

Cristina-Gabriela GRIGORAȘ

Data nașterii: 29.07.1983 Cetățenie: Română Gen: Feminin

E-mail: cristina.grigoras@ub.ro; cristina_grigoras_01@yahoo.com

Adresă (Serviciu): Calea Mărășești, Nr. 157, 600115 Bacău, România

LISTĂ DE LUCRĂRI

TEZĂ DE DOCTORAT

Valorisation des fruits et des sous-produits de l'industrie de transformation des fruits par extraction des composés bioactifs

Teză în cotutelă internațională Université d'Orléans (Franța); Universitatea „Vasile Alecsandri” din Bacău (România)

CĂRȚI ȘI CAPITOLE DE CĂRȚI

1. **Grigoraș C.-G.:** *Valorificarea fructelor și subproduselor din industria de prelucrare a fructelor prin extracție de compuși bioactivi* (ISBN 978-606-527-735-9). Editura „Alma Mater”, Bacău, **2025**
2. **Grigoraș C.-G.,** Simion A.I. (Coord.): *Fenomene de transfer și operații unitare. Unități de măsură, bilanț de materiale, bilanț termic* (ISBN 978-606-527-733-5). Editura „Alma Mater”, Bacău, **2025**
3. Simion A.I., **Grigoraș C.-G. (Coord.):** *Fenomene de transfer și operații unitare. Îndrumar de laborator. Ediția a II-a (revizuită și adăugită)* (ISBN 978-606-527-734-2), Editura „Alma Mater”, Bacău, **2025**
4. Rusu L., **Grigoraș C.-G.,** Suceveanu E.M., Simion A.I., Dediu Botezatu A.V., Istrate B., Doroftei I.: *Eco-friendly biosorbents based on microbial biomass and natural polymers: Synthesis, characterization and application for the removal of drugs and dyes from aqueous solutions* În *Materials. Advanced Materials for Multifunctional Applications* (Editori Munteanu C., Doroftei I.), 14, 307-321, **2024**
5. **Grigoraș C.-G.,** Simion A.I., Gavrilă L. (Coord.): *Depoluarea efluenților din industria alimentară și biotehnologii. Îndrumar de laborator* (ISBN 978-606-527-457-0). Editura „Alma Mater”, Bacău, **2015**
6. Simion A.I., **Grigoraș C.-G.,** Gavrilă L. (Coord.): *Fenomene de transfer și operații unitare. Îndrumar de laborator* (ISBN 978-606-527-45897-7). Editura Alma Mater, Bacău, **2015**
7. Simion A.I., **Grigoraș C.-G.:** *Tehnici de fabricare a produselor ecologice. Îndrumar de laborator* (ISBN 978-606-527-339-9). Editura Alma Mater, Bacău, **2014**

ARTICOLE PUBLICATE ÎN REVISTE COTATE ISI

1. Simion A.I., **Grigoraș C.-G.***, Favier L.: *Batch adsorption of Orange II dye on a new green hydrogel—Study on working parameters and process enhancement*
Gels (ISSN 2310-2861; IF₂₀₂₄ 5,3), **2025**, 11(1), 79
WOS: 001403817800001, DOI: 10.3390/gels11010079
2. **Grigoraș C.-G.***, Simion A.I.: *Synthesis of a new composite material derived from cherry stones and sodium alginate—Application to the adsorption of methylene blue from aqueous solution: Process parameter optimization, kinetic study, equilibrium isotherms, and reusability*
Journal of Composites Science (ISSN 2504-477X; IF₂₀₂₄ 3,7), **2024**, 8, 42
WOS: 001342945600001, DOI: 10.3390/jcs8100402
3. **Grigoraș C.-G.***, Simion A.I., Drob C.: *Hydrogels based on chitosan and nanoparticles and their suitability for dyes adsorption from aqueous media: Assessment of the last-decade progresses*
Gels (ISSN 2310-2861; IF₂₀₂₄ 5,3), **2024**, 10(3), 211
WOS: 001191754700001, DOI: 10.3390/gels10030211
4. **Grigoraș C.-G.***, Simion A.I., Favier L.: *Exploration of Reactive Black 5 dye desorption from composite hydrogel beads—Adsorbent reusability, kinetic and equilibrium isotherms*
Gels (ISSN 2310-2861; IF₂₀₂₄ 5,3), **2023**, 9(4), 299
WOS: 000977481900001, DOI: 10.3390/gels9040299
5. **Grigoraș C.-G.***, Simion A.I., Favier L., Drob C., Gavrilă L.: *Performance of dye removal from single and binary component systems by adsorption on composite hydrogel beads derived from fruits wastes entrapped in natural polymeric matrix*, Gels (ISSN 2310-2861, IF₂₀₂₄ 5,3), **2022**, 8(12), 795
WOS: 000901031500001, DOI: 10.3390/gels8120795
6. Rusu L., **Grigoraș C.-G.***, Simion A.I., Suceveanu E.M., Schnakovszky C., Favier L.: *Investigation into biosorption of pharmaceuticals from aqueous solutions by biocomposite material based on microbial biomass and natural polymer: process variables optimization and kinetic studies*
Polymers (ISSN 2073-4360; IF₂₀₂₄ 4,9), **2022**, 14(16), 3388
WOS: 000845803200001, DOI: 10.3390/polym14163388
7. Rusu L., **Grigoraș C.-G.***, Simion A.I., Suceveanu E.M., Istrate B., Harja M.: *Biosorption potential of microbial and residual biomass of Saccharomyces pastorianus immobilized in calcium alginate matrix for pharmaceuticals removal from aqueous solutions*
Polymers (ISSN 2073-4360; IF₂₀₂₄ 4,9), **2022**, 14(14), 2855
WOS: 000832305000001, DOI: 10.3390/polym14142855
8. Rusu L., **Grigoraș C.-G.***, Simion A.I., Suceveanu E.M., Dediu Botezatu A.V., Harja M.: *Biosorptive removal of ethacridine lactate from aqueous solutions by Saccharomyces pastorianus residual biomass/calcium alginate composite beads: fixed-bed column study*
Materials (ISSN 1996-1944; IF₂₀₂₄ 3,2), **2022**, 15(13), 4657
WOS: 000824208600001, DOI: 10.3390/ma15134657

