In the Name of GOD

Mohammad H. Eikani Curriculum Vitae (CV)

Personal information

Family name	Eikani	
First name	Mohammad H.	
Date of birth	Dec 31, 1965	
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Contact information

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Education

Scientific Field	**Academic Degree**	**University**	**Year**
Chemical Engineering	B.Sc.	Amirkabir Univ. of Technology, Tehran, I.R.Iran	1988
Chemical Engineering	M.Sc.	Amirkabir Univ. of Technology, Tehran, I.R.Iran	1991
Chemical Engineering	Ph.D.	Sharif Univ. of Technology, Tehran, I.R.Iran	1998

Dissertation

Academic Degree	**Title**	**Year**
B.Sc.	Pectin Extraction and Purification	1988
M.Sc.	Ultrafiltration of Whey: Modeling and Simulation	1991
Ph.D.	Supercritical CO_2 Extraction of Essential Oils	1998

Honors and Awards

1. Winner of *the 11th Khwarizmi International Award (KIA)*, Applied Research, Feb. 1998, Tehran, I.R. Iran.
Project Title: "Supercritical CO_2 Extraction of Essential Oils from Medicinal Plants"
2. Delegate of I.R. Iran in The First General Assembly of World Academy of Young Scientists (WAYS), UNESCO, Marrakech, Morocco, Dec 2004, 11-13.
3. Distinguished Researcher of Iranian Research Organization for Science and Technology (IROST), Tehran, I.R. Iran, 2008.

Editorial Activities

1. Editor-in-Chief of the journal of *Innovative Food Technologies*, Published by Iranian Research Organization for Science and Technology (IROST).
2. Editorial Board of the journal of *Transport Phenomena in Nano and Micro Scales*, Co-published by IROST and Sistan and Balochestan University.
3. Editorial Board of the *Iranian Journal of Hydrogen and Fuel Cell*, Published by Iranian Research Organization for Science and Technology (IROST).

Principal Research Areas and Teaching Interests

- Innovative Food Technologies
- Advanced Separation Technologies
- Nanotechnology
- Renewable Energy Resources (incl. Hydrogen and Fuel Cells)

List of Publications

A. Journal Publications

A1. Journal Papers (ISI / ISC)

1. Goodarznia, I. and Eikani, M.H., Supercritical carbon dioxide extraction of Essential oils: modeling and simulation. *Chemical Engineering Science*, 53(7) 1387-1395, 1998.
2. Eikani, M.H., Goodarznia, I. and Mirza, M., Supercritical carbon dioxide extraction of cumin seeds (*Cuminum cyminum* L.). *Flavour and Fragrance J.*, 14(1), 29-31, 1999.
3. Eikani, M.H., Goodarznia, I. and Mirza, M., Comparison between the essential oil and supercritical carbon dioxide extract of Teucrium (*Teucrium polium* L.). *J. of Essential Oil Research*, 11, July-Agust, 470-472, 1999.
4. Eikani, M.H. and Rowshanzamir, S., Synthesis gas from natural gas by noncatalytic partial oxidation. *IUST Int. J. of Engineering Science*, 15(1), 57-67, 2004.
5. Eikani, M.H., Golmohammad, F., Rowshanzamir, S., Noori, H., Essential oil recovery from the aqueous phases using Oldshue-Rushton column., *Iranian J. of Chemistry and Chemical Engineering*, 23(2), 43-50, 2004.
6. Eikani, M.H., Golmohammad, F., Rowshanzamir, S., Mirza, M. Recovery of water-soluble constituents of rose oil using silmultaneous distillation-extraction. *Flavour and Fragrance J.*, 20(6), 555-558, 2005.
7. Amirinejad, M., Rowshanzamir, S., Eikani, M.H., Effects of operating parameters on performance of a proton exchange membrane fuel cell. *J. of Power Sources*, 161(2), 872-875, 2006.
8. Eikani, M.H., Golmohammad, F., Rowshanzamir, S., Subcritical water extraction of essential oils from coriander seeds (*Coriandrum sativum* Mill.) *J. Food Engineering*, 80(2), 735-740, 2007.
9. Eikani, M.H., Golmohammad, F., Rowshanzamir, S., Mirza, M. Extraction of volatile oil from cumin (*Cuminum cyminum* L.) with superheated water. *J. of Food Process Engineering*, 30(2), 255-266, 2007.
10. Shalmashi, A., Eikani, M.H., Golmohammad, F., Subcritical water extraction of caffeine from black tea leaf of Iran. *J. of Food Process Engineering*, 31(3), 330-338, 2008.
11. Eikani, M.H., Golmohammad, F., Shokrollahzadeh, S., Mirza, M., Rowshanzamir, S., Superheated water extraction of *Lavandula latifolia* Medik. volatiles: comparison with conventional techniques. *J. Essential Oil Research*, Vol. 20, Nov/Dec, 482-487, 2008.
12. Rowshanzamir, S., Eikani, M.H., Khoshnoodi, M., Eshagh Nimvar, T., A parametric study of the PEM fuel cell cathode. *IUST Int. J. of Engineering Science*, 19(2-5), 73-81, 2008.

