

Curriculum Vitae

ALI HUMAID MOHAMED HASSAN AL-MARZOUQI

Chemical and Petroleum Engineering Department	(9713) 7135122 (office)
UAE University	(97150) 6630810 (mobile)
P.O. Box 15551	(9713) 7134985 (fax)
Al-Ain	E-mail: hassana@uaeu.ac.ae
United Arab Emirates	www.engg.uaeu.ac.ae/Hassana

Education

- Ph.D., "Phase Behavior of Multicomponent Mixtures of Complex Molecules in Supercritical Fluids", Chemical Engineering, Oregon State University, Corvallis, OR, U.S.A., June 1997, GPA: 3.8/4.0
- B.Sc., Chemical Engineering, University of Washington, Seattle, WA, U.S.A., December 1991, GPA: 3.29/4.0

Career History

- Visiting Scholar, School of Chemical Engineering, Purdue University, West Lafayette, Indiana, USA, August 2014-present.
- Assistant Dean for Research and Graduate Studies, College of Engineering, United Arab Emirates University, Al-Ain, United Arab Emirates, September 2007-August 2014.
- Assistant Dean for Research, College Of Engineering, United Arab Emirates University, Al-Ain, United Arab Emirates, September 2004-August 2007.
- Associate Professor, Chemical & Petroleum Engineering Department, United Arab Emirates University, Al-Ain, United Arab Emirates, September 2007-present.
- Assistant Professor, Chemical & Petroleum Engineering Department, United Arab Emirates University, Al-Ain, United Arab Emirates, September 2000-August 2007.
- Visiting Scholar, Department of Food Science, Swedish University of Agricultural Sciences and Department of Analytical Chemistry, Uppsala University, Uppsala, Sweden, June-July 2008.
- Visiting Scholar, Chemistry Department, University of British Columbia, Vancouver, Canada, June-August 2007.
- Visiting Scholar, Chemical Engineering Department, University of Birmingham, Birmingham, UK, June-August 2006.
- Visiting Scholar, Department of Pharmaceutical Sciences, University of Florence, Florence, Italy, June-August 2005.
- Visiting Scholar, Tohoku University, Sendai, Japan, June-August 2004.
- Visiting Scholar, US Environmental Protection Agency, Cincinnati, USA, June-August 2002.
- Instructor, Chemical Engineering Department, Oregon State University, Corvallis, OR, U.S.A., September 1997-June 2000.
- Research Assistant, Chemical Engineering Department, Oregon State University, Corvallis, OR, U.S.A., April 1992-June 1997.

Research Interests

- Supercritical Fluid Technology
- Food and Pharmaceutical Processes
- Nanoparticles
- Biofuels
- Environmental Remediation

Patents

1. **Al-Marzouqi, A.H.**, Al Ahmad, M., Al Jabri, M., Al Dhaheri, S., Al Ameri, G., "Device For Providing Buoyancy", Application no. PCT/IB2014/064559.
2. Al-Zuhair, S., **Al-Marzouqi, A.H.**, Hashim, I., Taher, H.E., "Biodiesel Production", US Patent 2014/0075828 A1.

