

Chemical and Petroleum Engineering Department

2013

Conference Papers-2013

1. Abbaszadegan, S., Al-Marzouqi, A.H., Salem, A.A., Amin, A., “Physicochemical Characterization of Safranal- β -cyclodextrin Inclusion Complexes Prepared by Supercritical Carbon Dioxide and other Conventional Methods”, The 24th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2013), June 30-July 3, 2013, Bologna, Italy.
2. Abu-Jdayil, B., Abdel-Hamid Ismail Mourad, and Atif Hussain. SCRAP TIRES-BASED HEAT INSULATOR COMPOSITES, 12th International Conference on Frontiers of Polymers and Advanced Materials (12th ICFPAM, December 8 – 13, 2013, Auckland – New Zeland.
3. Abu-Jdayil, B., and A.-H. I. Mourad. Utilization of Local Clay in Thermal Insulation Materials, Industrial Rocks and Construction Materials in the Arab World Symposium and Expo – 2013, January 7 – 9, 2013, Fujairah – UAE.
4. Al-Ahmad, M., Al-Marzouqi, A.H., “Exit Exam as Academic Indicator”, The Second International Conference on E-Learning and E-Technologies in Education, September 23-25, 2013, Lodz, Poland.
5. Al-Ahmad, M., Al-Marzouqi, A.H., “Exit Exam as Academic Indicator”, The Second International Conference on E-Learning and E-Technologies in Education, September 23-25, 2013, Lodz, Poland.
6. Al-Attar, H., M. Mahmoud, A.Zekri, R. Almehaideb, and M.Ghannam: “Low Salinity Flooding in a Selected Carbonate Reservoir: Experimental Approach,” SPE paper #164788 accepted for presentation in the 75th EAGE Annual Conference & Exhibition incorporating SPE Europec held in London, United Kingdom, 10–13 June 2013.

<p>7. Al-Khalid, T. T., M. H. El-Naas, Transient Behavior in Biodegradation of 2, 4 dichlorophenol: Is it a Starvation Effect?, The 4th International Conference on Chemical Engineering and Applications, Paris, France 2013</p>
<p>8. Al-Marzouqi, M., Sayed A.M. Marzouk, and Nayef Ghassem, “Removal of CO₂ and H₂S from natural gas using Hollow Fiber Membrane Contactors at ADGAS field conditions”, Abu Dhabi International Research and Development Academic Conference & Exhibition (ADRAC 2013), February 2013, Abu Dhabi, UAE.</p>
<p>9. Alusta, G., Mackay, E.J., Fennema, J., and Armih, K.,: “Decision Making Tool to Assist in Choosing Between Polymer Flooding and Infill Well Drilling: Case Study” paper SPE-165276 to be presented at The SPE Enhanced Oil Recovery Conference (EORC) Kuala Lumpur, Malaysia, 2-4 JULY 2013</p>
<p>10. Ayesh, Ahmad; Ahmed, Haya; Awwad, Falah; Abu-Eishah, S.I.; Mahmoud, S.T., “Fabrication of Size-Selected Ti Nanoclusters by Inert Gas Condensation”, in “Advanced Materials World Congress”, Izmir –Turkey, September 16-19, 2013.</p>
<p>11. Baklavaridis A., A. Sdrobis, C. Panayiotou, C. Vasile and I. Zuburtikudis, (2013), “LDPE Based Nanocomposites for Safe and Health-Promoting Food-Packaging Applications”, poster presentation in IWAM 2013, 24-26 February 2013, Ras Al Khaimah, UAE</p>
<p>12. Baklavaridis A., I. Zuburtikudis, (2013), ‘Polyolefin-Based Nanocomposites: The Role of Compatibilizer on the Mechanical Properties of WS₂ Nanotubes-Reinforced Polypropylene’, American Institute of Chemical Engineers (AIChE) Meeting, 3-8 November, 2013, San Francisco, CA, USA.</p>
<p>13. Dohai, B.S., Al-Marzouqi, A.H., “Supercritical CO₂ Extraction of Henna Flower and its Compositional Analysis”, 10th Conference on Supercritical Fluids and their Applications, April 29-May 6, 2013, Naples, Italy.</p>
<p>14. Dohai, B.S., Al-Marzouqi, A.H., “Supercritical CO₂ Extraction of Henna Flower and its Compositional Analysis”, 10th Conference on Supercritical Fluids and their</p>