13. Golmohammad, F., Eikani, M.H., Shokrollahzadeh, S., Review on extraction of medical plants constituents by superheated water. *J. Medicinal Plants*, 17(27), 1-21, 2008.
14. Khajenoori, M., Haghighi Asl, A., Hormozi, F., Eikani, M.H., Noori Bidgoli, H., Subcritical water extraction of essential oils from *Zataria multiflora* Boiss., *J. of Food Process Engineering*, Vol. 32, 804-816, 2009.
15. Zahedinezhad, M., Rowshanzamir, S., Eikani, M.H., Autothermal reforming of methane to synthesis gas: Modeling and simulation. *Int. J. Hydrogen Energy*, Vol. 34, 1292-1300, 2009.
16. Eikani, M.H., Golmohammad, F., Optimized superheated hexane extraction of grapeseed oil. *J. Food Lipids*, 16, 514-523, 2009.
17. Mortazavi, S.V., Eikani, M.H., Mirzaei, H., Jafari, M., Golmohammad, F., Extraction of essential oils from *Bunium persicum* Boiss. using superheated water. *Food and Bioproducts Processing*, 88, 222-226, 2010.
18. Sharifi Asl, S.M., Rowshanzamir, S., Eikani, M.H., Modelling and simulation of the steady state and dynamic behaviour of a PEM fuel cell. *Energy*, Vol. 35, 1633-1646, 2010.
19. Shalmashi, A., Abedi, M., Golmohammad, F., Eikani, M.H., Isolation of caffeine from tea waste using subcritical water extraction. *J. of Food Process Engineering*, Vol. 33, 701-711, 2010.
20. Esmaeilifar, A., Rowshanzamir, S., Eikani, M.H., Ghazanfari, E., *Review paper:* Synthesis methods of low-Pt-loading electrocatalysts for proton exchange membrane fuel cell systems. *Energy*, 35, 3941-3957, 2010.
21. Amjadi, M., Rowshanzamir, S., Peighambardoust, S.J., Hosseini, M.G., Eikani, M.H., Investigation of physical properties and cell performance of Nafion/TiO_2 nanocomposite membranes for high temperature PEM fuel cells. *Int. J. Hydrogen Energy*, Vol. 35, 9252-9260, 2010.
22. Ramezani, K., Rowshanzamir, S., Eikani, M.H. Castor oil transesterification reaction: A kinetic study and optimization of parameters. *Energy*, 35, 4141-4148, 2010.
23. Esmaeilifar, A., Rowshanzamir, S., Eikani, M.H., Ghazanfari, E., Preparation of low-platinum-loading electrocatalysts using electroless deposition method for proton exchange membrane fuel cell systems. *Electrochimica Acta*, 56 (1), 271-277, 2010.
24. Esmaeilifar, A., Yazdanpour, M., Rowshanzamir, S., Eikani, M.H., Hydrothermal synthesis of Pt/MWCNTs nonocomposite electrocatalysts for proton exchange membrane fuel cell systems. Int. J. Hydrogen Energy, *Int. J. Hydrogen Energy*, 36, 5500-5511, 2011.
25. Eikani, M.H., Golmohammad, F., Homami, S., Extraction of pomegranate (*Punica granatum* L.) seed oil using superheated hexane. *Food and Bioproducts Processing*, 90, 32-36, 2012.
26. Rowshanzamir, S., Safdarnejad, S. M., Eikani, M.H., A CFD model for methane autothermal reforming on Ru/γ-Al_2O_3 catalyst. *Procedia Engineering*, 42, 2-27, 2012.
27. Eikani, M.H., Eliassi, A., Khandan, N., Nafisi, V.R., Design and fabrication of a 300 W PEM fuel cell test station. *Procedia Engineering*, 42, 406-413, 2012.
28. Eikani, M.H., Golmohammad, F., Salar Amoli, H., Bashiri Sadr, Z., An experimental design approach for pressurized liquid extraction from cardamom seeds. *Separation Science and Technology*. 48(8), 1194-1200, 2013.
29. Eikani, M.H., Golmohammad, F., Bashiri Sadr, Z., Salar Amoli, H., Mirza, M., Optimization of superheated water extraction of essential oils from cinnamon bark using RSM. *J. Essential Oil Bearing Plants*. 16(6), 740-748, 2013.
29. Khanjari, Y., M. H. Eikani, M.H., Rowshanzamir, S., Experimental and theoretical investigation of the removal organic pollutants from contaminated soils using superheated water. *J. of Supercritical Fluids*, 103, 55-60, 2015.
30. Haghayegh, M., Zabihi, F., Eikani, M.H., Kamyab Moghadas, B., Vaziri Yazdi, S.A., Supercritical fluid extraction of flavonoids and terpenoids from herbal compounds: Experiments and mathematical modeling. *J. Essential Oil Bearing Plants.* 18(5), 1253-1265, 2015.
31. Khajenoori, M., Haghighi Asl, A., Eikani, M.H., Subcritical water extraction of essential oils from *Trachyspermum ammi* seeds *J. Essential Oil Bearing Plants.* 18(5), 1165-1173, 2015.
32. Khajenoori, M., Haghighi Asl, A., Eikani, M.H., Optimization of subcritical water extraction of *Pimpinellas anisum* seeds. *J. Essential Oil Bearing Plants*. 18(6), 1310-1320, 2015.
33. Khanjari, Y., Eikani, M.H., Rowshanzamir, S., Remediation of polycyclic aromatic hydrocarbons from soil using superheated water extraction. *J. of Supercritical Fluids*, 111, 129-134, 2016.
34. Shabkhiz, M.A.; Eikani, m.H.; Bashiri Sadr, Z.; Golmohammad, F. Superheated water extraction of glycyrrhizic acid from licorice root. *Food Chemistry*. 210, 396-401, 2016.
35. Ahmadi, M., Ghiasvand, M., Eikani, M.H., Zabihi, F. Mathematical modeling of vegetable oils extraction by supercritical fluids. *J. Separation Science and Eng.* 8(1), 57-76, 2016.