Journal Publications

1. Taher, H., Al-Zuhair, S., **Al-Marzouqi, A.H.**, Haik, Y., Farid, M., "Mass transfer modeling of *Scenedesmus* sp. Lipids extracted by supercritical CO₂", Biomass and Bioenergy, in press.
2. Taher, H., Al-Zuhair, S., **Al-Marzouqi, A.H.**, Haik, Y., Farid, M., "Growth of microalgae using CO₂ enriched air for biodiesel production in supercritical CO₂", Renewable Energy, in press.
3. Taher, H., Al-Zuhair, S., **Al-Marzouqi, A.H.**, Haik, Y., Farid, M., "Enzymatic Biodiesel Production of Microalgae Lipids under Supercritical Carbon Dioxide: Process Optimization and Integration", Biochemical Engineering Journal, in press.
4. Taher, H., Al-Zuhair, S., **Al-Marzouqi, A.H.**, Haik, Y., Farid, M., "Effective extraction of microalgae lipids from wet biomass for biodiesel production", Biomass and Bioenergy, 66, 159-167 (2014).
5. Taher, H., Al-Zuhair, S., **Al-Marzouqi, A.H.**, Haik, Y., Farid, M., Tariq, S., "Supercritical carbon dioxide extraction of microalgae lipid: Process optimization and laboratory scale-up", Journal of Supercritical Fluids, 86, 57-66 (2014).
6. Hashim, I.B., Al Nuaimi, S., Afifi, H.S., Taher, H., Al-Zuhair, S., **Al-Marzouqi, A.H.**, "Quality characteristics of low fat lamb meat produced by supercritical carbon dioxide extraction", Global Journal of Biology, Agriculture & Health Sciences, 2(1), 5-9 (2013).
7. Khaleel, A., Shehadi, I., **Al-Marzouqi, A.H.**, "Unique textural properties of titanium-doped alumina via sol-gel synthesis under non-acidic conditions", Materials Letters, 68, 11-13 (2012).
8. Al-Zuhair, S., Hussein, A., **Al-Marzouqi, A.H.**, Hashim, I., "Continuous production of biodiesel from fat extracted from lamb meat in supercritical CO₂ media", Biochemical Engineering Journal, 60, 106-110 (2011).
9. Taher, H., Al-Zuhair, S., **Al-Marzouqi, A.H.**, Haik, Y., Farid, M.M., "A Review of Enzymatic Transesterification of Microalgal Oil-Based Biodiesel Using Supercritical Technology", Enzyme Research, 2011, Article ID 468292, doi:10.4061/2011/468292.
10. Khaleel, A., Shehadi, I., **Al-Marzouqi, A.H.**, "Catalytic Conversion of Chloromethane to Methanol and Dimethyl Ether over Mesoporous γ -alumina", Fuel Processing Technology, 92, 1783-1789 (2011).
11. El Keblawy, A., Al Neyadi, S.S., Rao, M.V., **Al-Marzouqi, A.H.**, "Interactive Effects of Salinity, Light and Temperature on Seed Germination of Sand Dunes

