

King Khalid University College of Engineering/Chemical

Engineering Department Publication Details

1. Mohammed K. Al Mesfer. Synthesis and characterization of high-performance activated carbon from walnut shell biomass for CO₂ capture. *Environmental Science and Pollution Research* volume 27, pages15020–15028(2020).
2. Babar Azeem, Kuzilati KuShaari, Muhammad Naqvi, Lau Kok Keong, Mohammed Khaloofah Almesfer, Zakaria Al-Qodah, Salman Raza Naqvi and Nouredine Elboughdiri. Production and Characterization of Controlled Release Urea Using Biopolymer and Geopolymer as Coating Materials. *Polymers*2020,12(2), 400
3. Lotfi Khezami, Abueliz Modwi, Imed Ghiloufi, Kamal K. Taha, Mohamed Bououdina, Atef El Jery. Lassaad El Mir. Effect of aluminum loading on structural and morphological characteristics of ZnO nanoparticles for heavy metal ion elimination .*Environmental Science and Pollution Research* volume 27, pages 3086–3099.2020.
4. Experimental study and evaluation of single slope solar still combined with flat plate collector, parabolic trough and packed bed J Madiouli, A Lashin, I Shigidi, IA Badruddin, A Kessentini. *Solar Energy* 196, 358-366. 2020.
5. Abdelfattah Amari, Basem Alalwan , Moutaz M Eldirderi , Wissem Mnif and Faouzi Ben Rebah. Cactus material-based adsorbents for the removal of heavy metals and dyes: a review. *Mater. Res. Express* 7 (2020) 012002.
6. Saifeldin M. Siddeeg, Abdelfattah Amari , Mohamed A. Tahoona, Norah Salem Alsaiari, Faouzi Ben Rebah. Removal of meloxicam, piroxicam and Cd⁺² by Fe₃O₄/SiO₂/glycidyl methacrylate-S-SH nanocomposite loaded with laccase. *Alexandria Engineering Journal* Volume 59, Issue 2, April 2020, Pages 905-914
7. Shigidi*, H. Osman, M. Eldirderi, M. Ilyas Khan, A. Elkhaleefa, D. Dhanapal, M. Al Mesfer. Waste Engine Oil Remediation Using Low Cost Natural Clay Absorbent Material. *IJE TRANSACTIONS B: Applications* Vol. 33, No. 2, (February 2020) 178-185.