36. Ranjbar, N., Eikani, M.H., Javanmard, M., Golmohammad, F. Impact of instant controlled pressure drop on phenolic compounds extraction from pomegranate peel. *Innovative Food Science and Emerging Technologies*, 37, 177-183, 2016.
37. Mehrpooya, M., Nouri, G., Eikani, M.H., Khandan, N., Hajinezhad, A., Effects of membrane electrode assembly fabrication parameters on the proton exchange membrane fuel cell performance. *International J. of Ambient Energy*, 37(6), 639-644, 2016.
38. Kheradmandi Nia, S., Khandan, N., Eikani, M.H. Synthesis and Evaluation of CO electro-oxidation activity of carbon supported SnO_2, CoO and Ni nano catalysts for a PEM fuel cell. *Int. J. Hydrogen Energy*. 41, 19070-19080, 2016.
39. Haghayegh, M., Eikani, M.H., Rowshanzamir, S., Modeling and simulation of a proton exchange membrane fuel cell using computational fluid dynamics. *Int. J. Hydrogen Energy*,42, 21944-21954, 2017.
40. Mohammad Ebrahimi, I., Eikani, M.H., Three-dimensional modeling of transport phenomena in a planar anode-supported solid oxide fuel cell. *Iranian J. of Hydrogen and Fuel Cell*. 4(1), 37-52, 2017.
41. Feyzi, E., Eikani, M.H., Golmohammad, F., Tafaghodinia, B., Extraction of essential oil from Bunium Persicum (Boiss.) by instant controlled pressure drop (DIC). *J. of Chromatography A.* 1530, 59-67, 2017.