- Glycophyte *Cyperus Conglomeratus* Growing in the United Arab Emirates Deserts", *Seed Science & Technology*, 39, 364-376 (2011).
12. Taher, H., Al-Zuhair, S., **Al-Marzouqi, A.H.**, Hashim, I., "Extracted Fat from Lamb Meat by Supercritical CO₂ as Feedstock for Biodiesel Production", *Biochemical Engineering Journal*, 55, 23-31 (2011).
 13. Ashraf, S.S., Rao, M.V., Kaneez, F.S., **Al-Marzouqi, A.H.**, Qadri, S., Chandranath, I.S., Adem, A., "Nigella sativa Extract as a Potent Antioxidant for Petrochemical Pollutant-Induced Oxidative Stress", *Journal of Chromatographic Science*, 49 (4), 321-326 (2011).
 14. El-Naas, M.H., **Al-Marzouqi, A.H.**, Chaalal, O., "A combined Approach for the Management of Desalination Reject Brine and Capture of CO₂", *Desalination*, 251, 70-74 (2010).
 15. Gadermann, M., Kular, S., **Al-Marzouqi, A.H.**, Signorell, R., "Formation of naproxen/polylactic acid nanoparticles from supercritical solutions and their characterization in the aerosol phase", *Physical Chemistry Chemical Physics*, 11, 7861-7868 (2009).
 16. **Al-Marzouqi, A.H.**, Elwy, H.M., Shehadi, I., Adem, A., "Physicochemical Properties of Antifungal Drug-Cyclodextrin Complexes Prepared by Supercritical Carbon Dioxide and by Conventional Techniques", *Journal of Pharmaceutical and Biomedical Analysis*, 49, 227-233 (2009).
 17. **Al-Marzouqi, A.H.**, Zekri, A.Y., Azzam, A.A., Dowaidar, A., "Hydrocarbon Recovery from Porous Media using Supercritical Fluid Extraction", *Journal of Porous Media*, 12 (6), 489-500 (2009).
 18. **Al-Marzouqi, A.H.**, Solieman, A., Shehadi, I., Adem, A., "Influence of the Preparation Method on the Physicochemical Properties of Econazole- β -Cyclodextrin Complexes", *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 60, 85-93 (2008).
 19. Hassan, H.A., **Al-Marzouqi, A.H.**, Hamza, A.A., Jobe, B., Ramadan, G.A., "Enhancement of Dissolution Amount and in Vivo Bioavailability of Itraconazole by Complexation with β -Cyclodextrin Using Supercritical Carbon Dioxide", *Journal of Pharmaceutical and Biomedical Analysis*, 45, 243-250 (2007).
 20. Rao, M.V., **Al-Marzouqi, A.H.**, Kaneez, F.S., Ashraf, S., Adem, A., "Comparative Evaluation of SFE and Solvent Extraction Methods on the Yield and Composition of Black Seeds (*Nigella Sativa*)", *Journal of Liquid Chromatography & Related Technologies*, 30, 2545-2555 (2007).
 21. **Al-Marzouqi, A.H.**, Jobe, B., Corti, G., Cirri, M., Mura, P., "Physicochemical Characterization of Drug-Cyclodextrin Complexes Prepared by Supercritical Carbon Dioxide and by Conventional Techniques", *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 57, 223-231 (2007).
 22. **Al-Marzouqi, A.H.**, Rao, M.V., Jobe, B., "A Comparative Evaluation of SFE and Steam Distillation Methods on the Yield and Composition of Essential Oil Extracted from Spearmint (*Mentha Spicata*)", *Journal of Liquid Chromatography & Related Technologies*, 30, 463-475 (2007).
 23. **Al-Marzouqi, A.H.**, Jobe, B., Dowaidar, A., Maestrelli, F., Mura, P., "Evaluation of Supercritical Fluid Technology as Preparative Technique of Benzocaine-Cyclodextrin Complexes – Comparison with Conventional Methods", *Journal of Pharmaceutical and Biomedical Analysis*, 43, 566-574 (2007).
 24. **Al-Marzouqi, A.H.**, Zekri, A.Y., Jobe, B., "Supercritical Fluid Extraction for the Determination of Optimum Oil Recovery Conditions", *Journal of Petroleum Science and Engineering*, 55, 37-47 (2007).
 25. **Al-Marzouqi, A.H.**, Shehatta, I., Jobe, B., Dowaidar, A., "Phase Solubility and Inclusion Complex of Itraconazole with β -Cyclodextrin Using Supercritical Carbon Dioxide", *Journal of Pharmaceutical Sciences*, 95 (2), 292-304 (2006).

26. Shehatta, I., **Al-Marzouqi, A.H.**, Jobe, B., Dowaidar, A., "Enhancement of Aqueous Solubility of Itraconazole by Complexation with Cyclodextrins Using Supercritical Carbon Dioxide", Canadian Journal of Chemistry, 83 (10), 1833-1838 (2005).
27. **Hassan, A.**, Tang, Y., Ayres, J., "Itraconazole Formation Using Supercritical Carbon Dioxide," Drug Development and Industrial Pharmacy, 30 (10), 1029-1035 (2004).
28. **Hassan, A.**, Levien, K., Morrell, J.J., "Modeling Phase Behavior of Multicomponent Mixtures of Wood Preservatives in Supercritical Carbon Dioxide with Cosolvents," Fluid Phase Equilibria, 179, 5-22 (2001).
29. Sahle-Demessie, E., **Hassan, A.**, Levien, K., Kumar, S., Morrell, J.J., "Supercritical Carbon Dioxide Treatment: Effect on Permeability of Douglas-Fir Heartwood," Wood and Fiber Science, 27 (3), 296-300 (1995).

