

LISTE DES PUBLICATIONS 2023 AU NIVEAU DU DEPARTEMENT DE GENIE DES PROCÉDES

1. Makaoui, N., Moghni, N., Boutemak, K., Akkache, L., Imoudache, H., & Zafour, A. H. Z. (2023). Synergistic effect of synthesized ZnO nanoflowers coupled with various antibiotics against pathogenic microbes: Characterization, antibacterial and antifungal activity assessment. *Nano-Structures & Nano-Objects*, 36, 101047. <https://doi.org/10.1016/j.nanoso.2023.101047>
2. Lakroun, S. E., Boutemak, K., Haddad, A., Bouchareb, E. M., & Bouchareb, R. (2023). Enhanced fermentative biohydrogen production from milk processing wastewater by magnetic spinel ferrites nanoparticles. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 45(1), 3138-3153. <https://doi.org/10.1080/15567036.2023.2193562>
3. Ouir, S., Lachenani, H., Boudeffar, F., Bouaoua, A., Cheraga, H., Zermane, F., ... & Gabouze, N. (2023). Structural, morphological and optical characterization of CuO/ZnO nanocomposite films. *Applied Physics A*, 129(1), 10. <https://doi.org/10.1007/s00339-022-06277-3>
4. Abdelbaki, Y., Sánchez-Tovar, R., de Arriba, A., García-González, E., Fernández-Domene, R., Solsona, B., & Nieto, J. M. L. (2023). Predicting the catalytic performance of Nb-doped nickel oxide catalysts for the oxidative dehydrogenation of ethane by knowing their electrochemical properties. *Journal of Catalysis*, 420, 9-22. <https://doi.org/10.1016/j.jcat.2023.02.009>
5. Lamoudi, L., Akretche, S., Hadjsadok, A., & Daoud, K. (2022). Fusidic Acid Microemulsion Based on a Pseudoternary Phase Diagram: Development, Characterization, and Evaluation. *Journal of Pharmaceutical Innovation*, 1-8. <https://doi.org/10.1007/s12247-022-09668-4>
6. Toumi, S., Yahoum, M. M., Lefnaoui, S., Hadjsadok, A., Sid, A. N. E. H., Hassen-Bey, A. H., ... & Mouni, L. (2023). Development of New Alkylated Carrageenan Derivatives: Physicochemical, Rheological, and Emulsification Properties Assessment. *Sustainability*, 15(8), 6473. <https://doi.org/10.3390/su15086473>
7. Yahoum, M. M., Toumi, S., Tahraoui, H., Lefnaoui, S., Hadjsadok, A., Amrane, A., ... & Mouni, L. (2023). Evaluation of Physicochemical and Amphiphilic Properties of New Xanthan Gum Hydrophobically Functionalized Derivatives. *Sustainability*, 15(8), 6345. <https://doi.org/10.3390/su15086345>
8. Yahoum, M. M., Toumi, S., Hentabli, S., Tahraoui, H., Lefnaoui, S., Hadjsadok, A., ... & Mouni, L. (2023). Experimental Analysis and Neural Network Modeling of the Rheological Behavior of Xanthan Gum and Its Derivatives. *Materials*, 16(7), 2565. <https://doi.org/10.3390/ma16072565>

9. Zahraoui, B., Lahcene, D., Naceur, M. W., Maazouzi, A., Badri, A., & Bensafi, M. (2023). Spontaneous Precipitation of Phosphates in Artificial Urine: Effect of Magnesium, Calcium, pH and Supersaturation. *ChemistrySelect*, 8(31), e202302109. <https://doi.org/10.1002/slct.202302109>
10. Palahouane, B. Keffous, A., Naceur, M.W., ...Bouchelaghem, O., Laib, K. Simultaneous removal of fluoride and sodium dodecyl sulfate from synthetic photovoltaic wastewater by electrocoagulation: evaluation of operating parameters *Desalination and Water Treatment* This link is disabled., 2023, 294, pp. 225–232
11. Bahloul, K., Khelifa, A., Aoudj, S., Moulay, S., Hecini, M., & Drouiche, N. (2023). Electrodeposited Cu₂O layer as effective visible-light-sensitive photocatalyst toward a continuous operating treatment approach for dyes removal. *Chemical Papers*, 1-13. <https://doi.org/10.1007/s11696-023-02869-2>
12. Nabi, I., Bachir, Y. N., Djellouli, S., Smain, M., & Hadj-Ziane-Zafour, A. (2023). In vivo antidiabetic effect and antioxidant potential of Stevia Rebaudiana mixed with Tragacanth gum in orange nectar. *Food Hydrocolloids for Health*, 4, 100147. <https://doi.org/10.1016/j.fhfh.2023.100147>
13. Boudjema, K., Moulai-Mostefa, N., & Badis, A. (2023). Baseline levels of integrated biomarker response index (IBR) in *Mytilus galloprovincialis* (Lamarck, 1819) of Boulsmail bay for monitoring Algerian Bays (Mediterranean Sea). *Marine Pollution Bulletin*, 192, 115022. <https://doi.org/10.1016/j.marpolbul.2023.115022>
14. Boudjema, K., Moulai-Mostefa, N., & Badis, A. (2023). Modeling integrated biomarker response (IBR) index for the mussel *Mytilus galloprovincialis* (Lamarck 1819) exposed to heavy metal mixture using the CCF design. *Ecotoxicology*, 1-15. <https://doi.org/10.1007/s10646-023-02654-7>
15. Lettreuch, H., Khodja, M., Moulay, S., & Driouèche, A. (2023). Synthesis and Antimicrobial Activity of New Methyl Pyrazolo [5, 1-c][1, 2, 4] benzotriazine-2-carboxylate Derivatives. *Russian Journal of Organic Chemistry*, 59(4), 674-678. <https://doi.org/10.1134/S1070428023040164>
16. Moulay, S. (2023). Gallol-Containing Polymers: Synthesis and Applications. *Chemistry Africa*, 1-47. <https://doi.org/10.1007/s42250-023-00691-7>
17. Moulay, S. (2023). Recent Developments in Catecholic Polymers: Polymerization and Applications. *Current Materials Science: Formerly: Recent Patents on Materials Science*, 16(3), 262-315. <https://doi.org/10.2174/2666145416666221122114444>

18. Ramírez, A. M., de Arriba, A., Ivars-Barceló, F., Ykrelef, A., Solsona, B., & Nieto, J. M. L. (2023). Upgrading the reflux method as novel route for competitive catalysts in alkane selective oxidation. *Catalysis Science & Technology*, 13(16), 4802-4812.
<https://doi.org/10.1039/d3cy00372h>