A2. Scientific Journal Papers

1. Rowshanzamir, S. and Eikani, M.H., 2001, Development of the fuel cell technologies in Iran. *Automotive Scientific Magazine*, Iran University of Science and Technology, 1(1), 6-10.
2. Rowshanzamir, S. and Eikani, M.H., 2001, An investigation on the fuel cell powered vehicles. *Automotive Scientific Magazine*, Iran University of Science and Technology, 1(2), 61-55.
3. Eikani, M.H. and Rowshanzamir, S., 2003, Conversion of natural gas to syngas using NCPOX: An experimental study. *Research on Science and Engineering of Petroleum*, Research Institute of Petroleum Industry, 13(47), 19-25.
4. Rowshanzamir, S. and Eikani, M.H., 2003, Application of batteries and fuel cells for the electric and hybrid vehicles. *Iranian Battery Industry*, 1(2), 24-28.
5. Eikani, M.H., Golmohammad, F., Rowshanzamir, S., 2004, Simultaneous distillation-extraction of water-soluble constituents of rose oil. *Euro Cosmetics*, 12(1), 42-43.
6. Eikani, M.H., Golmohammad, F., Rowshanzamir, 2004, Application of simultaneous distillation-extraction in the herbaceous products, *J. of Science*, Azahra University, 17(2), 23-33.
7. Amirinejad, M., Rowshanzamir, S., Eikani, M.H., 2005, Current status and future prospects of fuel cell technology in Iran, *Iranian Energy Journal*, 9(22), May, 50-60.
8. Shokrollahzadeh, S., Golmohammad, F., Eikani, M.H., 2006, A new method for extraction of essential oils: Using superheated water as a green solvent, *Iranian Chemical Engineering Journal*, 5(25), 74-87.
9. Rowshanzamir, S., Eikani, M.H., Khakdaman, H., 2007, An evaluation on direct methanol fuel cells, *Iranian Battery Industry*, 18, 32-39.
10. Esmaeilifar, A., Rowshanzamir, S., Eikani, M.H., 2007, Nanoparticles and supercritical fluids, *Nano World*, Iranian Nanotechnology Association, 3(9), 20-29.

B. Scientific Conferences

1. Goodarznia, I. and Eikani, M.H., Modeling and simulation of supercritical fluid extraction of essential oils. *12th International Congress of Chemical and Process Engineering*, Praha, Czech Republic, 25- 30 August, 1996.
2. Eikani, M.H., Kaghazchi, T., Application of ultrafiltration in the lactose recovery from cheese whey: A theoretical and experimental study. *2nd National Iranian Chemical Engineering Congress*, Tehran, Iran, 24-26 Feb., 1997.
3. Goodarznia, I., Eikani, M.H., A kinetic investigation on supercritical CO_2 extraction of essential oils. *2nd National Iranian Chemical Engineering Congress*, Tehran, Iran, 24-26 Feb., 1997.
4. Goodarznia, I. and Eikani, M.H., Thermodynamic modeling for supercritical extraction of essential oil components. *The IASTED International Conference on Applied Modeling and Simulation*, Banaf, Canada, July 27- August 1, 1997.
5. Eikani, M.H., Goodarznia, I., Bayat, F., Cumin seeds essential oil extraction using supercritical CO_2 at pilot plant scale. 3rd *National Iranian Chemical Engineering Congress*, Ahvaz, Iran, 7-9 March., 1998.

