

King Khalid University
College of Engineering/Chemical Engineering Department
Publication Details

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1. Ismat H Ali, Mohammed Khaloofah Al Mesfer, Mohammad Ilyas Khan, Mohd Danish, Majed M. Alghamdi, “Exploring Adsorption Process of Lead (II) and Chromium (VI) Ions from Aqueous Solutions on Acid Activated Carbon Prepared from Juniperus procera Leaves” Processes 7(4):217. 2019.
2. Haitham Osman, Ihab Shigidi, and Amir Arabi, “Multiple Modeling Techniques for Assessing Sesame Oil Extraction under Various Operating Conditions and Solvents”, Foods. 8:142. 2019.
3. Javed Mallick, Chander Kumar Singh, Mohammed Khaloofah Al Mesfer, et,al, “Hydro-Geochemical Assessment of Groundwater Quality in Aseer Region, Saudi Arabia” Water 10(12):1847. 2019.
4. Muhammad Mohsin Hossain, Md. Akherul Islam, Hossain Shima, Mohd. Kafeela, Mudassir Hasan, and Moonyong Lee, “Synergistic Effect in Moisture Sensing of Nylon – 6 Polymer Films through Molecular-Level Interfacial Interactions of Amide Linkages in the Presence of Graphene”, J. Phys. Chem. C 2018, 122, 24672–24683.
5. Muhammad Mohsin Hossain, Md. Akherul Islam, Hossain Shima, Mudassir Hasan, Muhammad Hilal and Moonyong Lee, “Recrystallization techniques for the synthesis of ZnO nanorods: an in situ process for carbon doping and enhancing the dispersion concentration of ZnO nanorods”, RSCAdv. 2018, 8, 16927 – 16936
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7. Mudassir Hasan, MD Mamoon Rashid, Muhammad Mohsin Hossain, Mohammed Al mesfer, Atef El Jery, Narendra Kumar, Muhammad Arshad, Mohd Danish Moonyong Lee, Fabrication of Polyaniline/Activated Carbon composite and its Testing for Methyl Orange Removal : Optimization, Equilibrium, isotherm and Kinetic Study, Polymer Testing. 77. 2019.

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9. Y.M.Fahmy, Md Mamoon Rashid, Atef El Jery, Mohd Danish, Mohammed K. Al Mesfer, " Physicochemical Properties of doping NiO-CuO Catalyst Supported on Al₂O₃ and its catalytic activity", . *Journal of Engineering Technology* 8. 2:60-72. 2019.
10. Mohammed K. Al Mesfer, Md Mamoon Rashid, Mudassir Hasan, Atef El Jery, Mohd Danish, Y.M. Fahmy, "An experimental study of batch distillation of benzene-toluene binary mixture: Study of heat supply and reflux ratio effects on distillate", *J . Indian Chem. Soc.* 96:615-621. 2019.
11. Amari A., Gannouni H., Khan M.I, Almesfer M.K., Elkhaleefa A.M., Gannouni A. Effect of structure and chemical activation on the absorption properties of green clay minerals for the removal of cationic dye. *Appl. Sci.* 8:2302. 2018.
12. Khan M.I., Amari A., Mutafa A., Shoukry H., Ali Ismat H., Umoren Saviour A., Madhan Kumar A. Synthesis, Characterization and application of ferrochrome slag/polyaniline nanocomposite as corrosion protection coatings for carbon steel. *Int. J. Electrochem. Sci.* 13:7385-7396. 2018.
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14. Ismat H. Ali, Saifeldin M. Siddeeg, Abubakr M. Idris, Eid I. Brima, Khalid A. Ibrahim, Sara A. M. Ebraheem & Muhammad Arshad. Contamination and human health risk assessment of heavy metals in soil of a municipal solid waste dumpsite in Khamees-Mushait, Saudi Arabia. *Toxin Reviews*. <https://doi.org/10.1080/15569543.2018.1564144>
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22. Mohammed K. Al Mesfer, Mohd Danish. Breakthrough adsorption study of activated carbons for CO₂ separation from flue gas. *Journal of Environmental Chemical Engineering.* 6(4):4514-4524. 2018.
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24. Brima Eid I, Mohammed Mohammed E.A., Al-qarni Mohammed Ahmed, Omari Abdullah Mohammed Hassan Al., Elkhaleefa Abubakr M., AlBishri Hassan M. Assessment of trace elements in camel (*Camelus dromedaries*) meat, hump and liver consumed in Saudi Arabia by inductive coupled plasma mass spectrometry. *Journal of Camel Practice and Research* 26(2):179-187. 2019.