

Chemical and Petroleum Engineering Department

2010

Conference Papers-2010

1. Abu-Jdayil, B., Hazim Al-Attar and Mohamed Al-Marzouqi, "Outcomes Assessment in Chemical and Petroleum Engineering Programs", ISEE 1-2 July, 2010, Cork, Ireland.
2. Abu-Jdyil B., and H. Al-Attar: "Curriculum assessment as a direct tool in ABET outcomes assessment in a chemical engineering program," 3rd International Symposium in Engineering Education, Ireland, July 01-02, 2010.
3. Al-Attar, H., B. Abu-Jdayil, and M. Al-Marzouqi, Assessment of Educational Objectives in Chemical and Petroleum Engineering Programs, 3rd International Symposium for Engineering Education (ISEE 2010), July 1-2, 2010, University College Cork, Ireland.
4. Al-Marzouqi, R., M. Viallate, N. Ghasem, M. Al-Marzouqi, "Fabrication, characterization and testing of Polyethersulfone hollow fiber membranes for the separation of CO₂ from CO₂-CH₄ gas mixture". 2nd International Conference on Chemical Engineering and Advanced Materials (CEAM 2010-VF). Italy, November 15th - 26th, 2010.
5. Al-Nakoua, M. A. and M. H., El-Naas, Probe and Channel Reactors with a Thin Catalyst Layer, *The 13th Asia Pacific Confederation of Chemical Engineering Congress*, Taipei, Taiwan 2010.
6. Al-Zuhair S., A. AlMenhali, I. Hamad, M. AlShehhi, N. AlSuwaidi, S. Mohamed, Enzymatic Production of biodiesel from used/waste vegetable oils: Design of a pilot plant, International conference on renewable energy: Generation and application, 2010, Al-Ain, UAE
7. Al-Zuhair S., Introducing biotechnology to the chemical engineering curriculum at UAE University. 5th International Forum on Engineering Education & European SDPROMO

II Conference, 2010, Sharjah, UAE
8. Azzam, A.A., Al-Marzouqi, A.H., Zekri, A.Y., “Remediation of soil contaminated with crude oil using supercritical CO ₂ ”, The 3rd International Multi-Conference on Engineering and Technological Innovation, June 29-July 2, 2010, Orlando, USA.
9. El-Naas M.H., A.I. Mourad, S. Al-Zuhair, R. Surkatti, Characterization of polyvinyl alcohol gel as support for microbial immobilization. <i>14th International Biotechnology Symposium and Exhibition, 2010, Italy</i>
10. El-Naas M.H., S. Al-Zuhair, M. A.Alhaija, Adsorption of Organic Contaminants on Date-Pit Activated Carbon. <i>The 13th Asia Pacific Confederation of Chemical Engineering Congress, 2010, Taipei</i>
11. El-Naas, M. H, Carbon Dioxide Capture, The RAK Symposium on Environment Friendly Industries and Sustainable Economic Development, June 5, 2010
12. El-Naas, M. H, Carbon Dioxide Capture, The RAK Symposium on Environment Friendly Industries and Sustainable Economic Development, June 5, 2010
13. El-Naas, M. H, Electrocoagulation for Water Treatment: Technical Aspects and Potential of Industrial Investment, The International Conference on Perspectives of Industrial Investment in the GCC, RAK, November 2010
14. Ghasem N.M., , R. Al-Marzouqi, M. Al-Marzouqi, N. Abdul Rahim, A. Duidar, A. Removal of CO ₂ from gas mixture using hollow fiber membrane contactors fabricated from PVDF/Triacetin/Glycerol cast solution. Advances in control and chemical engineering conference. European Conference of Chemical Engineering, November 30-December 2, 2010. Tenerife, Spain.
15. Ghasem, N., M. Al-Marzouqi, R. Al-Marzouqi, A. Dowaidar, M. Vialatte, “Removal of CO ₂ from gas mixture using hollow fiber membrane contactors fabricated from PVDF/ Triacetin/ Glycerol cast solution”, European Conference of Chemical

Engineering, Tenerife, Spain, November 30- December 2, 2010.

16. Hashem, N., Mozumder, M.S., Deller-Quinn, M., and Perinpanayagam, H. (2010) Endodontic MTA materials support human mesenchymal cell attachment and differentiation. Journal of Canadian Dental Association. 76: a95.

17. Hossain, Md M (2010), A membrane-based process for Removal of Caffeine from Coffee using a less toxic Solvent, International Conference of Systems Biology and Bioengineering, June 30-2 July, 2010, London, U.K.

18. Marzouk, S., Mohamed H. Al-Marzouqi, "Gas analyzer for continuous monitoring of sulfur dioxide in gas streams based on amperometric detector", Pittsburgh Conference (PittCon 2010), Orlando, FL, USA, Feb. 28 - March 5, 2010.

