

2009

Conference Papers-2009

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-Eishah, S.I. “Utilization of Salinity-Gradient Solar Ponds in Production of Fresh Water and Solar Salt from Inland and Coastal Areas”, Renewable Energy Workshop, Dubai June 1, 2009.
3. Abu-Eishah, S.I., Al Mansouri, H.A., “Assessment of Favorable Conditions and Potentials of Salinity Gradient in Solar Ponds (SGSPs) and the Production of Solar Salt along Abu Dhabi Coasts”. 10th Annual Research Conference (ARC10) of UAE University, April 13-16, 2009.
4. Al-Attar, H., “An experimental study on spontaneous capillary imbibition in representative carbonate cores from UAE,” The Tenth Annual UAE University Research Conference held in Al-Ain, UAE, April 13 – 16, 2009.
5. Al-Darmaki, N.,B. Al-Duri, T. Lu, R.C. D. Santos, J.B. Harris, T.L.F Favre and K. Bhaggan, “Phase Equilibria of Squalene, Oleic Acid and Palm Olein in Supercritical Carbon Dioxide ”, *Chemical Engineering Congress*, Montreal Canada, August 2009.
6. Al-Marzouqi, A.H., Awad, S., Hassan, A.H., “Clove extracts prepared by supercritical CO₂ and their anti-cancer activity”, 57th International Congress and Annual Meeting of the Society For Medicinal Plant and Natural Product Research, August 16-20, 2009, Geneva, Switzerland.
7. Al-Marzouqi, A.H., Awad, S., Hassan, A.H., “Clove extracts prepared by supercritical

<p>CO₂ and their anti-cancer activity”, 57th International Congress and Annual Meeting of the Society For Medicinal Plant and Natural Product Research, August 16-20, 2009, Geneva, Switzerland.</p>
<p>8. Al-Marzouqi, A.H., Azzam, A.A., Zekri, A.Y., “Supercritical Fluid Extraction of Hydrocarbons from Soil”, The 4th Joint KISR-JCCP Environment Symposium, February 2-4, 2009, Kuwait.</p>
<p>9. Al-Marzouqi, A.H., Azzam, A.A., Zekri, A.Y., “Supercritical Fluid Extraction of Hydrocarbons from Soil”, The 4th Joint KISR-JCCP Environment Symposium, February 2-4, 2009, Kuwait.</p>
<p>10. Al-Marzouqi, M,. "Modeling of CO₂ transport through hollow fiber Membrane Contactors" UAEU Specialty Symposium on Carbon Management, Al-Ain, 2009.</p>
<p>11. Al-Marzouqi, M. H. El-Naas, and Rami Faiz, Modeling of CO₂ Transport through Hollow Fiber Membrane Contactors, UAEU Specialty Symposium on Carbon Management, Al-Ain, 2009.</p>
<p>12. Al-Marzouqi, M and Rami Faiz, “Simultaneous removal of CO₂ and H₂S from natural gas in membrane contactors using carbonate solution: For industrial application” 10th UAEU Annual Research Conference, April, 2009, Al-Ain, UAE.</p>
<p>13. Al-Nakoua, M. A. and M. H. El-Naas, Methane Reforming Reactions in Small Channels, <i>International Conference on Chemical, Biological & Environmental Engineering (CBEE 2009)</i>, Singapore 2009.</p>
<p>14. Al-Neyadi, S.S.A., Rao, M.V., Al-Marzouqi, A.H., El Keblawy, A., “Composition and Quality of Cyprus Conglomeratus Seeds Obtained from the Sand Dunes of UAE”, The Tenth Annual UAE University Research Conference, April 2009, Al-Ain, U.A.E.</p>
<p>15. Al-Zuhair S., Kinetics of Heterogeneous Enzymatic Hydrolysis of Cellulose. 3rd Int. Conference on Modeling, Simulation and Applied Optimization, 2009 Sharjah, U.A.E</p>