6. Eikani, M.H. and Goodarznia, I., Thermodynamic modeling for supercritical extraction of essential oil components. *3rd National Iranian Chemical Engineering Congress*, University of Petroleum Industry, Ahwaz, Iran, 7-9 March, 1998.
7. Goodarznia, I. and Eikani, M.H., Supercritical CO_2 extraction of Teucrium essential oil. *13th International Congress of Chemical and Process Engineering*, Praha, Czech Republic, 23-28 August, 1998.
8. Goodarznia, I., Eikani, M.H., Solubility of xylene isomers in supercritical CO_2. *4th National Iranian Chemical Engineering Congress*, Tehran, Iran, 8-10 March, 1999.
9. Goodarznia, I., Eikani, M.H., Solubility of the main components of essential oil of Babooneh and Razyaneh in supercritical CO_2. *4th National Iranian Chemical Engineering Congress*, Tehran, Iran, 8-10 March, 1999.
10. Rowshanzamir, S. and Eikani, M.H., Design and construction of 1kW fuel cell. *3rd National Energy Congress*, World Energy Council, National Energy Committee of Islamic Republic of Iran, 1-2 May, 2001, Tehran, Iran.
11. Rowshanzamir, S. and Eikani, M.H., A study on air polution in Tehran. *3rd National Energy Congress*, World Energy Council, National Energy Committee of Islamic Republic of Iran, 1-2 May, 2001, Tehran, Iran.
12. Eikani, M.H., Kaghazchi, T., Design of a pilot plant for producing a-lactose mono-hydrate form cheese whey. *12th National Iranian Food Industries Congress*, Tehran, Iran, 7-9 Oct., 2001.
13. Eikani, M.H., Rowshanzamir, S., Introducing a fuel-processing unit for fuel cell systems. *The 1st National Iranian Battery conference*, Tehran, Iran, 6-7 Nov., 2001.
14. Eikani, M.H. and Rowshanzamir, S., Synthesis gas from natural gas by noncatalytic partial oxidation. *15th International Congress of Chemical and Process Engineering*, Praha, Czech Republic, 25-29 August, 2002.
15. Eikani, M.H., Golmohammad, F., Hojjati, A., Aroma compounds recovery from aqueous solutions using liquid-liquid extraction. *ibid*, Praha, Czech Republic, 25- 29 August, 2002.
16. Rowshanzamir, S., Eikani, M.H., Eliassi, A., Application of nanotechnology in fuel cell vehicles. *The First Conference on Nanotechnology, The Next Industrial Revolution, vol. 2, Engineering Science*, Tehran, Iran, 5-6 March, 2002.
17. Eliassi, A., Eikani, M.H., Mansoori, G.A., A review on the producing methods of single walled carbon nanotubes. *The First Conference on Nanotechnology, The Next Industrial Revolution, vol. 2, Engineering Science*, Tehran, Iran, 5-6 March, 2002.
18. Rowshanzamir, S., Eikani, M.H., Design of a 1 kW PA fuel cell. *7th National Iranian Chemical Engineering Congress*, Tehran, Iran, 27-30 Oct., 2002.
19. Eikani, M.H., Rowshanzamir, S., A review on application of supercritical fluid technology in food industries. *13th National Iranian Food Industries Congress*, Tehran, Iran, 714-16 Oct., 2002.
20. Rowshanzamir, S., Eikani, M.H., Design calculations for a 1 kW PA fuel cell. 4th *National Energy Congress*, World Energy Council, National Energy Committee of Islamic Republic of Iran, Tehran, Iran, 9-10 May, 2003.
21. Eikani, M.H., Rowshanzamir, S., Kaghazchi, T., Theoretical and experimental study of whey ultrafiltration. *4th Europian Congress of Chemical Engineering*, Granada, Spain, 21-25 Sep., 2003.
22. Eikani, M.H., Din Mohammad, M., Thermodynamic modeling of noncatalytic partial oxidation of natural gas. *ibid*, Granada, Spain, 21-25 Sep., 2003.
23. Eikani, M.H., Golmohammad, F., Rowshanzamir, S., Noori H., Design and fabrication of a pilot plant to recover aroma compounds from aqueous wastestreams. *ibid*, Granada, Spain, 21-25 Sep., 2003.
24. Rowshanzamir, S., Eikani, M.H., Environmental Issues of Iran. *ibid*, Granada, Spain, 21-25 Sep., 2003.
25. Rowshanzamir, S., Eikani, M.H., On Board Hydrogen Storage in Fuel Cell Vehicles by Carbon Nanotubes. *ibid*, Granada, Spain, 21-25 Sep., 2003.
26. Rowshanzamir, S., Eikani, M.H., Application of nanotechnology in pharmaceutical industries. *ibid*, Granada, Spain, 21-25 Sep., 2003.
27. Eikani, M.H. and Rowshanzamir, S., Conversion of natural gas to syngas using NCPOX: An experimental study. *12th Oil, Gas and Petrochemical Congress (International)*, Tehran, Iran, 24-26, Feb. 2003.
28. Eikani, M.H., Rowshanzamir, S., A natural gas based hydrogen generator for fuel cells. *8th Grove Fuel Cell Symposium*, ExCell, Docklands, London, UK, 24-26, Sep. 2003.
29. Amirinejad, M., Rowshanzamir, S., Eikani, M.H., Distributed power generation from fuel cell systems for the residential applications. *The 3rd International Conference on Fuel Conservation in Building*, Tehran, Iran, 17-18, Feb. 2004.

