

## Fatola FARHADI



لیسانس در سال ۱۳۵۴ در رشته مهندسی شیمی، دانشکده فنی، دانشگاه تهران  
 فوق لیسانس در سال ۱۳۵۵ در رشته تحلیل فرآیند، دانشگاه صنعتی Compiègne، فرانسه  
 دکترا در سال ۱۳۵۸ در رشته مهندسی شیمی، دانشگاه صنعتی Compiègne، فرانسه

**Professor**, Department of Chemical and Petroleum Engineering, Sharif University of Technology, Azadi Ave., Tehran, Iran.

### Education

Ph.D., Chemical Engineering, Département de Génie Chimique, *Université de Technologie de Compiègne*, 1980, France.

M.Sc., Analyse Des Procédés, Département de Génie Chimique, *Université de Technologie de Compiègne*, 1976, France.

B.Sc., Chemical Engineering, Engineering School, *Tehran University*, 1975, Iran.

### Research Interests

Transport Phenomena, Process Simulation and Modelling, Process Analysis, Process Design, Process Instrumentation, Supercritical Fluid Extraction

### Selected Recent Publications

- 1- Mazloom G, Farhadi F, Khorashe F, Kinetic Modeling of Pyrolysis of scrap tires, *J of Analytical & Applied Pyrolysis*, 2009 Feb
- 2- Mallaki Z., Farhadi F, Fine-tuning demercaptanization process: A case study, *Hydrocarbon Processing*, Jan 2009, pp1-5
- 3- Izadbakhsh A, Farhadi F, Khorasheh F and Zi-Feng Yan, 2008, Effect of heating profile on desorption curve in temperature programmed desorption analysis: case study of acid sites distribution of SAPO-34, *Journal of Porous Materials*, Vol 12, No 3, Pages 1-5
- 4- Zeinali Y, F. Farhadi, Dew Point reduction of process dry air, *Amirkabir J of Sc & Technology*, No 69, 2008
- 5- Izadbakhsh, Farhadi, Khorasheh, Sahebdehfar, Asadi & Zi-Feng Yan, 2008, Key Parameters in Hydrothermal Synthesis and Characterization of low Silicon Content SAPO-34 Molecular Sieve, *J of Microporous and Mesoporous Materials*,
- 6- Mafi, Yazdani and Farhadi, 2006, Determine oil content in pet. Waxes: New methodology decreases testing time & improves accuracy, *Hydrocarbon Processing*, June 2006, pp 95-97

- 7- Farhadi, Bahrami and Hashemi, 2005, Radiative models for the furnace side of a bottom-fired reformer, *Applied Thermal Eng*, 25 , pp 2398-2411
- 8- Farhadi, Davani, Ardalan, 2005, New correlation for natural convection of finned tube A-type air cooler, *Applied Thermal Eng*, Vol 25, pp 3053-3066
- 9- Yazdani, F., Mafi, M., Farhadi, F., Tabar-Heidar, K., Aghapoor, K., Mohsenzadeh, F., Darabi, H.R., Supercritical CO<sub>2</sub> extraction of essential oil from clove bud: Effect of operation conditions on the selective isolation of eugenol and eugenyl acetate, *Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences*, Vol 60, No 11, November 2005, Pages 1197-1201
- 10- Farhadi, F, Motamed Hashemi, M.Y., Bahrami Babaheidari, M., Modelling and simulation of syngas unit in large scale direct reduction plant, *Ironmaking and Steelmaking*, Volume 30, Issue 1, February 2003, Pages 18-24
- 11- F.Farhadi and M. Bahrami, "Mechanism and estimation of Al(OH)<sub>3</sub> Crystal Growth", *J. of Crystal Growth*, 234(2002), pp 721-730

### Courses taught

- **Undergraduate:**

- 1- Heat Transfer
- 2- Applied Heat Transfer
- 3- Process Instrumentation
- 4- Mass Transfer
- 5- Heat Exchanger and Column Design
- 6- Fired Heaters

- **Graduate:**

- 1- Computer Aided Process Design
- 2- Process Equipment Design