Conference Presentations & Oral Talks

1. Sivaloganathan, S., **Al-Marzouqi, A.H.**, "Innovative teaching of product design and development in an engineering management program", 121st ASEE Annual Conference & Exposition, June 15-18, 2014, Indianapolis, IN, USA.
2. Taher, H., Al-Zuhair, S., **Al-Marzouqi, A.H.**, Haik, Y., Farid, M., "Effectiveness of Enzymatic Biodiesel Production from Microalga Oil in Supercritical Carbon Dioxide", The 3rd International Conference on Renewable Energy: Generation and Applications, March 2-5, 2014, Al-Ain, U.A.E.
3. Nabag, M., Fardoun, A., Hejase, H., **Al-Marzouqi, A.H.**, "Review of Dynamic Electric Circuit Models for PEM Fuel Cells", The 3rd International Conference on Renewable Energy: Generation and Applications, March 2-5, 2014, Al-Ain, U.A.E.
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. 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.
6. Abbaszadegan, S., **Al-Marzouqi, A.H.**, Salem, A.A., Amin, A., "Physicochemical Characterization of Safranin- 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.
7. Yousif, S.M., **Al-Marzouqi, A.H.**, Mohsin, M.A., "Microencapsulation of Non-steroidal Anti-inflammatory Drugs into Biodegradable Polymers using Supercritical Fluid Technology", 5th Asian Particle Technology Symposium (APT2012), July 2-5, 2012, Singapore.
8. Azzam, A.A., **Al-Marzouqi, A.H.**, Zekri, A.Y., "Remediation of soil contaminated with crude oil using supercritical CO₂", The 3rd International Multi-Conference on Engineering and Technological Innovation, June 29-July 2, 2010, Orlando, USA.
9. **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.
10. 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.

11. Rao, M.V., **Al-Marzouqi, A.H.**, "HPLC and LCMS Determination of Genotoxic and Carcinogenic Polycyclic Aromatic Hydrocarbons in Soil and Sediments", Pittcon Conference and Exposition, March 8-13, 2009, Chicago, IL, U.S.A.
12. **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.
13. 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.
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.
15. Rao, M.V., Meetani, M.A., **Al-Marzouqi, A.H.**, "HPLC and LCMS Determination of Genotoxic and Carcinogenic Polycyclic Aromatic Hydrocarbons in Contaminated Soils and Sediments", The Tenth Annual UAE University Research Conference, April 2009, Al-Ain, U.A.E.
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.
17. 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.
18. El-Naas, M.H., **Al-Marzouqi, A.H.**, Chaalal, O., "CO₂ Capture and Storage through Reactions with Seawater", The Tenth Annual UAE University Research Conference, April 2009, Al-Ain, U.A.E.
19. **Al-Marzouqi, A.H.**, Azzam, A.A., Zekri, A.Y., "Extraction of Hydrocarbons from Porous Media using Pure and Modified Supercritical CO₂", The Tenth Annual UAE University Research Conference, April 2009, Al-Ain, U.A.E.
20. **Al-Marzouqi, A.H.**, Jobe, B., Shehatta, I., Hassan, H.A., Hamza, A.A., "Complexation of Itraconazole with Cyclodextrins for Enhanced Solubility, Dissolution and Bioavailability", 2nd World Conference on Magic Bullets (EHRlich II), October 3-5, 2008, Nurnberg, Germany.
21. Tang, Z.-R., Bartley, J.K., Davies, T.E., Taylor, S.H., Dickinson, C., Claridge, J.B., Rosseinsky, M.J., Lu, T., Leeke, G.A., Blackburn, S., **Al-Marzouqi, A.H.**, Axon, S., Hutchings, G.J., "Preparation of TiO₂ as a Catalyst Support using Supercritical Antisolvent Precipitation", 14th ICC, July 13-18, 2008, Seoul, Korea.
22. **Al-Marzouqi, A.H.**, Elwy, H.M., Shehadi, I., Adem, A., "Physicochemical Properties of Antifungal Drug-Cyclodextrin Complexes Prepared by Supercritical Carbon Dioxide and by Conventional Techniques", 11th European Meeting on Supercritical Fluids, May 4-7, 2008, Barcelona, Spain.
23. **Al-Marzouqi, A.H.**, Elwy, H.M., Shehadi, I., Adem, A., "Effect of Preparation Method on Physicochemical Properties of Antifungal Drug-Cyclodextrin Complexes – Comparison between Supercritical Carbon Dioxide and Conventional Methods", 1st International Conference on Drug Design & Discovery, February 4-7, 2008, Dubai, UAE.
24. **Al-Marzouqi, A.H.**, Zekri, A.Y., Azzam, A.A., Dowaidar, A., "Hydrocarbon Recovery from Porous Media and Reduction of Asphaltene Deposition during CO₂ Extraction Process", The 2nd International Conference on Porous Media and its Applications in Science, Engineering and Industry, June 17-22, 2007, Hawaii, USA.
25. El-Naas, M.H., Chaalal, O., **Al-Marzouqi, A.H.**, "CO₂ Capture through Reactions with Desalination Reject Brine", Clean Air 2007, July 2-7, Portugal.