-
9. Rusu L., **Grigoraş C.-G.***, Simion A.I., Suceveanu E.M., Blaga A.C., Harja M.: *Encapsulation of Saccharomyces pastorianus residual biomass in calcium alginate matrix with insights in Ethacridine lactate biosorption*
Polymers (ISSN 2073-4360; IF₂₀₂₄ 4,9), **2022**, 14(1), 170
WOS: 000824208600001, DOI: 10.3390/ma15134657
 10. Rusu L., **Grigoraş C.-G.***, Suceveanu E.M., Simion A.I., Dediu Botezatu A.V., Istrate B., Doroftei I.: *Eco-friendly biosorbents based on microbial biomass and natural polymers: Synthesis, characterization and application for the removal of drugs and dyes from aqueous solutions*
Materials (ISSN 1996-1944; IF₂₀₂₄ 3,2), **2021**, 14, 4810
WOS: 000694414700001, DOI: 10.3390/ma14174810
 11. Rusu L., **Grigoraş C.-G.***, Simion A.I., Suceveanu E.M., Şuteu D., Harja M.: *Application of Saccharomyces cerevisiae/calcium alginate composite beads for cephalixin antibiotic biosorption from aqueous solutions*
Materials (ISSN 1996-1944; IF₂₀₂₄ 3,2), **2021**, 14, 4728
WOS: 000689581500001, DOI: 10.3390/ma14164728
 12. Muntianu G., Simion A.-I., **Grigoraş C.-G.**, Platon N., Nistor I.-D., Jinescu G.: *Aluminum pillared bentonite – Characterization and synthesis optimization by Response Surface Methodology*
Studia UBB Chemia (ISSN 1224-7154; IF₂₀₂₄ 0,5), **2021**, LXVI, 1, 73-88
WOS: 000637282000007, DOI: 10.24193/subbchem.2021.1.06
 13. **Grigoraş C.-G.**, Simion A.I., Favier L., Gavrilă L.: *Congo Red removal from aqueous effluents by adsorption on cherry stones activated carbon*
Environmental Engineering and Management Journal (ISSN 1582-9596; IF₂₀₂₄ 0,9), **2020**, 19(2), 247- 254.
WOS: 000531733600007.
 14. Simion A.I., **Grigoraş 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*
Annals of the University Dunarea de Jos of Galati. Fascicle VI – Food Technology (ISSN 1843-5157; IF₂₀₂₄ 0,7), **2019**, 43(2), 84-99.
WOS: 000509770600006, DOI: 10.35219/foodtechnology.2019.2.06
 15. Simion A.I., **Grigoraş C.-G.***, Favier L., Gavrilă L.: *Mathematical modelling and prediction of Congo Red adsorption on cherry stones activated carbon*
Studia UBB Chemia (ISSN 1224-7154, IF₂₀₂₄ 0,5), **2019**, LXIV, 2, Tom I, 139-157
WOS: 000477816000013, DOI: 10.24193/subbchem.2019.2.12
 16. Simion A.I., **Grigoraş C.-G.**, Chiriac C., Tâmpu C.N., Gavrilă L.: *Mathematical modelling for phenolation of spent sulfite liquor*
Environmental Engineering and Management Journal (ISSN 1582-9596; IF₂₀₂₄ 0,9), **2018**, 17 (4), 771-781
WOS: 000431134900003
-

-
17. Simion A.I., **Grigoraş C.-G.***, Favier L., Moroi A.M., Kadmi Y.F., Bahrim G.E.: *Successful fodder yeast production from agro-industrial by products through a statistical optimization approach*
Romanian Biotechnological Letters (ISSN 1224-5984; IF₂₀₁₉ 0,765), **2017**, 22(3), 12671-12679
WOS:000404459100019
 18. Roşu A.M., **Grigoraş C.-G.**, Rafin C., Veignie E.: *A green chemical approach of corn starch modification for innovative solutions in adsorption of PAHs from soil*
Scientific Study & Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN 1582-540X; IF₂₀₂₄ 0,7), **2017**, 18 (1), 097-100
WOS: 000396720500010
 19. Simion A.I., Manea L., **Grigoraş C.-G.***, Favier L., Matei E., Gavrilă L.: *Improving the nutritional quality of fodder yeasts by adding minerals*
Environmental Engineering and Management Journal (ISSN 1582-9596; IF₂₀₂₄ 0,9), **2016**, 15 (5), 1009-1017
WOS: 000381274100009
 20. Favier L., Simion A.I., Matei E., Rusu L., **Grigoraş C.-G.**: *Photocatalytic oxidation of a hazardous phenolic compound over TiO₂ in a batch system*. Environmental Engineering and Management Journal (ISSN 1582-9596; IF₂₀₂₄ 0,9), **2016**, 15 (5), 1059-1067
WOS: 000381274100015, DOI: 10.30638/eemj.2016.117
 21. Temea (Moroi) A.M., Pircu (Vartolomei) N., Simion A.I., **Grigoraş C.-G.**, Ungureanu (Cărbune) R.E., Alexe P.: *Improvement of flour and dough rheological properties by maturation process*
Romanian Biotechnological Letters (ISSN 1224-5984; IF₂₀₁₉ 0,765), **2016**, 21 (2), 11381-11392
WOS: 000378173400015
 22. **Grigoraş C.-G.**, Muntianu G., Gavrilă L.: *Mathematical modelling of CaCl₂ aqueous solutions thermophysical properties*
Scientific Study & Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN 1582-540X; IF₂₀₂₄ 0,7), **2016**, 17 (4), 417-426
WOS:000391283400009
 23. Favier L., Simion A.I., Rusu L., Pacala M.L., **Grigoraş C.-G.**, Bouzaza A.: *Removal of an organic refractory compound by photocatalysis in batch reactor – A kinetic study*
Environmental Engineering and Management Journal (ISSN 1582-9596; IF₂₀₂₄ 0,9), **2015**, 14 (6), 1327-1338
WOS: 000360500200011, DOI: 10.30638/eemj.2015.144
 24. Simion A.I., Ioniţă I., **Grigoraş C.-G.**, Favier-Teodorescu L.G., Gavrilă L.: *Development and optimization of water based paint formula in order to reduce VOCs emissions*
Environmental Engineering and Management Journal (ISSN 1582-9596, IF₂₀₂₄ 0,9), **2015**, 14 (2), 277-288
WOS: 000351604300003
-

