

CĂRȚI ȘI CAPITOLE DE CĂRȚI

1. 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**, DOI: 10.3390/books978-3-7258-1539-5.
2. **Grigoraș, C.-G.**, Simion, A.I., Gavrilă, L.: *Depoluarea efluenților din industria alimentară și biotehnologii. Îndrumar de laborator*, Editura Alma Mater, Bacău, **2015**.
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6. Rusu L., **Grigoraș C.-G.***, Simion A.I., Suceveanu E.M., Schnakovszky C., Favier L.: *Investigation on 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; IF₂₀₂₃ 4,7), **2022**, 14(16), 3388.
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9. Rusu L., **Grigoraș 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; IF₂₀₂₃ 4,7), **2022**, 14(1), 170.
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13. **Grigoraș 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; IF₂₀₂₃ 0,9), **2020**, 19(2), 247- 254.
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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 2021, Grigore T. Popa University of Medicine and Pharmacy, 18-19 noiembrie **2021**, Iași, România.
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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, 2022, 1-4 DOI: 10.1109/EHB55594.2022.9991402. Grigore T. Popa University of Medicine and Pharmacy, 17-19 noiembrie **2022**, Iași, România.
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POSTERE

1. Simion A.I., **Grigoraș 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 2023, 22-24 Mai **2024**, Bacău, România.
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10. **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 2022, Grigore T. Popa University of Medicine and Pharmacy, 17-19 noiembrie **2022**, Iași, România.
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15. Siamer S., Boufia S., Sescu A.M., Harja M., Simion A.I., **Grigoraș 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 2021, 25-27 Mai **2022**, Bacău, România.
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PROIECTE

1. **Expert formare** în cadrul proiectului „*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** în cadrul proiectului „*Ecosistem antreprenorial competitiv, incluziv și sustenabil la Universitatea „Vasile Alecsandri” din Bacău*” CNFIS-FDI-2024-F-0556.

3. **Mentor studenți** în cadrul proiectului „*Formarea tinerilor și crearea de experiențe motivaționale pentru un viitor în antreprenariat*” CNFIS-FDI-2023-F-0244.
4. **Membră în echipă** în cadrul proiectului „*Obținerea de materiale cu valoare adăugată prin valorificarea subproduselor industriale*” PN-III-P2-2.1-PED-2019-1063.
5. **Expert pilotare ofertă educațională** în cadrul proiectului „*Creșterea calității programelor de studii universitare prin formarea resursei umane și promovarea culturii antreprenoriale în rândul studenților – ProForm*” POCU 124981.
6. **Asistent manager** în cadrul proiectului „*Parteneriat pentru stagii de practică – Primul pas pentru o carieră în industria alimentară*” – POCU/60/6/19/108612.
7. **Expert pe termen scurt** în cadrul proiectului „*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** în cadrul proiectului „*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 2 numere speciale** din revistele științifice *Sustainability* și *Gels*.
2. **Membră în comitetul editorial pentru 2 reviste științifice:** *Scientific Study & Research - Chemistry & Chemical Engineering*, *Biotechnology*, *Food Industry* și *Scientific Study & Research – Biology*
3. **Recenzor pentru reviste din 4 platforme științifice** *Elsevier*, *Springer Nature*, *MDPI*, *Platforma de cercetare a Universității „Vasile Alecsandri” din Bacău*.

Dr. ing. ec. Cristina-Gabriela GRIGORAȘ