<p>16. Azzam, A.A., Al-Marzouqi, A.H., Zekri, A.Y., “Remediation of Hydrocarbons from Contaminated Sediment Using Supercritical Carbon Dioxide”, The Tenth Annual UAE University Research Conference, April 2009, Al-Ain, U.A.E.</p>
<p>17. El-Keblawy, A., Rao, M.V., Al-Marzouqi, A.H., Al Neyadi, S.S.A., “Germination Ecology of Indigenous Cyperus Conglomeratus Seeds: a Sand Dunes Binder”, The Tenth Annual UAE University Research Conference, April 2009, Al-Ain, U.A.E.</p>
<p>18. El-Keblawy, A., Rao, M.V., Al-Marzouqi, A.H., Al Neyadi, S.S.A., “Germination Ecology of Indigenous Cyperus Conglomeratus Seeds: a Sand Dunes Binder”, The Tenth Annual UAE University Research Conference, April 2009, Al-Ain, U.A.E.</p>
<p>19. El-Naas M.H., S. Al-Zuhair, A. Al-Lobaney, S. Makhlof, Treatment of Refinery Wastewater by Electrocoagulation. <i>10th Annual UAE University Research Conference</i>, 2009, Al-Ain, UAE</p>
<p>20. El-Naas, M. H., A. H. Al-Marzouqi and O. Chaalal, CO₂ Capture and Storage through Reactions with Seawater, UAEU Specialty Symposium on Carbon Management, Al-Ain, 2009.</p>
<p>21. El-Naas, M. H., An Active Learning Approach to Teaching Water Desalination". <i>International Conference on Education, Research and Innovation</i>, Madrid, Spain 2009.</p>
<p>22. El-Naas, M. H., S. Al-Zuhair, Amal Lobani, and S. Makhlof, Treatment of Refinery Wastewater by Electrocoagulation, UAEU Research Conference, Al-Ain, 2009. .</p>
<p>23. El-Naas, M. H., S. Al-Zuhair, Amal Lobani, and S. Makhlof, Treatment of Refinery Wastewater by Electrocoagulation, UAEU Research Conference, Al-Ain, 2009. .</p>
<p>24. El-Naas, M. H., S. Al-Zuhair, S. Abdulla, and S. Makhlof, Phenol Bioremoval Using Spouted Bed Bioreactor, <i>The 8th World Congress of Chemical Engineering</i>, Montreal 2009.</p>
<p>25. Emadi, F., Awad, S., Al-Marzouqi, A.H., Rizvi, T.A., Al-Marzouqi, A.H., “Anti-Cancer</p>

Compounds within the Clove Extract”, The Tenth Annual UAE University Research Conference, April 2009, Al-Ain, U.A.E.
26. Emadi, F., Awad, S., Al-Marzouqi, A.H., Rizvi, T.A., Al-Marzouqi, A.H., “Anti-Cancer Compounds within the Clove Extract”, The Tenth Annual UAE University Research Conference, April 2009, Al-Ain, U.A.E.
27. Ghasem, G., M. Al-Marzouqi, and M. H. El-Naas, Teaching Chemical Engineering Processes Simulation, <i>International Conference on Education, Research and Innovation</i> , Madrid, Spain 2009.
28. Ghasem, N., Mohamed Al-Marzouqi, and Muftah El-Naas, “Teaching chemical engineering processes simulation using gPROMs software”, International Conference of Education Research and Innovation (ICERI 2009), 16-18, November, 2009, Madrid, Spain.
29. Ghasem, N., Mohamed Al-Marzouqi, and Muftah El-Naas, “Teaching chemical engineering processes simulation using gPROMs software”, International Conference of Education Research and Innovation (ICERI 2009), 16-18, November, 2009, Madrid, Spain.
30. Ghasem, N., Mohamed Al-Marzouqi, Muftah El-Naas, “Effect of temperature and shear rate on PVDF solutions viscosity”, 10th UAEU Annual Research Conference, April, 2009, Al-Ain, UAE.
31. Ghasem, N., Mohamed Al-Marzouqi, Muftah El-Naas, “Effect of temperature and shear rate on PVDF solutions viscosity”, 10th UAEU Annual Research Conference, April, 2009, Al-Ain, UAE.
32. Ghasem, N., Mohamed Al-Marzouqi, Muftah El-Naas, “Simulation of CO ₂ Capture from Flue Gases in Hollow Fiber Membrane Contactor with Amine Solutions”, 10th UAEU Annual Research Conference, April, 2009, Al-Ain, UAE.
33. Ghasem, N., Mohamed Al-Marzouqi, Muftah El-Naas, “Simulation of CO ₂ Capture

