

Chemical and Petroleum Engineering Department

2011

Conference Papers-2011

1. Abu-Eishah, S.I. “Desertification: Causes and Possible Solutions”, Global Day for Anti-Desertification, organized by General Services and Environment Administration, Environment Protection Section in Fujairah, June 18, 2012.
2. Abu-Jdayil, B., F. Banat and M. Al-Sameraiy. Rheological Behavior of RBC Sludge at Different Steps of Treatment, The 2011 International Conference on Water, Energy, and The Environment (ICWEE2011), November 14-17, 2011, Sharjah-UAE.
3. Abu-Jdayil, B., S.A. Al-Omari, H. Taher and L. Al-Nuaimi. Rheological Characterization of Clay-Polyester Composites, International Conference on the Mechanical Behavior of Materials (ICM 11), June 5-9, 2011, Como Lake, Italy.
4. Al-Nuaimi, L., N. Ghasem, M. Al. Marzouqi, “Fabrication of polymeric hollow fiber membrane for the production of safe drinking water”. The 2011 International Conference on Water, Energy and Environment, 14 -17 November, 2011, Sharjah, UAE.
5. Al-Marzouqi, M., “Selective Removal of CO₂ and H₂S from Pressurized Gas Streams using Hollow Fiber Membrane Contactors”, The 20th Joint Japan-UAE Environmental Symposium, 22-24, November, 2011, Abu Dhabi, UAE.
6. Alusta, G., Mackay, E.J., Fennema, J. and Collins, I.R.: “EOR vs. Infill Well Drilling: How to Make the Choice?” paper SPE 143300 presented at the SPE Enhanced Oil Recovery Conference (EORC), Kuala Lumpur, Malaysia, 19-21 July 2011.
7. Baklavaridis A., E. Panagiotidou, B. Skellas, S. Marras, A. Vatalis, I. Zuburtikudis, Panayiotou C., (2011), “Polymer nanocomposite scaffolds for bone-regeneration applications”, presented in (Abstract Book of the) 8th International Conference on

Nanosciences & Nanotechnologies(NN11), 12-15/7/2011, Thessaloniki, GREECE
8. Baklavaridis A., I. Malinis, I. Zuburtikudis, (2011), “The influence of WS2 nanotubes on the mechanical properties of maleic-anhydride-grafted polypropylene”, presented in the 4th COINAPO (Composites of Nanotubes and Polymers) Topical Meeting, 8-9 December 2011, Ljubljana, SLOVENIA
9. Baklavaridis A., I. Mallinis, I. Zuburtikudis, (2011), “Structural and thermal properties of nanocomposites based on maleic-anhydride-grafted polypropylene and WS2 nanotubes”, presented in the 4th COINAPO (Composites of Nanotubes and Polymers) Topical Meeting, 8-9 December 2011, Ljubljana, SLOVENIA
10. Baklavaridis A., I. Zuburtikudis, Panayiotou C., (2011), “Polymer nanoblends for biomedical applications”, presented in EUROMAT 2011, 12-15 September 2011, Montpellier, FRANCE
11. Baklavaridis A., I. Zuburtikudis, Panayiotou C., (2011), “Scaffolds Derived from co-continuous polymer nanocomposite blends for tissue engineering”, presented in the Conference on: Multiphase Polymers and Polymer Composites From Nanoscale to Macro Composites, 7-10 June 2011, Paris, FRANCE
12. Hamdan S. and M. H. El-Naas, Removal of Cr(VI) from Brackish Groundwater Using Electrocoagulation, The 1st International Conference on Desalination and Environment, Abu Dhabi, UAE, November 2011.
13. Marzouk, S., Mohamed H. Al-Marzouqi, “Gas analyzer for continuous monitoring of hydrogen sulfide in gas streams based on novel detection scheme”, Pittsburgh Conference (PITTCON), March, 2011, Atlanta, USA.
14. Panayotidou E., Kroustalli A., Baklavaridis A., I. Zuburtikudis, Achilias D., Deligianni D., (2011), “Poly(3-hydroxy butyrate)/silicate clays nanocomposites: Thermal behavior and biocompatibility”, presented in EUROMAT 2011, 12-15 September 2011, Montpellier, FRANCE

15. Surkatti, R. and M. H. El-Naas, Biodegradation of O-cresol by Pseudomonas Putida Immobilized in Polyvinyl alcohol (PVA), The 1st International Conference on Desalination and Environment, Abu Dhabi, UAE, November 2011.

16. Yotova L., Zuburtikudis I., Marras S., Dessislava M., Velichkova V., (2011), "New nanocomposite materials for biosensor design", presented in the 7th International Conference on Polymer and Textile Biotechnology (IPTB2011), 2-3 March 2011, Milan, ITALY

17. Zuburtikudis I., Yotova L., Manoudis P., Dessislava M., Kasabova C., (2011), "Polymeric nanocomposite materials based on TiO₂ nanoparticles for biofilm formation", presented in the 7th International Conference on Polymer and Textile Biotechnology (IPTB2011), 2-3 March 2011, Milan, ITALY

Book Chapters-2011

1. Abu-Eishah, S.I., Ionic liquids recycling for reuse. In *Ionic Liquids– Classes and Properties*. Scott T. Handy (Ed.), InTech - Open Access Publisher, Croatia, October 2011.

2. El-Naas, M. H., Alhaija M. A., Modeling of Adsorption Processes. In *Mathematical Modelling*. Christopher R. Brennan (Ed.), Nova Publishing, June 2011

3. El-Naas, M. H., Reject Brine Management. In *Desalination, Trends and Technologies*. Michael Schorr (Ed.), InTech, February 2011

4. Hossain, Md. M., (2011). Mass transfer Investigation of Organic Acid Extraction with Trioctylamine and Aliquat Dissolved in Various Solvents. In *Mass Transfer in Multiphase Systems and Applications*. Mohamed El-Amin (ed.), Intech Open Access Publisher, Croatia, 2011

Patents-2011

1. Zhu, J., Mozumder, M.S, Perinpanayagam, H, Shi, W, and Zhang, H, "Biocompatible

Polymer Nanoparticle Coating Composition and Applications Thereof”, Chinese Patent, Filed, 11C10062CN, April 25, 2011