30. Amirinejad, M., Rowshanzamir, S., Eikani, M.H., Application of hybrid renewable energy- fuel cell systems in buildings. The 3rd International Conference on Fuel Conservation in Building, Tehran, Iran, 17-18, Feb. 2004.
31. Eikani, M.H., Rowshanzamir, S., Modelling and simulation of superheated water extraction of essential oils., *16th International Congress of Chemical and Process Engineering*, Praha, Czech Republic, 22-26 August, 2004.
32. Eikani, M.H., Rowshanzamir, S., Natural gas based syngas production technologies: An overview., *ibid*, Praha, Czech Republic, 22-26 August, 2004.
33. Rowshanzamir, S., Khoshnoodi, M., Eshagh Nimvar, T., Eikani, M.H., A pseudo-homogeneous model for catalyst layer of PEM fuel cells., *ibid*, Praha, Czech Republic, 22-26 August, 2004.
34. Rowshanzamir, S., Jadid, S., Eikani, M.H., Setting national priorities for energy standards in Iran., *ibid*, Praha, Czech Republic, 22-26 August, 2004.
35. Amirinejad, M., Rowshanzamir, S., Eikani, M.H., Current status and future prospects of fuel cell technology in Iran., *ibid*, Praha, Czech Republic, 22-26 August, 2004.
36. Rowshanzamir, S., Amirinejad, M., Eikani, M.H., Outlook of fuel cell technology in Iran., Fuel Cells Science and Technology, Hilton Munich, Park Hotel, Munich, Germany, 6-7 October, 2004.
37. Eshagh Nimvar, T., Rowshanzamir, S., Khoshnoodi, M., Eikani, M.H., Modeling of the cathode catalyst layer of PEM fuel cell, 9th Iranian Chemical Engineering Congress (ICHEC9), Iran University of Science and Technology, 23-25 Nov. 2004, Tehran, Iran.
38. Amirinejad, M., Rowshanzamir, S., Eikani, M.H., An investigation of the preparation methods of membrane electrode assemblies on proton exchange membrane fuel cell performance. 4th International Seminar on Polymer Science and Technology(ISPST 2005), 27-29 Sep., 2005, Tehran, Iran.
39. Eikani, M.H., Golmohammad, F., Rowshanzamir, Kaffashi Namdar, H., Subcritical water extraction of essential oils from coriander seeds (Coriandrum sativum Mill.) 17th International Congress of Chemical and Process Engineering, Praha, Czech Republic, 27-31 Aug., 2006.
40. Eikani, M.H., Golmohammad, F., Rowshanzamir, Shokrollahzadeh, S., Superheated water extraction of Lavandula latifolia Medik. essential oil: comparison with conventional techniques. ibid, Praha, Czech Republic, 27-31 Aug., 2006.
41. Eikani, M.H., Golmohammad, F., Rowshanzamir, Extraction of volatile oil from cumin (Cuminium cyminium L.) with pressurized low polarity water. ibid, Praha, Czech Republic, 27-31 Aug., 2006.
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43. Zahedinejad, M., Rowshanzamir, S., Eikani, M.H., Autothermal reforming of methane to synthesis gas: kinetic and thermodynamic studies. ibid, Praha, Czech Republic, 27-31 Aug., 2006.
44. Esmaeilifar, A., Rowshanzamir, S., Eikani, M.H., Zinc oxide nonoparticles formation, 1st Int. Cong. On Nanoscience and Nanotechnology, Tehran, 18-20 Dec, 2006.
45. Shalmashi, A., Eikani, M.H., Golmohammad, F., Subcritical water extraction of caffeine from black tea leaf of Iran. 6th AFMC Int. Medicinal Chemistry Symposium. July 8-11, 2007, Istanbul, Turkey.
46. Sharifi Asl, S.M., Rowshanzamir, S., Eikani, M.H., Modeling the steady state and dynamic V-I characteristics of PEM fuel cell. The 5th Int. Chemical Engineering Congress (IChEC 2008), 2-5 Jan. 2008, Kish Island, I.R. Iran.
47. Kaffashi Namdar, H., Eikani, M.H., S. Rowshanzamir, Modeling and simulation of superheated water extraction of essential oils from coriander seeds. ibid., 2-5 Jan. 2008, Kish Island, I.R. Iran.
48. Zahedi Nezhad, M., Rowshanzamir, S., Eikani, M.H., Modeling and simulation of methane ATR. ibid, 2-5 Jan. 2008, Kish Island, I.R. Iran.
49. Ramezani, K., Rowshanzamir, S., Eikani, M.H., Experimental investigation of biodiesel from castor oil: production and kinetics mechanism. ibid, 2-5 Jan. 2008, Kish Island, I.R. Iran.
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51. Sharifi Asl, S.M., Rowshanzamir, S., Eikani, M.H., Modeling the dynamic characteristics of PEM fuel cell. 18th International Congress of Chemical and Process Engineering, Praha, Czech Republic, 24-28 Aug., 2008.
52. Rowshanzamir, S., Ramezani, K., Eikani, M.H., Effect of kinetic parameters on castor oil methanolysis by Taguchi design method. ibid., Czech Republic, 24-28 Aug., 2008.
53. Ghazanfari, E., Esmaeilifar, A., Rowshanzamir, S., Eikani, M.H., Amjadi, M., Synthesis of platinum nanoparticles by electroless method for polymer electrolyte membrane fuel cell. 2nd Fuel Cell Seminar of Iran, Khajenasireadin Tousi Univ., Oct 18, 2008, Tehran, Iran.