-
25. Simion A.I., **Grigoraş C.-G.***, Moroi A., Vartolomei N.: *Mathematical modelling of pasta dough dynamic viscosity, thermal conductivity and diffusivity*
Annals of the University Dunarea de Jos of Galati. Fascicle VI – Food Technology (ISSN 1843-5157; IF₂₀₂₄ 0,7), **2015**, 39(1), 81-92
WOS: 000370658100007
26. Manea L., Simion A.I., **Grigoraş C.-G.**, Favier-Teodorescu L.: *New viable wastes mix for fodder yeasts production*
Environmental Engineering and Management Journal (ISSN 1582-9596; IF₂₀₂₄ 0,9), **2014**, 13 (7), 1611-1621
WOS: 000344577400009
27. Dobrovici P.E., Simion A.I., **Grigoraş C.-G.**, Ciobanu D.: *Fodder yeast development optimisation using as main carbon source barley husks hydrolysed* Romanian Biotechnological Letters (ISSN 1224-5984; IF₂₀₁₉ 0,765), **2014**, 19 (1), 9085-9095
WOS: 000332382200020
28. **Grigoraş C.-G.**, Destandau E., Fougère L., Elfakir C.: *Evaluation of apple pomace extracts as a source of bioactive compounds*
Industrial Crops and Products (ISSN 0926-6690; IF₂₀₂₄ 6,2), **2013**, 49, 794-804
WOS:000324566600106, DOI: 10.1016/j.indcrop.2013.06.026
29. Dobrovici P.E., Simion A.I., **Grigoraş C.-G.**, Favier-Teodorescu L.G.: *Optimization of barley husks acid hydrolysis process using Response Surface Methodology*
Revue Roumaine de Chimie (ISSN 0035-3930; IF₂₀₂₄ 0,6), **2013**, 58 (6), 517-525
WOS: 000332812100007
30. Lesellier E., Destandau E., **Grigoraş C.-G.**, Fougère L., Elfakir C.: *Fast separation of triterpenoids by supercritical fluid chromatography/evaporative light scattering detector*
Journal of Chromatography A (ISSN 0021-9673; IF₂₀₂₄ 4), **2012**, 1268, 157-165
WOS: 000312177300019, DOI: 10.1016/j.chroma.2012.09.102
31. Grosu L., Fernandez B., **Grigoraş C.-G.**, Patriciu O.I., Grig-Alexa I.C., Nicuță D., Ciobanu D., Nedeff V., Gavrilă L., Fînaru A.L.: *Valorization of whey from dairy industry for agricultural use as fertiliser: effects on plant germination and growth*
Environmental Engineering and Management Journal (ISSN 1582-9596; IF₂₀₂₄ 0,9), **2012**, 11 (12), 2203-2210
WOS: 000314169000011, DOI10.30638/eemj.2012.273
32. Simion A.I., **Grigoraş C.-G.**, Rusu L., Gavrilă L.: *Modelling of the thermophysical properties of liquids involved in food processing*
Environmental Engineering and Management Journal (ISSN 1582-9596; IF₂₀₂₄ 0,9), **2012**, 11 (11), 2035-2045
WOS: 000311559600020
33. **Grigoraş C.-G.**, Destandau E., Zubrzycki S., Elfakir C.: *Sweet cherries anthocyanins. An environmental friendly extraction and purification method*
Separation and Purification Technology (ISSN 1383-5866; IF₂₀₂₄ 9), **2012**, 100, 51-58
WOS: 000311022100007, DOI: 10.1016/j.seppur.2012.08.032
-

34. Simion A.I., **Grigoraș C.-G.**, Rusu L., Gavrilă L.: *Modeling of thermo-physical properties of grapes juice II. Boiling point and density*
 Scientific Study & Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry, **2009**, X (4), 365-374
 WOS: 000217219400009
35. **Grigoraș C.-G.**, Gavrilă L.: *Influence of the technological parameters on the drying velocity of crumbled fruits*
 Scientific Study & Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (1582-540X), **2008**, IX (1), 113-120.
 WOS: 000217208700014

PROCEEDING COTATE ISI

1. **Grigoraș C.-G.**, Simion A.I., Favier L., Gavrilă L.: *Effective removal of Biebrich Scarlet dye from aqueous solutions by adsorption on cherry stones powder coated with chitosan*
 The 9th IEE International Conference on E-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 18-19 noiembrie **2021**, Iași, România
 WOS: 000802227900071, DOI: 10.1109/EHB52898.2021.9657610
2. Simion A.I., **Grigoraș C.-G.***, Favier L., Gavrilă L.: *Investigation of kinetics models and equilibrium isotherms for Congo Red dye adsorption on activated carbon prepared from fruits industry wastes*
 The 7th IEEE International Conference on E-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 21-23 noiembrie **2019**, Iași, România
 WOS: 000558648300094, DOI: 10.1109/EHB47216.2019.8969962
3. Hemidouche S., Assoumani A., Favier L., Simion A.I., **Grigoraș C.-G.**, Wolbert D., Gavrilă, L.: *Removal of some Endocrine disruptors via adsorption on activated carbon*
 The 6th IEEE International Conference on E-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 19-21 iunie **2017**, Sinaia, România
 WOS: 000445457500103, DOI: 10.1109/EHB.2017.7995448
4. Simion A.I., **Grigoraș C.-G.**, Gavrilă L.: *Modeling thermodynamic properties of glycerol involved in cosmetic and pharmaceutical industries. Boiling point, heat capacity and thermal conductivity*
 The 5th IEEE International Conference on E-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 19-21 noiembrie **2015**, Iași, România
 WOS: 000380397900019, DOI: 10.1109/EHB.2015.7391366

ARTICOLE PUBLICATE ÎN REVISTE INDEXATE BDI

1. **Grigoraș C. -G.**, Simion A.I., Favier L., Gavrilă L.: *Evaluation of three operational parameters in adsorption process of organic dyes*
 The 10th International Conference on e-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 17-19 noiembrie **2022**, Iași, România
 DOI: 10.1109/EHB55594.2022.9991402