26. Chaalal, O., El-Naas, M.H., **Al-Marzouqi, A.H.**, "A Simple Global Warming Solution in a Novel Technique of Natural Gas Sweetening and Formation Water Desalting", Clean Air 2007, July 2-7, Portugal.
27. Angeles, M., **Al-Marzouqi, A.H.**, Al-Duri, B., Santos, R.C.D., "Catalytic Supercritical Water Oxidation of DBU", First Iberoamerican Conference on Supercritical Fluids - Prosciba 2007, April 10-13, 2007, Iguassu Falls, Brazil.
28. **Al-Marzouqi, A.H.**, Zekri, A.Y., Jobe, B., Dowaidar, A., "Extraction of Hydrocarbons from Soil and Rocks Using Carbon Dioxide, The 68th EAGE Conference & Exhibition, June 12-15, 2006, Vienna, Austria.
29. **Al-Marzouqi, A.H.**, Jobe, B., Corti, G., Cirri, M., Mura, P., "Physicochemical characterization of drug-cyclodextrin complexes prepared by supercritical carbon dioxide and by conventional techniques", XIII International Cyclodextrin Symposium, May 14-17, 2006, Torino, Italy.
30. **Al-Marzouqi, A.H.**, Jobe, B., Dowaidar, A., Maestrelli, F., Mura, P., "Evaluation of supercritical fluid technology as preparative technique of benzocaine-cyclodextrin complexes - comparison with conventional methods", XIII International Cyclodextrin Symposium, May 14-17, 2006, Torino, Italy.
31. **Al-Marzouqi, A.H.**, Shehatta, I., Jobe, B., Dowaidar, A., "Enhancement of Aqueous Solubility of Itraconazole by Complexation with Cyclodextrins", Pharmaceutical Sciences Fair & Exhibition, June 12-17, 2005, Nice, France.
32. **Al-Marzouqi, A.H.**, Zekri, A.Y., Jobe, B., "Supercritical Fluid Extraction for the Determination of Optimum Oil Recovery Conditions", Kuwait Oil and Gas Conference and Exhibition, March 7-9, 2005, Kuwait.
33. **Al-Marzouqi, A.H.**, Shehatta, I., Jobe, B., Dowaidar, A., "Enhancement of Aqueous Solubility of Itraconazole by Complexation with β -Cyclodextrin Using Supercritical Carbon Dioxide", The 2nd International Meeting on Medical and Pharmaceutical Chemistry (IMMPC-2), October 10-14, 2004, Antalya, Turkey.
34. **Al-Marzouqi, A.H.**, A. Busamra, F. Mohammed, Sh. Al-Shehhi, W. Abdulwahab, "An Absorbent-Skimmer Method to Clean-up Oil Spills", Second International Conference on Remediation of Contaminated Sediments, September 30-October 3, 2003, Venice, Italy.
35. **Al-Marzouqi, A.H.**, A. Busamra, F. Mohammed, Sh. Al-Shehhi, W. Abdulwahab, "A Novel Absorbent-Skimmer Technology for Cleaning Oil Spills", Sixth International Conference on Computer Modeling and Experimental Measurements of Seas and Coastal Regions (COASTAL ENGINEERING VI), June 23-25, 2003, Cadiz, Spain.
36. **Hassan, A.**, Y. Tang, J. Ayres, "Itraconazole Formation Using Supercritical Carbon Dioxide", American Institute of Chemical Engineers (AIChE) Annual Meeting, November 12-17, 2000, Los Angeles, CA, U.S.A.
37. **Hassan, A.**, K. Levien, J. J. Morrell, "Modeling Phase Behavior of Multicomponent Mixtures of Wood Preservatives in Supercritical Carbon Dioxide with Cosolvents", American Institute of Chemical Engineers (AIChE) Annual Meeting, November 1996, Chicago, IL, U.S.A.
38. **Hassan, A.**, K. Levien, J. J. Morrell, "Phase Behavior of Binary and Ternary Mixtures of Wood Preservatives in Supercritical CO₂ and Cosolvent", American Institute of Chemical Engineers (AIChE) Annual Meeting, November 1994, San Francisco, CA, U.S.A.
39. El-Naas, M.H., Chaalal, O., **Al-Marzouqi, A.H.**, "Controlling CO₂ Emission through Reactions with High Salinity Wastewater", Waste Management and Minimization Congress, May 28-29, 2007, Dubai, U.A.E.
40. **Al-Marzouqi, A.H.**, Elwy, H.M., Adem, A., Shehadi, I., "Physicochemical Properties of Antifungal Drug-Cyclodextrin Complexes Prepared by Supercritical