19. Marzouk, S., Mohamed H. Al-Marzouqi, Muftah H. El-Naas, Nadia Abdullatif, Zahoor M. Ismail, "Removal of CO₂ and H₂S from Pressurized Gas Streams using Hollow Fiber Membrane Contactors and Stripping Solvents: Challenges and Progress", 2010 JCCP Environmental Symposium, 01-04, February, 2010, Bahrain.

20. Panayiotidou E., A. Kroustalli, S.I. Marras, I. Zuburtikudis, D. Axilias, D. Deligianni, D. Mavrilas, (2010), "Nanocomposites based on poly(3-hydroxybutyrate): Preparation, Characterization and Biocompatibility", 4th Panhellenic Conference of the Hellenic Embiomechanics Society, pg. 53, 4-6/6/2010, Ioannina, GREECE

21. Panayotidou E., D. S. Achilias, S. Marras, I. Zuburtikudis, (2010), "Improving the thermal properties of the biodegradable poly(3-hydroxybutyrate) through the formation of nanocomposites with organically modified montmorillonite", 2nd International Symposium on Green Chemistry for Environment and Health, September 27-29, 2010, Mykonos, GREECE

22. Panayotidou E., D. S. Achilias, I. Zuburtikudis, (2010), "Effect of the organo-modified nano-reinforcement on the thermal properties of Poly(3-hydroxybutyrate)-based hybrid materials", in Abstract Book of the 8th Hellenic Polymer Society Symposium, 24-

29/10/2010, Crete, GREECE

23. Panayotidou E., D. S. Achilias, I. Zuburtikudis, (2010), "Thermal Degradation Kinetics of Poly(3-Hydroxybutyrate) Nanocomposites", 6th International Conference on Modification, Degradation and Stabilization of Polymers, September 5-9, 2010, Athens, GREECE

24. Panayotidou E., D.S. Achilias, S.I. Marras, I. Zuburtikudis , (2010), "The role of the organo-modified nano-reinforcement on the thermal properties of Poly(3-hydroxybutyrate)-based hybrid materials", in Book of Abstracts of COST Action 868: Understanding polymer (bio)functionalization at the nanoscale, 2-3/9/2010, Crete, GREECE

25. Triacetin/ Glycerol cast solution", European Conference of Chemical Engineering, Tenerife, Spain, November 30- December 2, 2010.

26. Tsimliaraki A., I. Tsvintzelis, S.I Marras, I. Zuburtikudis, C. Panayiotou, (2010), "Tailoring the porous structure of poly(D,L lactic acid)/ clay nanocomposites", in Abstract Book of the 8th Hellenic Polymer Society Symposium, 24-29/10/2010, Crete, GREECE

27. Tsimliaraki A., I. Tsvintzelis, S.I Marras, I. Zuburtikudis, C. Panayiotou, (2010), "Foaming of PLA/clay nanocomposites in supercritical CO₂: The effect of clay surface chemistry on the final porous structure", 19th International Conference on Durability of Composite Systems, 12-15/9/2010, Patra, GREECE

28. Tsimliaraki A., I. Tsvintzelis, S.I Marras, I. Zuburtikudis, C. Panayiotou, (2010), "Foaming of PCL/clay nanocomposites in supercritical CO₂: The effect of nanocomposite fabrication route on the final porous structure", 19th International Conference on Durability of Composite Systems, 12-15/9/2010, Patra, GREECE

29. Tsimliaraki A., I. Tsvintzelis, S.I Marras, I. Zuburtikudis, C. Panayiotou, (2010), "Preparation of controlled-microporosity PLA/clay nanocomposite scaffolds", 4th Panhellenic Conference of the Hellenic Embiomechanics Society, pg. 155, 4-6/6/2010,

Ioannina, GREECE

30. Tsimpliaraki A., I. Tsvintzelis, S.I Marras, I. Zuburtikudis, C. Panayiotou, (2010), "Preparation and Foaming of Nanocomposites in Supercritical CO₂", in Abstract Book of the 12th European Meeting SCF, , 9-12 May 2010, Graz, AUSTRIA

31. Tsimpliaraki A., I. Tsvintzelis, S.I Marras, I. Zuburtikudis, C. Panayiotou, (2010), "Preparation and Foaming of Nanocomposites in Supercritical CO₂", in Abstract Book of the 12th European Meeting SCF, , 9-12 May 2010, Graz, AUSTRIA

32. Tsimpliaraki E., I. Tsvintzelis, S.I Marras, I. Zuburtikudis, C. Panayiotou, (2010), "Tailoring the porous structure of polymer/ clay nanocomposites by proper modification of the nanoclay's surface chemistry" in Book of Abstracts of COST Action 868: Understanding polymer (bio)functionalization at the nanoscale, 2-3/9/2010, Crete, GREECE

Book Chapters-2010

1. Al-Zuhair S., Biochemical catalytic production of biodiesel. In *Handbook of biofuels production: Processes and technologies*. R Luque, J. Campelo, J.H. Clark (Eds.) Woodhead publishing, Cambridge, UK, 2010