2. **Grigoraş C.-G.**, Simion A.I., Gavrilă L.: *Synthetic dyes adsorption from aqueous solutions. Overview on process improvement by ultrasound assistance*
Bulletin of Romanian Chemical Engineering Society (ISSN 2360-4697), **2022**, 9 (1), 76-93.
3. Blaga A.C., Horciu I.L., Zaharia C., Rusu L., **Grigoraş C.-G.**, Şuteu D.: *Biosorbents based on microorganisms*. Buletinul Institutului Politehnic din Iaşi, Secţia Chimie şi Inginerie Chimică (ISSN 2537-2947), **2020**, Vol. 66 (70), 39-53.
4. Gavrilă L., Simion A.I., **Grigoraş C.-G.***, Favier L.: *An eco-friendly solution for the efficient elimination of pentoxifylline from water: An operational performance investigation*
Revista de Chimie (ISSN 0034-7752), **2020**, 71 (7), 59-69
5. Assoumani A., Favier L., Simion A.I., **Grigoraş C.-G.**, Kadmi Y., Wolbert D.: *On the use of low cost adsorbents for the removal of endocrine disruptors from water : A case study with bisphenol A*
Annals of the Academy of Romanian Scientists Series on Chemistry (ISSN 2393-2902), **2015**, 2(1), 47-67
6. Simion A.I., **Grigoraş C.-G.**, Roşu A.M., Gavrilă L.: *Mathematical modelling of density and viscosity of NaCl aqueous solutions*
Journal of Agroalimentary Processing and Technologies (ISSN 2069-0053), **2015**, 21(1), 41-52
7. Simion A.I., **Grigoraş C.-G.**, Gavrilă L.: *Mathematical modeling of glycerol aqueous solutions thermophysical properties. Case study of density and viscosity*
Journal of Agroalimentary Processing and Technologies (ISSN 2069-0053), **2015**, 21(2), 125-135
8. Simion A.I., **Grigoraş C.-G.**: *New possibilities of fodder yeast production*
Scientific Study & Research – Biology (ISSN 1224-919X), **2014**, 23 (1), 71-78
9. Simion A.I., **Grigoraş C.-G.**, Gavrilă L.: *Modelling of the thermophysical citric acid aqueous solutions. Density and viscosity*
Annals. Food Science and Technology (ISSN 2065-2828), **2014**, 15 (1), 193-202
10. Simion A.I., **Grigoraş C.-G.**, Gavrilă L.: *Mathematical modelling of ten vegetable oils thermophysical properties. Study of density and viscosity*
Annals. Food Science and Technology (ISSN 2065-2828), **2014**, 15 (2), 371-386
11. **Grigoraş C.-G.**, Destandau E., Lazăr G., Elfakir C.: *Bioactive compounds extraction from pomace of four apple varieties*
Journal of Engineering Studies and Research (ISSN 2068-7559), **2012**, 18 (1), 96-103
12. Simion A.I., **Grigoraş C.-G.**, Bardaşu L.E., Dabija A.: *Modelling of the thermophysical lactic acid aqueous solutions. Density and viscosity*
Food and Environment Safety – Journal of Faculty of Food Engineering, Ştefan cel Mare University – Suceava (ISSN 2068-6609), **2012**, XI (4), 49-58

13. Simion A.I., Dobrovici P.E., **Grigoraș C.-G.**, Rusu L.: *Modeling of the thermo-physical properties of aqueous sucrose solutions. I. Density and dynamic and kinematic viscosity* Annals. Food Science and Technology (ISSN 2065-2828), **2011**, 12 (2), 225-232
14. Simion A.I., **Grigoraș C.-G.**, Rusu L., Dabija A.: *Modeling of the thermo-physical properties of aqueous sucrose solutions. II. Boiling point, specific heat capacity and thermal conductivity* Food and Environment Safety – Journal of Faculty of Food Engineering, Ștefan cel Mare University – Suceava (ISSN 2068-6609), **2011**, X (4), 49-56
15. **Grigoraș C.-G.**, Simion A.I., Rusu L., Gavrilă L.: *Mathematical modeling of moisture loss during apple cubes dehydration* Annals. Food Science and Technology (ISSN 2065-2828), **2011**, 12 (2), 216-220
16. **Grigoraș C.-G.**, Destandau E., Lazăr, G., Elfakir C.: *Apple by-products as a source of bioactive compounds* Molécules et Ingrédients Santé, **2011**, 3-13
17. **Grigoraș C.-G.**, Gavrilă L.: *Sour cherries hot air dehydration* Annals. Food Science and Technology (ISSN 2065-2828), **2009**, 10 (1), 34-38

COMUNICĂRI ORALE

1. Rusu L., **Grigoraș C.-G.**, Suceveanu E.M., Simion A.-I., Șuteu D.: *Biosorptive potential of new types of biosorbents based on microorganism and residual biomass.* International Conference „Intelligent Valorisation of Agro-Industrial Wastes” 7-8 Octombrie **2021**, Chișinău, Republica Moldova
2. Rusu L., Suceveanu E.M., **Grigoraș C.-G.**, Simion A.-I., Dediu Botezatu A.V.: *Removal of ethacridine lactate from aqueous solutions using biosorbents based on residual microbial biomass: fixed-bed column studies* Symposium „Ecology and Protection of Ecosystems” The XIIIth edition, 4-5 noiembrie **2021**, Bacău, România
3. Rusu L., **Grigoraș C.-G.**, Suceveanu E.M., Simion A.-I., Istrate B.: *Synthesis of biosorbents based on Saccharomyces pastorianus residual biomass by immobilization and encapsulation. Comparative evaluation of pharmaceuticals biosorption* The International Conference „Biotechnologies - Present and Perspectives” 8th edition, 5 noiembrie **2021**, Suceava, România
4. Destandau E., Michel T., **Grigoraș C.-G.**, Elfakir C.: *Solvent free microwave assisted extraction of fresh fruits for recovery of bioactive compounds* International Congress on Green Extraction of Natural Products – GENP, 16-17 aprilie **2013**, Avignon, Franța

5. Manea L., Simion A.I., **Grigoraș C.-G.**, Favier-Teodorescu L.G.: *Industrial wastes combination for fodder yeasts production*
Constructive and Technological Design Optimization in the Machines Building Field – OPROTEH 2013, 23-25 mai **2013**, Bacău, România
6. Chiriac A., Simion A.I., **Grigoraș C.-G.**, Gavrilă L.: *Composting wood wastes from furniture industry with addition of whey as composition modifier*
Constructive and Technological Design Optimization in the Machines Building Field – OPROTEH 2013, 23-25 mai **2013**, Bacău, România
7. **Grigoraș C.-G.**, Destandau E., Elfakir C.: *Valorisation de résidus de pommes: recherche de molécules bioactives*
7^{ème} Colloque Franco-Roumain de Chimie Appliquée – COFrRoCA 2012, 27-29 iunie **2012**, Bacău, România
8. Fougère L., Destandau E., **Grigoraș C.-G.**, Lesellier E., Elfakir C.: *Développements méthodologiques: stratégie et caractérisation de métabolites secondaires dans les résidus de pommes*
JFSM 2012, 29^{èmes} journées françaises de Spectrométrie de Masse, 17-20 septembre **2012**, Orléans, Franța
9. **Grigoraș C.-G.**, Destandau E., Zubrzycki S., Elfakir C.: *Séparation verte de molécules rouges*
AfSep – Club Île de France: Journée de la Chimie Verte, 19 mai **2011**, Paris, Franța
10. **Grigoraș C.-G.**, Destandau E., Lazăr G., Elfakir C.: *Apple by-products as a source of bioactive compounds*
4^{ème} Colloque International « Molécules et Ingrédients Santé », 24-26 mai **2011**, Quimper, Franța
11. **Grigoraș C.-G.**, Destandau E., Lazăr G., Elfakir C.: *Bioactive compounds extraction from pomace of four apple varieties*
Constructive and Technological Design Optimization in the Machines Building Field – OPROTEH 2011, 25-26 mai **2011**, Bacău, România