Applications, April 29-May 6, 2013, Naples, Italy.
15. El-Naas, M. H., A-M Mohamed, M. El Gamal, Sequestration of Carbon Dioxide using EAF Steel Slag in a Fluidized Bed Reactor, <i>The World Congress of Chemical Engineering, WCCE 9</i> , August 2013, Seoul, Korea.
16. El-Naas, M. H. and R. Surkatti, A-H Mourad, Evaluation of the Mechanical Properties of Poly Vinyl Alcohol (PVA) Gel for Biomass Immobilization, <i>The World Congress of Chemical Engineering, WCCE 9</i> , August 2013, Seoul, Korea
17. Ghasem N.M., M. Al-Marzouqi, N. Abdul Rahim, Absorption of acid gas via gas-liquid membrane contactors and potassium glycinate as solvent. The 2 nd international conference on water energy & environment 2013. September 21-24, 2013 Kusadasi, Turkey.
18. Ghasem N.M., M. Al-Marzouqi, N. Abdul Rahim, Absorption of CO ₂ from natural gas utilized gas-liquid PVDF hollow fiber membrane contactors via potassium glycinate solvent. 11 th International conference on membrane science and technology, Seri pacific hotel, Kuala Lumpur, 27-29 th August 2013.
19. Ghasem, N., Mohamed Al-Marzouqi, N. Abdul Rahim. Simulation of Gas/Liquid Membrane Contactor with COMSOL Multiphysics. COMSOL conference, WTC Rotterdam, Netherlands. October 23 - 25, 2013. Session: Chemical reaction engineering II.
20. Hamdan, S. S., M. H. El-Naas, Evaluation of an Electrocoagulation Column for the Removal of Cr(VI) from Brackish Groundwater, The 63rd Canadian Chemical Engineering Conference, New Brunswick, Canada 2013
21. Hossain, Md M, Collins and A.F. Mohammed, Adsorption of major whey proteins on commercially available ion exchange membrane at the 4 th International Conference on Chemical, Biological and Environmental Sciences, 12-13 October, 2013, Singapore.
22. Panayiotidou E., A. Baklavaridis, D. Achilias and I. Zuburtikudis, (2013),

"Biodegradable Poly(3-hydroxybutyrate) Nanocomposites: The Role of Organo-Modified Nanoclays on the Thermo-mechanical Characteristics via a DoE study", AIChE Annual Meeting, 3-8 November 2013, San Francisco, CA, USA

23. Panayiotidou E., A. Baklavaridis, I. Zuburtikudis, P. Mitlianga, C. Conidaris and D. Achilias, (2013), "Nanocomposites of biodegradable poly(3-hydroxy butyrate) /organomodified montmorillonite: Production and study of biodegradation", EUROMAT 2013, 8-13 September 2013, Sevilla, SPAIN

24. Panayiotidou E., A. Kroustalli, A. Baklavaridis, I. Zuburtikudis, D. Achilias and Despoina Deligianni, (2013), "Study of the thermal behavior and the biocompatibility of Poly(3-hydroxy butyrate) and its nanocomposites with organo-modified montmorillonite", EUROMAT 2013, 8-13 September 2013, Sevilla, SPAIN

25. Zuburtikudis I. and A. Baklavaridis, (2013), "The mechanical properties of polypropylene (PP)/WS2 nanotubes composites using PP-graft maleic anhydride as compatibilizer for better dispersion", oral presentation in the International Workshop on Advanced Materials 2013 (IWAM 2013), 24-26 February 2013, Ras Al Khaimah, UAE

Patents-2013

1. El-Naas, M. H., J. Acio and A. Hassan "Spouted Bed Bio-Reactor System" US Patent Application No. 13/975,834

2. El-Naas, M.H. and S. Al-Zuhair, "Process and System for the Treatment of Industrial and Petroleum Refinery Wastewater"; US Patent Application No. US 2013/0206688

3. Zhu, J, Perinpanayagam, H, Mozumder, M.S, Zhang, H, and Shi, W, "Biocompatible Polymer Nanoparticle Coating Composition and Method of Production Thereof", US Patent, 20,130,059,946, 2013