- Carbon Dioxide – Comparison with Conventional Methods”, The Ninth Annual UAE University Research Conference, April 2008, Al-Ain, U.A.E.
41. Adel A. Azzam, **Al-Marzouqi, A.H.**, Zekri, A.Y., “Extraction of Hydrocarbons and Minimizing Organic Deposits from Crude Oil using CO₂”, The Ninth Annual UAE University Research Conference, April 2008, Al-Ain, U.A.E.
 42. **Al-Marzouqi, A.H.**, Adem, A., Shehadi, I., Soleiman, A., Dowaidar, A., Jobe, B., “Influence of the Preparation Method on the Physicochemical Properties of Econazole-Cyclodextrin Complexes”, The Eighth Annual UAE University Research Conference, April 2007, Al-Ain, U.A.E.
 43. Kaneez, F.S., Rao, M.V., Ashraf, S., **Al-Marzouqi, A.H.**, Qadri, S., Chandranath, I.S., Adem, A., “In vitro and in vivo Studies of Super Critical Fluid Extracted Nigella Sativa as an Antioxidant in Petrochemical Pollutant-Induced Oxidative Stress”, The Eighth Annual UAE University Research Conference, April 2007, Al-Ain, U.A.E.
 44. El-Naas, M.H., Chaalal, O., **Al-Marzouqi, A.H.**, “Management of Desalination Reject Brine through Reactions with CO₂”, The Eighth Annual UAE University Research Conference, April 2007, Al-Ain, U.A.E.
 45. El-Naas, M.H., Dowaidar, A., **Al-Marzouqi, A.H.**, Chaalal, O., “Evaluation of the Solubility of NaHCO₃ in High Salinity Aqueous Solutions”, The Eighth Annual UAE University Research Conference, April 2007, Al-Ain, U.A.E.
 46. Awad, S., Al-Marzouqi, A., **Al-Marzouqi, A.H.**, Rizvi, T.A., “Anti-cancer Activities of Indigenous UAE Herbs Extracted by Supercritical Carbon Dioxide: From Identification to Mechanisms of Action”, The Eighth Annual UAE University Research Conference, April 2007, Al-Ain, U.A.E. Received the Research Project Award for this interdisciplinary project.
 47. **Al-Marzouqi, A.H.**, Rao, M.V., Jobe, B., “A Comparative evaluation of SFE and steam distillation methods on the yield and composition of essential oil extracted from Spearmint (*Mentha spicata*)”, The Seventh Annual UAE University Research Conference, April 2006, Al-Ain, U.A.E. Received the Research Project Award for this non-funded project.
 48. **Al-Marzouqi, A.H.**, Adem, A., Hassan, H.A., Shehadi, I., Solieman, A., Dowaidar, A., Jobe, B., “Enhancement of Solubility, Stability, Dissolution Rate, and Bioavailability of Poorly Water-soluble Antifungal Drugs by Complexation with Cyclodextrins”, The Seventh Annual UAE University Research Conference, April 2006, Al-Ain, U.A.E.
 49. Kaneez, F.S., Rao, M.V., Ashraf, S., Adem, A., **Al-Marzouqi, A.H.**, “In Vitro and In Vivo Animal Studies of Nigella Sativa Extract as an Antioxidant in Petrochemical Pollutant Induced Oxidative Stress”, The Seventh Annual UAE University Research Conference, April 2006, Al-Ain, U.A.E.
 50. **Al-Marzouqi, A.H.**, Jobe, B., “Effect of Supercritical CO₂ on Yield and Composition of Mint Oil”, The Sixth Annual UAE University Research Conference, April 2005, Al-Ain, U.A.E.
 51. Hassan, H.A., **Al-Marzouqi, A.H.**, Hamza, A.A., Jobe, B., Dowaidar, A., “In Vivo Bioavailability of Itraconazole- β -cyclodextrin Complex”, The Sixth Annual UAE University Research Conference, April 2005, Al-Ain, U.A.E.
 52. Zaidi, A.S., Jassim, A., Mohsen, F., Hussain, M., **Al-Marzouqi, A.H.**, “Design of an Effective Remediation Method for Hydrocarbon Contaminated Soil”, The Sixth Annual UAE University Research Conference, April 2005, Al-Ain, U.A.E.
 53. Ashour, I., **Al-Marzouqi, A.H.**, “Supercritical Fluid Technology”, Seminar on Technology Transfer & Retention, Engineering Day (ENGEX 2004), UAE University, April 2004, Al-Ain, U.A.E.
 54. **Al-Marzouqi, A.H.**, I. Shehatta, B. Jobe, A. Dowaidar, “Phase Solubility and Inclusion Complex of Itraconazole with β -Cyclodextrin Using Supercritical Carbon

