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Journal Publications:

1. Javeed A. Awan, Alain Valtz, Christophe Coquelet, Dominique Richon, Effect of Acid gases on the solubility of n-Propylmercaptan in 50 wt % Methyl-diethanolamine aqueous solution, *J. Chem. Eng. Research and Design*, 2008, 86, 600-605.
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3. Javeed A. Awan, Christophe Coquelet, Alain Valtz, Dominique Richon, Volumetric Properties of Hexamethyleneimine and of its Mixtures with Water, *Thermochimica Acta*, 2009, 484, 57-64.
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5. Javeed A. Awan, Ioannis Tsivintzelis, Martin P. Breil, Christophe Coquelet, Dominique Richon, Georgios M. Kontogeorgis, Phase Equilibria of Mixtures Containing Organic Sulfur Species (OSS) and Water/Hydrocarbons: VLE Measurements and Modeling Using the Cubic-Plus-Association Equation of State, *Ind. Eng. Chem. Res.*, 2012, 1076-1082.
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7. Javeed A. Awan, Ioannis Tsivintzelis, Alain Valtz, Christophe Coquelet, Georgios M. Kontogeorgis, Vapor-Liquid-Liquid Equilibrium Measurements and Modeling of the Methanethiol + Methane + Water Ternary System at 304, 334, and 364 K, *Ind. Eng. Chem. Res.*, 2012, 51 (35), pp 11561-11564.
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9. Javeed A. Awan, Muhammad Rashid Usman, Rafi Ullah Khan, Dominique Richon, Electrical Conductivity of n-Propylmercaptan (n-PM) in Methyl-diethanolamine Aqueous Solutions at 303.15 K. *JPICChE*, 2011, XXIX, 29-33, ISSN 1813 - 4092
10. Javeed A. Awan, Mahmood Saleem, An overview of the thermodynamic models for acid gases in electrolyte solutions, 2011, *JFET*, 18 (1) 13-29, ISSN-1992-3082.
11. Javeed A. Awan, Georgios M. Kontogeorgis, Ioannis Tsivintzelis, Christophe Coquelet, Vapor-liquid-liquid equilibrium measurements and modeling of ethanethiol + methane + water, 1-propanethiol + methane + water and 1-butanethiol + methane + water ternary systems at 303, 335 and 365 K and pressure up to 9MPa. *Ind. Eng. Chem. Res.*, 2013, 52 (41), pp 14698-14705.
12. Kashif Nadeem, Hassnain Mahmood, Hasan Raza, Mehwish Batool, Shazia Naz Malik, Aamir Ijaz, Javeed A. Awan, The Production of Biodiesel from Used Cooking Oil; Characterization of Key Fuel Properties of Ethyl Esters and diesel-biodiesel blends. 2014, *Biofuels Taylor & Francis* Volume 5, Issue 6, pages 591-596.
13. Hina Saeed, Faiza Saeed Chaudhry, Shahid Rehman, Zafar Rasheed, Aamir Ijaz, Javeed A. Awan, Removal of toxic metallic ions Cr (VI), Cu (II), Ni(II), Co(II) and Cd(II) from waste water effluents of tanneries by using Punica granatum (pomegranate) membrane, *Iranica Journal of Energy and Environment* 7(1): 52-57, 2016.
14. Muhammad Usman Mubarak, Ahmad Adnan, Abdul Rehman, Muhammad Imtiaz Shafiq, Javeed A. Awan, A new method for the estimation of surfactin, 2016, A New Method for Estimation of Surfactin, *Asian J. Chem.* 28, 230-232.
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16. Muhammad Yaqoob, Gull Zaib, Mudasir Hussain, Safwan Ali, Javeed A. Awan, Christophe Coquelet, Development of new cell for the measurements of Electrical Conductivity and pH of n-propanethiol and n-

- butanethiol in N-methyldiethanolamine + piperazine (MDEA-Piperazine) Aqueous Solution at 306 K and 1 atm. 2015, *J. Chem. Eng. Data* (accepted).
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 20. Zeeshan Ilyass, Hamza Arif, Noor Muhammad, Qais Ahamed Sanwal, Javeed A. Awan, Heat analysis of mixing of low grade coal and high grade coal blends from Pakistan, 2015, *JPICChE*, XXXIX, ISSN 1813 – 4092.(submitted)
 21. Abad Ali Nadeem, Muhammad Nadeem, Quratulain Syed, Umar Asghar, Mahrose A. Khan, Anwar Asghar, Amir Ijaz, Javeed A. Awan, SEMI-PILOT SCALE BIOETHANOL PRODUCTION FROM HYDROLYZED BIOMASS OF SUGAR CANE BAGASSE BY *Saccharomyces cerevisiae*, *Brazilian Journal of Chemical Engineering - Manuscript ID BJCE-2015-0537* (Submitted)
 22. Javeed A. Awan, Qazi Mohammad Omar, Adil Amin, Muhammad Sarfraz, Muhammad Awais, Ijlal Idrees, Gulzar Hussain, Development of low cost adsorbents for the removal of water hardness; An experimental study and modeling of newly developed adsorbent consist of coconut shell activated carbon, polystyrene resin and chemically modified sugar cane bagasse. *JFET*, 692-1856-1, 19-02-2016 (submitted)