.**, **NISTOR I.-D.**, **GEORGESCU A.-M.**, **ROȘU A.-M.**, **MIRILĂ D.-C.**, **MARES A.-M.**, **JINESCU C.**, Dynamic study behavior of fluidized binary mixture bed with bentonite particles, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2025, 26 (1), ISSN 1582-540X, factor de impact (2023): 0,3 – acceptat pentru publicare.
2. **SIMION A.I.**, **GRIGORAȘ C.G.**, **FAVIER L.**, **MUNTIANU G.**, **GAVRILĂ L.**, Application of response surface methodology to optimize some fermentation and formulation conditions of wheat dough fortified with malt culms flour, The Annals of the University Dunarea de Jos of Galati, Fascicle VI – Food Technology 43(2), 2019, p. 84-99, ISSN 1843-5157, e-ISSN 2068-259X, factor de impact (2018): 0,180.
3. **GRIGORAS C.G.**, **MUNTIANU G.**, **GAVRILA L.**, Mathematical modelling of CaCl₂ aqueous solutions thermophysical properties, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology, Food Industry, vol. 17, nr. 4, 2016, p. 417-426, ISSN 1582-540X, factor de impact (2016): 0.
4. **ARUS V.A.**, **NISTOR I.D.**, **PLATON N.**, **ROȘU A.M.**, **MUNTIANU G.**, **JINESCU C.**, Statistical modelling and optimization of lactic acid fermentation in the presence of anionic clay and ultrasonic field, Revista de Chimie, vol. 66, nr. 1, 2015, p. 88-91, ISSN 0034-7752, factor de impact (2015): 0,956.

5. 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*, vol. 62, nr. 8, 2011, p. 799-805, ISSN 0034-7752, factor de impact (2011): 0,599.
6. PLATON N., SIMINICEANU I., NISTOR I.D., MIRON N.D., **MUNTIANU G.**, MARES A.M., Fe - pillared clay as an efficient Fenton-like heterogeneous catalyst for phenol degradation, *Revista de Chimie*, vol. 62, nr. 6, 2011, p. 676-679, ISSN 0034-7752, factor de impact (2011): 0,599.
7. GEORGESCU A.-M., **MUNTIANU G.**, NISTOR I.D., NARDOU F., Modeling and optimization of Al-pillaring process using experimental design procedure, *Journal of Agroalimentary Processes and Technologies*, vol. 23, nr. 4, 2017, p. 212-216, ISSN (print): 2069-0053 / (online): 2068-9551, **7 baze de date**: IFIS – International Food Information Service; CAS – Chemical Abstracts Service (CAS ref; 163659); Food Science Central from the publishers of FSTA - Food Science and Technology Abstracts; CABI - Publishing Website Serials Cited Submission; European Virtual Institute for Speciation Analysis (EVISA); Science and Engineering Journal Abbreviations; Index Copernicus.
8. **MUNTIANU G.**, A.M. GEORGESCU, I.D. NISTOR, G. JINESCU, Ammonia adsorption kinetics on clay particles in fluidized bed, *Bulletin of Romanian Chemical Engineering Society*, vol. 3, nr. 2, 2016, p. 2-11, ISSN 2360-4697, **3 baze de date**: EBSCO; Proquest; Index Copernicus.
9. ROSU A.-M., **MUNTIANU G.**, MIRON N. D. NISTOR I.D., BRABIE G., Determination of microbiological medium quality through a mathematical model concerning the prevention of biocorrosion, *Journal of Engineering Studies and Research*, vol. 19, nr. 4, 2013, p. 1-6, ISSN 2068-7559, **10 baze de date**: Index Copernicus, **ERIH PLUS**, Google Academic, Publons, etc. The journal is also formally recognized by the Romanian Ministry of National Education, through its National University Research Council (CNCS).
10. MARDARU A., DJELVEH G., ISOPENCU G., JINESCU C., MARES A.M., **GHIMICIU G.**, Characterizing foams flow obtained by continuous foaming operation, *U.P.B. Sci. Bull.*, vol. 73, nr. 3, 2011, p. 117-132, ISSN (print): 1454-2331 / (online): 2286-3680, Seria B, **12 baze de date**: ISI Thomson Reuters, Ulrichs International Periodicals Directory, Inspec, **SCOPUS**, Cambridge Scientific Abstracts, Chemical Abstracts Service - Division of American Chemical Society, Elsevier Sciences Bibliographic Databases, Metals Abstracts, Engineering Village, Publication in Engineering, Metadex, Compendex.
11. URSU A.V., JINESCU G., NISTOR I.D., GEORGESCU A.M., **MUNTIANU (GHIMICIU) G.**, SILION M., Influence of the synthesis parameters on some properties of romanian acid activated bentonite, *Journal of Engineering Studies and Research*, vol. 16, nr. 3, 2010, p. 80-85, ISSN 2068-7559, Seria B⁺, **10 baze de date**: Index Copernicus, **ERIH PLUS**, Google Academic, Publons, etc. The journal is also formally recognized by the Romanian Ministry of National Education, through its National University Research Council (CNCS).

Data,

23.12.2024

Semnătura,

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