Dioxide, The Fifth Annual UAE University Research Conference, April 2004, Al-Ain, U.A.E.

55. Ashour, I., **Al-Marzouqi, A.H.**, Hussein, E.S.H., "Supercritical Fluid Extraction of Natural Products from Local Plants", The Fifth Annual UAE University Research Conference, April 2004, Al-Ain, U.A.E.
56. Ashour, I., **Al-Marzouqi, A.H.**, "Evaluation of Supercritical Fluid-Essential Oil Components Published Data and Thermodynamic Modeling", The Fourth Annual UAE University Research Conference, April 2003, Al-Ain, U.A.E.
57. **Al-Marzouqi, A.H.**, M. El-Naas, H. Hassan, I. Shehatta, A. Dowaidar, "Enhancement of Solubility, Stability, Dissolution Rate, and Bioavailability of Poorly Water-Soluble Antifungal and Antiviral Drugs by Complexation with Cyclodextrins", The Fourth Annual UAE University Research Conference, April 2003, Al-Ain, U.A.E.
58. **Al-Marzouqi, A.H.**, A. Busamra, F. Mohammed, Sh. Al-Shehhi, W. Abdulwahab, "An Absorbent-Skimmer Method to Clean-up Oil Spills", The Fourth Annual UAE University Research Conference, April 2003, Al-Ain, U.A.E.

Note: I used the name **Hassan, A.** in presentations prior to 2003 and have been using **Al-Marzouqi, A.H.** in later presentations.