POSTERE

1. Simion A.I., **Grigoraș C.-G.**, Favier L.: *Adsorption of Reactive Black 5 dye on a new synthesized hydrogel*
Virtual International Scientific Conference on “Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2025 – Summer Edition 25-27 Iunie **2025**, București, România.
2. **Grigoraș C.-G.**, Simion A.I.: *Efficient adsorption of Acid Red 66 dye on a two components hydrogel*
Exploratory Workshop NeXT-Chem: Innovative Cross-Sectorial Technologies, 22-23 Mai **2025**, București, România

3. **Grigoraş C.-G.**, Simion A.I., Favier L.: *Remediation of dyes contaminated water through adsorption on green materials*
20th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 21-23 Mai **2025**, Bacău, România
4. Simion A.I., **Grigoraş C.-G.**, Favier L.: *Mathematical modelling of the dynamic viscosity of ethylene glycol aqueous solutions*
20th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 21-23 Mai **2025**, Bacău, România
5. Avătămăniţei I., Patriciu O.-I., Ifrim I.-L., Grigoraş C.-G., Fînaru A.-L.: *The influence of the extraction conditions on the active components from some by-products of black chokeberry (Aronia melanocarpa)*
20th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 21-23 Mai **2025**, Bacău, România
6. Simion A.I., **Grigoraş C.-G.**, Favier L.: *Thermophysical properties mathematical modelling of ethylene glycol – water binary systems*
19th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 22-24 Mai **2024**, Bacău, România
7. Sescu A.M., Favier L., Lutic D., Hanganu D., Simion A.I., **Grigoraş C.-G.**, Rusu L., Harja M.: *UV-A sensitive mesoporous catalysts toward clofibric acid photo-oxidation: synthesis, characterization and performance evaluation*
19th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 22-24 Mai **2024**, Bacău, România
8. Păcală M.L., Favier L., **Grigoraş C.-G.**, Simion A.I., Brudiu L.: *The significant use of millet to develop nutritional value cereal-based products.*
19th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 22-24 Mai **2024**, Bacău, România
9. Păcală M.L., Favier L., Şipoş A., Simion A.I., **Grigoraş C.-G.**, Brudiu L.: *Exploring bread production with functional ingredients: a case study on brewer's spent grain*
19th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 22-24 Mai **2024**, Bacău, România
10. **Grigoraş C.-G.**, Simion A.I., Favier L.: *Development of a novel two-components material and its application as efficient dyes adsorbent*
International Chemical Engineering and Materials Symposium, SICHEM 2024, 11-12 Aprilie **2024**, POLITEHNICA Bucureşti, România
11. Favier L., **Grigoraş C.-G.**, Harja M., Pacala M.L., Simion A.I.: *Fast photocatalytic elimination and mineralization of an emergent water contaminant using titania₂ nanocatalysts*
3rd International Meeting on New Strategies in Bioremediation/Restoration Processes, 29-30 iunie **2023**, Muttentz, Elveţia

12. **Grigoraş C. -G.**, Simion A.I., Favier L.: *Preparation of an adsorbent material from cherry stones powder and its application in retaining azo dyes from aqueous solutions*
18th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 11-13 Mai **2023**, Bacău, România
13. Muntianu G., Simion A.I., **Grigoraş C.-G.**, Nistor I.D.: *Ammonia adsorption on pillared clay in magnetic field. Mathematical modelling and optimization by Response Surface Methodology*
18th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 11-13 Mai **2023**, Bacău, România
14. Sescu A.M., Favier L., Lutic D., Harja M., Rusu L., Simion A.I., **Grigoraş C.-G.**: *An investigation into synthesis of mixed oxides and their use on water decontamination*
18th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 11-13 Mai **2023**, Bacău, România
15. **Grigoraş C. -G.**, Simion A.I., Favier L., Gavrilă L. : *Evaluation of three operational parameters in adsorption process of organic dyes*
The 10th International Conference on e-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 17-19 noiembrie **2022**, Iaşi, România
16. Rusu L., **Grigoraş C.-G.**, Simion A.-I., Suceveanu E.M., Vial C.: *Application of biocomposite material based on residual microbial biomass and natural polymer for the removal of pharmaceuticals from aqueous solutions in continuous system*
22nd Romanian International Conference on Chemistry and Chemical Engineering, 7-9 septembrie **2022**, Sinaia, România
17. Suceveanu E.M., Rusu L., **Grigoraş C.-G.**, Simion A.-I.: *Eco-friendly biosorbents based on Saccharomyces Pastorianus immobilized in natural polymers: synthesis, characterization and application for the removal of pharmaceuticals from aqueous matrices*
22nd Romanian International Conference on Chemistry and Chemical Engineering, 7-9 septembrie **2022**, Sinaia, România
18. Rusu L., **Grigoraş C.-G.**, Simion A.I., Suceveanu E.M., Vial C.: *Modeling and optimization of pharmaceuticals biosorption from aqueous matrices by Saccharomyces pastorianus residual biomass/calcium alginate composite beads in a batch system*
The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 25-27 Mai **2022**, Bacău, România
19. Simion A.-I., **Grigoraş C.-G.**, Muntianu G., Rusu L., Nistor I.D.: *Possibilities of using natural materials for water depollution*
The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 25-27 Mai **2022**, Bacău, România
20. Siamer S., Boufia S., Sescu A.M., Harja M., Simion A.I., **Grigoraş C.-G.**, Păcală M.L., Favier L.: *Toward the efficient elimination of a toxic organic compound from aqueous suspension under solar light irradiation*
The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 25-27 Mai **2022**, Bacău, România

