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PEER REVIEWED INTERNATIONAL JOURNAL ARTICLES

(2016)

1. S.N. Hussain, **H.M.A. Asghar**, H. Sattar, N.W. Brown & E.P.L. Roberts (2016). Disinfection performance of adsorption using graphite adsorbent coupled with electrochemical regeneration for various micro-organisms present in water. Accepted for publication in the journal of Industrial & Engineering Chemistry.

(2015)

2. **H.M.A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Potential graphite materials for the synthesis of GICs. Journal of Chemical Engineering Communications, Vol. 202(4) pp 508-512.
3. **H.M.A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Mercaptan's removal from aqueous solution using modified graphite based adsorbent through batch-wise adsorption-regeneration. Journal of Chemical Engineering Communications, Vol. 202(9) pp 1155-1160.
4. **H.M.A. Asghar**, T. Ahmad, S.N. Hussain & H. Sattar (2015). Electrochemical oxidation of methylene blue in aqueous solution. International Journal of Chemical Engineering and Applications, Vol. 6 (5) pp 352-355
5. S.N. Hussain, **H.M.A. Asghar**, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Chlorinated breakdown products formed during oxidation of adsorbed phenol by electrochemical regeneration of a graphite intercalation compound. Journal of Industrial & Engineering Chemistry, accepted for publication.
6. S.N. Hussain, **H.M.A. Asghar**, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Free chlorine formation during electrochemical regeneration of a graphite intercalation compound adsorbent used for waste water treatment. Journal of Applied Electrochemistry, Vol. 45(6) pp 611-621.
7. S.N. Hussain, **H.M.A. Asghar**, H. Sattar, N.W. Brown & E.P.L. Roberts (2015). Removal of tartrazine from water by adsorption with electrochemical regeneration. Journal of Chemical Engineering Communications, Vol. 202(10) pp 1280-1288.
8. S.N. Hussain, **H.M.A. Asghar**, H. Sattar & E.P.L. Roberts (2015). Electrochemical regeneration of GIC adsorbent in a continuous electrochemical reactor. International Journal of Chemical Engineering and Applications, Vol. 6 (4) pp 258-261

(2014)

9. S.N. Hussain, N. D. Heras, **H.M.A. Asghar**, N.W. Brown & E.P.L. Roberts (2014). Electrochemical regeneration of various graphitic adsorbents in an air agitated sequential batch reactor. Journal of Chemical Engineering & Science, Vol. 2(2) pp 24-29.
10. S.N. Hussain, N. D. Heras, **H.M.A. Asghar**, N.W. Brown & E.P.L. Roberts (2014). Disinfection of water by adsorption combined with electrochemical treatment. Journal of Water Research, Vol. 54 pp 170-178.
11. **H.M.A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2014). Improved phenol adsorption from aqueous solutions using electrically conducting adsorbents. The Korean Journal of Chemical Engineering, Vol. 31(5) pp 834-840
12. **H.M.A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2014). Electrochemically synthesized GIC-based adsorbents for water treatment using adsorption and electrochemical regeneration. Journal of Industrial & Engineering Chemistry, Vol. 20(4) pp 2200-2207

13. **H.M.A. Asghar**, S.N. Hussain, H. Sattar, N.W. Brown & E.P.L. Roberts (2014). Environmentally friendly preparation of exfoliated graphite. *Journal of Industrial & Engineering Chemistry*, Vol. 20(4) pp 1936-1941.
14. **H.M.A. Asghar**, S.N. Hussain, N.W. Brown & E.P.L. Roberts (2014). Synthesis of electrically conducting adsorbents for waste-water treatment using adsorption and electrochemical regeneration. *Journal of Industrial & Engineering Chemistry*, Vol. 20(3) pp 781-786.

(2013)

15. **H.M.A. Asghar**, S.N. Hussain, E.P.L. Roberts & N.W. Brown (2013). Removal of humic acid from water using adsorption coupled-with electrochemical regeneration. *The Korean Journal of Chemical Engineering*, Vol. 30(7) pp 1415-1422.
16. **H.M.A. Asghar**, S.N. Hussain, E.P.L. Roberts, A.K.Campen & N.W. Brown (2013). Pretreatment of adsorbent for waste water treatment using adsorption coupled with electrochemical regeneration. *Journal of Industrial & Engineering Chemistry*, Vol. 19(5) pp 1689-1696.
17. S.N. Hussain, **H.M.A. Asghar**, A.K.Campen, N.W. Brown & E.P.L. Roberts (2013). Breakdown products formed due to oxidation of adsorbed phenol by electrochemical regeneration of a graphite adsorbent. *Journal of ElectrochimicaActa*, Vol. 110 pp 550-559.
18. S.N. Hussain, E.P.L. Roberts, **H.M.A. Asghar**, A.K.Campen & N.W. Brown (2013). Oxidation of Phenol and the adsorption of breakdown products using a graphite adsorbent with electrochemical regeneration. *Journal of ElectrochimicaActa*, Vol. 92 pp. 20-30.

(2012)

19. **H.M.A. Asghar**, E.P.L. Roberts, S.N. Hussain, A.K.Campen & N.W. Brown (2012). Wastewater treatment by adsorption with electrochemical regeneration using graphite based adsorbents. *Journal of Applied Electrochemistry*, Vol. 42(9) pp 797-807.
20. M.G. Conti-Ransden, **H.M.A. Asghar**, S.N. Hussain, E.P.L. Roberts & N.W. Brown (2012) Removal of mercaptans from a gas stream using continuous adsorption-regeneration. *Water Science & Technology*, Vol. 66(9) pp 1849-1855.
21. Arshid M. Ali, Ayaz Muhammad, Amir Shafeeq, **Hafiz M.A. Asghar**, Syed N. Hussain & Hamid Sattar (2012). Doped Metal Oxide (ZnO) and Photocatalysis: A Review. *Journal of Pakistan Institute of Chemical Engineers*, Vol. 40(1) PP 12-22.

(2011)

22. M.R. Usman, S.N. Hussain, **H.M.A. Asghar**, H. Sattar & A. Ijaz (2011). Liquid-liquid extraction of acetic acid from an aqueous solution using a laboratory scale sonicator. *Journal of Quality and Technology Management*, Volume 7(2) pp 115-121.

(2009)

23. M.R. Usman, H.Sattar, S. N. Hussain, **H.M.A. Asghar** & W. Afzal (2009). Drop size in liquid pulsed sieve-plate extraction column. *Brazilian Journal of Chemical Engineering*, Vol. 26(4) pp 677-687.

(2008)

24. S.S. Daood, A.Ijaz, **H.M.A. Asghar**, M. Ali & M.A. Butt (2008). Stability comparison of concentric tube bulb manometer with conventional U-shaped manometer. *Measurement*, Vol. 41(8) pp 934-939.

(2006)

25. **H.M.A. Asghar**, S.N. Hussain, H. Sattar, A. Chughtai & M.A. Butt (2006). Hydrodynamic study of three phase inverse fluidized bed. *Journal of Faculty of Engineering and Technology, University of the Punjab, Lahore, Pakistan*.
26. H. Sattar, S.N. Hussain, **H.M.A. Asghar**, A. Chughtai & M.A. Butt (2006). Production and characterization of activated carbon from indigenous coal (Lakhra Coal). *Journal of Faculty of Engineering and Technology, University of the Punjab, Lahore, Pakistan*.