<p>from Flue Gases in Hollow Fiber Membrane Contactor with Amine Solutions”, 10th UAEU Annual Research Conference, April, 2009, Al-Ain, UAE.</p>
<p>34. Ghasem, N.M., A. W. Lee, M. A. Hussain , Effect of operating conditions on the stability of the multizone circulating reactor used for olefin polymerization, proceedings of the Third International Conference on Modeling, Simulation and Applied Optimization Sharjah, UAE, January 20-22 2009</p>
<p>35. Ghasem, N.M., M. H. Al-Marzouqi, M.H. El-Naas, Simulation of CO₂ Capture from Flue Gases in Hollow Fiber Membrane, The Tenth Annual U.A.E. University Research Conference, 13-16th April, 2009</p>
<p>36. Ghasem, N.M., Mohamed Al-Marzouqi, Use of gPROMs in solving chemical engineering problems. Proceedings of ICERI2009 Conference. 16th-18th Nov 2009, Madrid, Spain. ISBN: 978-84-613-2955-7.</p>
<p>37. Ghasem, N.M., Mohamed H. Al-Marzouqi, Muftah H. El-Naas. Synthesis of various polymeric adhesives using fatty acid and diamines, The Tenth Annual U.A.E. University Research Conference, 13-16th April, 2009.</p>
<p>38. Ghasem, N.M., Synthesis of various polymeric adhesives using fatty acid and diamines under vacuum operating pressures, The Tenth Annual U.A.E. University Research Conference, 13-16th April, 2009</p>
<p>39. Jobe, B., Afifi, H., Kassama, L., Al-Marzouqi, A.H., “Application of Response Surface Methodology and Central Composite Rotatable Design for Optimization of Supercritical Fluid Extraction of Lipids from Date Pits”, 9th International Symposium on Supercritical Fluids, May 18-20, 2009, Bordeaux, France.</p>
<p>40. Jobe, B., Afifi, H., Kassama, L., Al-Marzouqi, A.H., “Application of Response Surface Methodology and Central Composite Rotatable Design for Optimization of Supercritical Fluid Extraction of Lipids from Date Pits”, 9th International Symposium on Supercritical Fluids, May 18-20, 2009, Bordeaux, France.</p>

41. Nakoua, M. A. and M. H. El-Naas, Characterization of Thin Film Ni/Al₂O₃ Catalysts for Use in Plate Reactors, The 10th UAEU Annual Research Conference, Al-Ain, April 2009

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43. Papadopoulou S. K., Anastasios Kypriotis, Ioannis Karapanagiotis, Ioannis Zuburtikudis and Costas Panayiotou, (2009), "Efficacy of hydrophobic polymeric coatings and superhydrophobic nanoparticle based composite films for the protection of stone", 25th PanHellenic Conference on Solid State Physics & Materials Science, pg. 208, 20-23 September 2009, Thessaloniki, GREECE

44. Tsimpliaraki A., I. Tsvintzelis, I. Zuburtikudis, S.I Marras, L. Papadopoulou, C. Panayiotou, (2009), "Porous microcellular nanocomposites of poly(DL-lactic acid)/organically modified montmorillonite – The role of alkyammonium type and its cation concentration during the filler's modification", in Abstract Book of the 6th International Conference on Nanosciences & Nanotechnologies(NN09), (pg216), 13-15/7/2009, Thessaloniki, GREECE

45. Zekri, A., Shedid, A.S., Almehaideb, R., "Sulfur and Asphaltene Deposition during CO₂ Flooding of Carbonate Reservoirs," paper SPE 118825 proceeding of the 2009 SPE Middle East Oil & Gas Show and Conference held in the Bahrain International Exhibition Centre, Kingdom of Bahrain, March 2009.

46. Zuburtikudis I., S.I. Marras, E. Panayotidou and K. Tornikidou, (2009), "Biodegradable Poly(3-hydroxybutyrate)/Layered Silicate Nanocomposites through melt intercalation", in Book of Abstracts of COST Action 868: Biotechnology and Biopolymers in Textile packaging, Cosmetics and Medical Applications, 19-20/2/2009, Istanbul, TURKEY.

Book Chapters-2009

1. Zaidi, J. S. M., M. Abdur Rauf, Fuel Cell Fundamentals, In *Polymer Membranes for Fuel Cells*. S. M. Javaid Zaidi, T. Matsuura (Eds.)Springer US, 2009

Patents-2009

1. Marzouk, S, Mohamed H. Al-Marzouqi. "APPARATUS FOR H₂S DETERMINATION IN GAS STREAMS ", US patent application number: 2010-45429 2009.