-
21. **Grigoraş C.-G.**, Simion A.I., Favier L., Gavrilă L.: *Effective removal of Biebrich Scarlet dye from aqueous solutions by adsorption on cherry stones powder coated with chitosan*
The 9th IEE International Conference on E-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 18-19 noiembrie **2021**, Iaşi, România
 22. Rusu L., Şuteu D., **Grigoraş C.-G.**, Vial C., Suceveanu E.M.: *Development of new biosorbents based on microbial biomass immobilized on natural polymers*
The 16th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 25-27 Mai **2021**, Bacău, România
 23. Muntianu G., Simion A.I., **Grigoraş C.-G.**, Nistor I.D.: *Utilization of mathematical modelling and optimization by response surface methodology for aluminum pillaring process*
The 16th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 25-27 Mai **2021**, Bacău, România
 24. Paleu D., Simion A.I., **Grigoraş C.-G.**, Roşu A.M., Nistor I.D.: *Study of the current state of preparation methods for hydrotalcite (anionic clays)*
The 16th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTEH, 25-27 Mai **2021**, Bacău, România
 25. Simion A.I., **Grigoraş C.-G.**, Favier L., Gavrilă L.: *Investigation of kinetics models and equilibrium isotherms for Congo Red dye adsorption on activated carbon prepared from fruits industry wastes*
The 7th IEEE International Conference on E-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 21-23 noiembrie **2019**, Iaşi, Romania
 26. Simion A.I., **Grigoraş C.-G.**, Favier L., Gavrilă L.: *Mathematical modelling of Congo Red adsorption on activated carbon prepared from by-products of fruits processing industry*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 22-24 Mai **2019**, Bacău, România
 27. **Grigoraş C.-G.**, Simion A.I., Favier L., Gavrilă L.: *Dye removal from aqueous effluents by adsorption on activated carbon prepared by stone cherry physical treatment*
4th International Conference on Chemical Engineering ICCE 2018. Innovative materials and processes for a sustainable development, 31 octombrie-02 noiembrie **2018**, Iaşi, România
 28. Simion A.I., **Grigoraş C.-G.**, Favier L., Gavrilă L.: *Diversification de la valorisation des sous-produits de l'industrie du sucre à base de betterave*
Le 10^{ème} Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA 2018), 27-29 Juin **2018**, Bacău, Romania
 29. Simion P.E., **Grigoraş C.-G.**, Favier L., Simion A.I., Drob C.: *Environmental impact assessment of fodder yeast production process from barley husks*
The International Conferences Celebrating Technical Higher Education into „Vasile Alecsandri” University of Bacau, 27-29 Iunie **2018**, Bacău, Romania
-

-
30. Simion A.I., **Grigoraș C.-G.**, Favier L., Roșu A.M., Muntianu G., Gavrilă L.: *Environmental problems overview in sugar-beet by-products conversion in fodder yeast*
Ecology and Protection of Ecosystems – EPE, 2-4 noiembrie **2017**, Bacău, România
 31. Favier L., Simion A.I., Rusu L., **Grigoraș C.-G.**, Kadmi Y., Hlihor R., Wolbert D.: *Efficient degradation of a persistent pharmaceutical compound through an advanced oxidation process via a statistical optimization approach*
9th International Conference on Environmental Engineering and Management, 6-9 septembrie **2017**, Bologna, Italia
 32. Hemidouche S., Assoumani A., Favier L., Simion A.I., **Grigoraș C.-G.**, Wolbert D., Gavrilă L.: *Removal of some Endocrine disruptors via adsorption on activated carbon*
The 6th IEEE International Conference on E-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 19-21 iunie **2017**, Sinaia, România
 33. Simion A.I., **Grigoraș C.-G.**, Chiriac A., Tâmpu N.C., Gavrilă L.: *Mathematical optimization of lignosulphonate waste liquor phenolization*
3rd International Conference on Chemical Engineering, 9-11 noiembrie **2016**, Iași, România
 34. Simion A.I., Favier L., **Grigoraș C.-G.**, Kadmi Y., Gavrilă L.: *Methodologie des surfaces de reponse appliquee pour l'amelioration du pain enrichie en fibres alimentaires*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 2-4 iunie **2016**, Bacău, România
 35. Favier L., Simion A.I., **Grigoraș C.-G.**, Ounnar S., Kaidi F., Wolbert D.: *Application of response surface analysis tot he advanced oxidation of clofibric acid in TiO₂/UV system*
9th European Meeting on Solar Chemistry and photocatalysis, 13-17 iunie **2016**, Strasbourg, Franța
 36. Temea (Moroi) A.M., Pircu (Vartolomei) N., Simion A.I., **Grigoraș C.-G.**, Alexe P.: *The influence of maturation flour on quality bread*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 2-4 iunie **2016**, Bacău, România.
 37. Favier L., Simion A.I., Rusu L., Ounnar A., Kadmi Y., **Grigoraș C.-G.**, Wolbert D.: *Elimination de l'acide clofibrique par photocatalyse heterogene*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 2-4 iunie **2016**, Bacău, România.
 38. Ungureanu (Cărbune) R.E., Pircu (Vartolomei) N., Temea (Moroi) A.M., Simion A.I., **Grigoraș C.-G.**, Alexe P.: *Improvement of wheat bread quality with soy flour addition*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 4-6 iunie **2015**, Bacău, România.
 39. Pircu (Vartolomei) N., Temea (Moroi) A.M., Simion A.I., **Grigoraș C.-G.**, Ungureanu (Cărbune) R.E., Turtoi M.: *Influence of rosehip addition on dough rheology and bread quality*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 4-6 iunie **2015**, Bacău, România
-

-
40. Roșu M.L., Roșu A.M., Simion A.I., **Grigoraș C.-G.**, Brabie G.: *Influence of corrosive medium concerning the quality of metal materials*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 4-6 iunie **2015**, Bacău, România
 41. Roșu A.M., Simion A.I., **Grigoraș C.-G.**, Miron N.D., Rafin C., Veignie E.: *New starch matrices used in the remediation of soil*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 4-6 iunie **2015**, Bacău, România
 42. Temea (Moroi) M.A., Pircu (Vartolomei) N., Simion A.I., **Grigoraș C.-G.**, Ungureanu (Cărbune) R.E., Alexe P.: *Optimized maturation process effects on wheat flourd dough properties*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 4-6 iunie **2015**, Bacău, România
 43. Simion A.I., **Grigoraș C.-G.**, Gavrilă L.: *Phenolization optimization of lignosulphonate waste from pulp and paper industry*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 4-6 iunie **2015**, Bacău, România
 44. Simion A.I., **Grigoraș C.-G.**, Moroi A.M., Vartolomei N., Favier L.: *Optimal fermentation conditions of dough enriched with malt culms flour addition*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 4-6 iunie **2015**, Bacău, România
 45. Chiriac A., **Grigoraș C.-G.**, Roșu A.M., Favier L., Simion A.I.: *Composting diary and industrial furniture wastes as a tool to mitigate waste and reduce their environmental impact*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 4-6 iunie **2015**, Bacău, România
 46. Simion A.I., Favier L., **Grigoraș C.-G.**, Kadmi Y.F., Gavrilă L.: *Development and Response Surface Methodology optimization of wheat dough recipe enriched in dietary fiber by malt culms flour addition*
The 7th International Symposium EuroAliment, **2015**, Galați, România
 47. Favier L., Simion A.I., Matei E., **Grigoraș C.-G.**, Kadmi Y., Bouzaza A.: *Photocatalytic oxidation kinetics of 2,4-dichlorophenol using titanium dioxide in a batch system*
19th Romanian International Conference on Chemistry and Chemical Engineering – RICCE 19, 2-5 septembrie **2015**, Sibiu, România
 48. Simion A.I., Favier L., **Grigoraș C.-G.**, Vial C., Kadmi F.Y., Moroi A.M., Vartolomei N.: *Optimization of wheat white flour dietary fibers enrichment by malt culms flour addition*
3rd European Congress of Applied Biotechnology, 27 septembrie – 1 octombrie **2015**, Nisa, Franța
-