54. Amjadi, M., Rowshanzamir, S., Eikani, M.H., Peighambardoust, S.J., Ghazanfari, E., High temperature proton exchange membrane fuel cells: Advantages and technical challenges., 2nd Fuel Cell Seminar of Iran, ibid., Oct 18, 2008, Tehran, Iran.
55. Shalmashi, A., Abedi, M., Golmohammad, F., Eikani, M.H., Determination of caffeine in water extract of tea by Fourier Transforms Infrared Spectrometry. 16th Iranian Seminar of Analytical Chemistry, 28-30 July 2009, Hamedan, Bu Ali Sina University.
56. Golmohammad, F., Sadeghi Fateh, D., Eikani, M.H., Investigation of effective factors in isopropyl alcohol synthesis process by indirect hydration. Iranian Conference of Organic Chemistry, Zanjan University, August 18-20th , 2009.
57. Amjadi, M., Rowshanzamir, S., Eikani, M.H., Sadeghi, S., Peighambardoust, S.J., Morphological investigation of Nafion/TiO_2 nanocomposite membranes of PEM fuel cell. 6th Int. Chem. Eng. Cong. & Exhibition, Nov. 16-20, 2009, Kish Island, Iran.
58. Golmohammad, F., Sadeghi Fateh, D., Eikani, M.H., Kinetic study of 2-propanol synthesis by indirect hydration in prototype scale. 15th Iranian Chemistry Congress (ICC 2011), 4-6 Sep. 2011, Bu-Ali Sina University, Hamedan, Iran.
59. Safdarnejad, S.M., Rowshanzamir, S., Eikani, M.H., Modeling of an autothermal catalytic monolith reformer to obtain hydrogen for fuel cells. 7th Int. Chem. Eng. Cong. & Exhibition (IChEC 2011), Nov. 21-24, 2011, Kish Island, Iran.
60. Eikani, M.H., Design of a natural gas based ATR reformer for solid oxide fuel cells using ASPEN+. 20th Int. Cong. of Chem. and Process Eng., Praha, Czech Republic, 25-29 Aug. 2012.
61. Golmohammad, F., Eikani, M.H., Salar Amoli, H., Bashiri Sadr, Z., Maymandi, H.M., Cinnamon bark volatile oils separation and determination using solid-phase extraction and gas chromatography. *ibid.*
62. Nouri, G., Mehrpooya, M., Eikani, M.H., Khandan, N., Identifying optimal operating conditions for a proton exchange membrane fuel cell (PEMFC). *ibid.*
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