-
49. Favier L., Rusu L., Simion A.I., Kadmi Y., Matei E., Ounnar A., **Grigoraș C.-G.**, Vial C.: *The role of some operating parameters in the removal of an emerging pharmaceutical pollutant by UV irradiation*
10th European Congress of Chemical Engineering, 27 septembrie – 1 octombrie **2015**, Nisa, Franța
50. Simion A.I., **Grigoraș C.-G.**, Gavrilă L.: *Modeling thermodynamic properties of glycerol involved in cosmetic and pharmaceutical industries. Boiling point, heat capacity and thermal conductivity*
The 5th IEEE International Conference on E-Health and Bioengineering – EHB, Grigore T. Popa University of Medicine and Pharmacy, 19-21 noiembrie **2015**, Iași, România
51. Roșu A.M., Simion A.I., **Grigoraș C.-G.**: *L'influence des extraits végétaux sur les indices qualitatifs du savon*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 7-9 mai **2014**, Bacău, România.
52. Simion A.I., **Grigoraș C.-G.**, Roșu A.M., Favier-Teodorescu L.-G.: *Prediction of density and viscosity of secondary refrigerant sodium chloride aqueous solutions*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 7-9 mai **2014**, Bacău, România.
53. Favier-Teodorescu L.-G., **Grigoraș C.-G.**, Rusu L., Simion A.I., Wolbert D.: *Detection of trace endocrine disrupting compounds in water samples: UPLC-ESI-MS/MS versus HPLC-FD*
International Conference of Applied Sciences, Chemistry and Chemical Engineering, 7-9 Mai **2014**, Bacău, România
54. Lăcătușu G., Fâciu E., Macsim-Vasilachi A.M., Golban E., Simion A.I.: *Rainfall influence on quality of groundwater from industrial area of Bacau town*
2nd International Conference on Natural and Anthropic Risks, 4-7 iunie **2014**, Bacău, România
55. Chiriac A., Simion A.I., **Grigoraș C.-G.**, Favier-Teodorescu L.-G., Gavrilă L.G.: *Industrial furniture and diary wastes capitalization for compost production*
2nd International Conference on Natural and Anthropic Risks, 4-7 iunie **2014**, Bacău, România
56. Simion A.I., Manea L., **Grigoraș C.-G.**, Favier-Teodorescu L.-G.: *Wastewaters capitalization for improving the fodder yeasts nutritional quality*
2nd International Conference on Natural and Anthropic Risks, 4-7 iunie **2014**, Bacău, România
57. Simion A.I., Ioniță I., **Grigoraș C.-G.**, Favier-Teodorescu L.-G., Gavrilă L.G.: *Development and optimization of water based paint formula in order to reduce VOCs emissions*
2nd International Conference on Chemical Engineering. Innovative Materials and Processes, ICCE, 5-8 noiembrie **2014**, Iași, România
-

-
58. Destandau E., **Grigoraş C.-G.**, Fougère L., Elfakir C.: *Better knowledge of apple pomace composition in view of its valorization as bioactive molecule source*
International Congress on Green Extraction of Natural Products – GENP, 16-17 aprilie **2013**, Avignon, France
59. Simion A.I., Dobrovici P.E., **Grigoraş C.-G.**, Ciobanu D.: *Fodder yeast development optimisation using as main carbon source barley husks hydrolysed*
International Conference of Applied Sciences. Chemistry and Chemical Engineering – CISA, 15-18 mai **2013**, Bacău, România
60. **Grigoraş C.-G.**, Manea L., Simion A.I., Ciobanu D.: *Improving the nutritional quality of fodder yeasts by adding minerals*
International Conference of Applied Sciences. Chemistry and Chemical Engineering – CISA, 15-18 mai **2013**, Bacău, România
61. Simion A.I., **Grigoraş C.-G.**, Gavrilă L.: *Mathematical modelling of ten vegetable oils thermophysical properties. Study of density and viscosity*
New Trends in Oil, Gas and Petrochemical Industry. Workshop. 24-25 mai **2013**, Constanța, România
62. Favier L., Bouzaza A., Rusu L., Simion A.I., **Grigoraş C.-G.**, Vial C., Wolbert D.: *Kinetic study of the photocatalytic degradation of carbamazepine over aqueous TiO₂ suspensions*
3rd European Symposium on Photocatalysis, 25-27 Septembrie **2013**, Portoroz, Slovenia
63. Favier L., Mocanu I., Rusu L., Simion A.I., **Grigoraş C.-G.**, Kadmi Y., Bouzaza A.: *Photocatalytic oxidation of pharmaceuticals in aqueous solution: A case study of carbamazepine*
The 6th International Symposium EuroAliment, 3-5 Octombrie **2013**, Galați, România
64. Favier L., Simion A.I., Rusu L., Matei E., Păcală M.L., **Grigoraş C.-G.**, Bouzaza A.: *Advanced oxidation process for organic compound elimination based on heterogenous photocatalysis: A kinetic study*
2nd edition of International Conference EcoImpuls 2013 – Environmental Research and Technology, 7-8 Noiembrie **2013**, Timișoara, România
65. Simion A.I., **Grigoraş C.-G.**: *New possibilities of fodder yeast production*
Ecology and Protection of Ecosystems – EPE 10th edition, 7-9 Noiembrie **2013**, Bacău, România
66. Grosu L., Fernandez B., **Grigoraş C.-G.**, Patriciu O.I., Grig-Alexa I.C., Nicuță D., Ciobanu D., Nedeff V., Gavrilă L., Fînaru A.L.: *Valorization of whey from dairies as fertilizer. Whey influence on germination and plant growth*
1st International Conference on Moldavian Risks – From Global to Local Scale, 16-19 mai **2012**, Bacău, România
-

-
67. Rusu L., Harja M., Simion A.I., **Grigoraş C.-G.**: *Fly ash-derived zeolites as adsorbents for Ni removal from waste water*
International Conference of Applied Sciences. Chemistry and Chemical Engineering – CISA, 24-27 aprilie **2012**, Bacău, România
68. Destandau E., **Grigoraş C.-G.**, Fougère L., Elfakir C., Lesellier E.: *Development of the separation of triterpenoids by Supercritical Fluid Chromatography / Evaporative Light Scattering Detector (SFC/ELSD)*
38th International Symposium on HPLC and related techniques, 16-21 iunie **2012**, Anaheim, SUA
69. Rusu L., Harja M., Favier L., **Grigoraş C.-G.**, Simion A., Şuteu D.: *Utilisation de la tourbe rouge et brune pour l'enlèvement des polluants des eaux usées municipales et industrielles*
7^{ème} Colloque Franco-Roumain de Chimie Appliquée – COFrRoCA, 27-29 iunie **2012**, Bacău, România
70. Simion A., **Grigoraş C.-G.**, Rusu L., Bardaşu L.: *Modélisation mathématique des propriétés thermophysiques des solutions aqueuses d'acide lactique. Densité et viscosité dynamique*
7^{ème} Colloque Franco-Roumain de Chimie Appliquée – COFrRoCA, 27-29 iunie **2012**, Bacău, România
71. **Grigoraş C.-G.**, Destandau E., Elfakir C.: *Extraction assistée par microondes d'acides triterpéniques de résidus de pommes*
7^{ème} Colloque Franco-Roumain de Chimie Appliquée – COFrRoCA, 27-29 iunie **2012**, Bacău, România
72. **Grigoraş C.-G.**, Destandau E., Zubrzycki S., Elfakir C.: *Obtention d'anthocyanines de cerises. Un procédé vert d'extraction et purification*
7^{ème} Colloque Franco-Roumain de Chimie Appliquée – COFrRoCA, 27-29 iunie **2012**, Bacău, România
73. Simion A.I., **Grigoraş C.-G.**, Rusu L., Gavrilă L.: *Modelling of the thermophysical properties of liquids involved in food processing*
Centenary of Education in Chemical Engineering, 28-30 Noiembrie **2012**, Iaşi, România
74. **Grigoraş C.-G.**, Simion A.I., Rusu L., Gavrilă L.: *Mathematical modeling of moisture loss during apples dehydration*
International Conference of Applied Sciences. Chemistry and Chemical Engineering – CISA, **2010**, Bacău, România
75. Grosu L., Fernandez B., Lungulescu G., **Grigoraş C.-G.**, Patriciu O.I., Alexa I.C., Fînaru A.L.: *Valorisation des sous-produits laitiers. Effet du petit-lait sur les végétaux*
Atelier Franco-Roumain. Promotion de la Chimie Verte, 6-7 iulie **2010**, Orléans, Franța
76. Simion A., Dobrovici P., Rusu L., **Grigoraş C.-G.**, Gavrilă L., Ciobanu D.: *Nouvelles modalités de valorisation de la pulpe de betterave*
Atelier Franco-Roumain Promotion de la Chimie Verte, 6-7 Iulie **2010**, Orléans, Franța
-

77. **Grigoraș C.-G.**, Gavrilă L., Fînaru A., Lazăr G., Elfakir C.: *Etudes et recherches concernant la valorisation des sous-produits d'origine végétale*
Atelier Franco-Roumain. Promotion de la Chimie Verte, 6-7 iulie **2010**, Orléans, Franța
78. Rusu L., Simion A., Harja M., **Grigoraș C.-G.**: *Evaluation de la capacité antioxydante des jus de fruits*
6^{ème} Colloque Franco-Roumain de Chimie Appliquée – COFrRoCA, 7-10 iulie **2010**, Orléans, Franța
79. **Grigoraș C.-G.**, Simion A.I., Gavrilă L.: *Modélisation mathématique des pertes de la vitamine C pendant le séchage des griottes*
6^{ème} Colloque Franco-Roumain de Chimie Appliquée – COFrRoCA, 7-10 iulie **2010**, Orléans, Franța
80. **Grigoraș C.-G.**, Destandau E., Fînaru A., Elfakir C.: *Analysis of sweet cherries antioxidant content*
Euroanalysis 2009, 6-10 septembrie **2009**, Innsbruck, Austria
81. Dabija A., **Grigoraș C.-G.**: *Etude concernant l'utilisation de la levure de panification pour l'obtention des pâtes congelées*
5^{ème} Colloque Franco-Roumain de Chimie Appliquée – COFrRoCA, 25-29 iunie **2008**, Bacău, România
82. **Grigoraș C.-G.**, Gavrilă L.: *Influence des paramètres technologiques sur la vitesse de séchage des fruits émiétés*
5^{ème} Colloque Franco-Roumain de Chimie Appliquée – COFrRoCA, 25-29 iunie **2008**, Bacău, România

PROIECTE

1. **Expert formare**
Mentalitate antreprenorială, inovare sustenabilă, incluziune și interdisciplinaritate: premise pentru consolidarea ecosistemului antreprenorial la Universitatea „Vasile Alecsandri” din Bacău CNFIS-FDI-2025-F-0719
2. **Expert formare**
Ecosistem antreprenorial competitiv, incluziv și sustenabil la Universitatea „Vasile Alecsandri” din Bacău
CNFIS-FDI-2024-F-0556
3. **Mentor studenți**
Formarea tinerilor și crearea de experiențe motivaționale pentru un viitor în antreprenoriat
CNFIS-FDI-2023-F-0244

4. **Membră în echipă**
Obținerea de materiale cu valoare adăugată prin valorificarea subproduselor industriale
PN-III-P2-2.1-PED-2019-1063
5. **Expert pilotare ofertă educațională**
Creșterea calității programelor de studii universitare prin formarea resursei umane și promovarea culturii antreprenoriale în rândul studenților – ProForm
POCU/379/6/21/124981
6. **Asistent manager**
Parteneriat pentru stagii de practică – Primul pas pentru o carieră în industria alimentară
POCU/60/6/19/108612
7. **Expert pe termen scurt**
Creșterea capacității de integrare pe piața muncii a studenților și absolvenților prin consiliere și plasamente practice
POSDRU/160/2.1/S/133020
8. **Expert pe termen scurt**
Calitate și expertiză în elaborarea și implementarea metodologiei de obținere și testare de produse competitive prin formarea profesională în cadrul unor noi programe de master cu impact major pe piața muncii
POSDRU/86/1.2/S/56711

ACTIVITATE EDITORIALĂ

1. **Editor invitat pentru numere speciale reviste științifice**
Sustainability, Gels.
2. **Membră în comitetul editorial pentru reviste științifice**
Scientific Study & Research – Chemistry & Chemical Engineering, Biotechnology, Food Industry; Scientific Study & Research – Biology
3. **Recenzor pentru 50 de reviste științifice**
5 platforme Elsevier, Springer Nature, Wiley, MDPI, Platforma de cercetare a Universității „Vasile Alecsandri” din Bacău