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EDUCATION

- 1994-1999 Ph.D. in Chemical Engineering
École Polytechnique de Montréal, Montreal, Canada
Thesis subject: Solids Behaviour in Fluidized Beds
- 1989–1992 M.Sc. in Chemical Engineering
University of Tehran, Tehran, Iran
- 1984-1989 B.Sc. in Chemical Engineering
University of Tehran, Tehran, Iran

WORKING EXPERIENCES

- 2005-present Associate Professor
Department of Chemical Engineering, University of Tehran
- 2000-2004 Assistant Professor
Department of Chemical Engineering, University of Tehran
- 6/2002-8/2004 Consultant (Process Design)
Oil Industries Engineering and Construction Co.
Revamping of FCC Unit, Abadan Refinery
- 9/2000-8/2001 Senior Process Engineer
Zolal Iran Co.
- 1/2000-6/2000 Post-Doc Researcher
École Polytechnique de Montréal
- 1/1994-6/1994 Process Engineer
Farazavaresh Consulting Engineers, Tehran, Iran
- 1989 - 1994 Process Engineer (Last position: Head of Process Engineering)
Chagalesh Consulting Engineers, Tehran, Iran

INDUSTRIAL PROJECTS

1. Developing the operator training simulator for olefin plant, Marun Petrochemical Co.

2. Developing the operator training simulator for methanol synthesis plant, Zagross Petrochemical Co.
3. Developing the operator training simulator for methanol synthesis plant, Fanavaran Petrochemical Co.
4. Developing the operator training simulator for butadiene extraction plant, Amirkabir Petrochemical Co.
5. Design and construction of a cold fluidized bed for studying the hydrodynamics of polyethylene reactors, Petrochemical Research and Technology Co.
6. Static and dynamic simulation of the synthesis section of urea production plant, Khorasan Petrochemical Co.
7. Simulation of fluidized bed reactor of polyethylene production, Tabriz Petrochemical Co.

PUBLICATIONS

Books

Numerical Methods for Chemical Engineers with MATLAB Applications, A. Constantinides and **N. Mostoufi**, Prentice Hall PTR, April 1999.

Solutions Manual to Numerical Methods for Chemical Engineers with MATLAB Applications, A. Constantinides and **N. Mostoufi**, Prentice Hall PTR, July 1999.

Process Simulation, R. Sotudeh-Gharebagh and **N. Mostoufi**, Boshra Publishing Co., Winter 2005.

Steady State Process Simulation, R. Sotudeh-Gharebagh, **N. Mostoufi**, A. Kiashemshaki, Boshra Publishing Co., Winter 2006.

Journal

Chemical Product and Process Modeling, Editors: R. Sotudeh-Gharebagh, **N. Mostoufi**, J. Chaouki, <http://www.bepress.com/cppm>.

Refereed Papers

43. Two phase modeling of particle size distribution in polyethylene reactor, O. Ashrafi, **N. Mostoufi**, R. Sotudeh-Gharebagh, *submitted to Iranian Polymer Journal*, 2006.
42. Application of the interval method optimization technique to highly nonlinear steady state processes, P. Hajiani, F. Jalali-Farahani, **N. Mostoufi**, *submitted to Computers and Chemical Engineering*, 2006.

41. Conceptual analysis of the contact time in fluidized beds, R. Zarghami, **N. Mostoufi**, R. Sotudeh-Gharebagh, *submitted to Scientia Iranica*, 2006.
40. Analysis and modeling of particle-wall contact time in gas fluidized beds, R. Zarghami, **N. Mostoufi**, R. Sotudeh-Gharebagh, J. Chaouki, *submitted to Chemical Engineering Science*, 2006.
39. Optimization of radial flow reactors of styrene production, F. Abdolahi, **N. Mostoufi**, R. Sotudeh-Gharebagh, *submitted to International Journal of Chemical Reactor Engineering*, 2006.
38. Multiobjective dynamic optimization of an industrial steam reformer with genetic algorithm, A. Alizadeh, **N. Mostoufi**, F. Jalali-Farahani, *submitted to International Journal of Chemical Reactor Engineering*, 2006.
37. Particle size distribution in gas-phase polyethylene reactors, O. Ashrafi, H. Nazari-Pouya, **N. Mostoufi**, R. Sotudeh-Gharebagh, *submitted to Advanced Powder Technology*, 2006.
36. Unsteady-state modeling of the fluidized bed polyethylene reactor, A. Hassimi, A. Salehpour, **N. Mostoufi**, R. Sotudeh-Gharebagh, *submitted to Chemical Engineering Communications*, 2006.
35. A short-cut method for evaluation of the performance of fluidized bed reactors, H. R. Hakimelahi, R. Sotudeh-Gharebagh and **N. Mostoufi**, *submitted to Chemical Engineering Research and Design*, 2006.
34. Evaluation of heat transfer coefficient in gas-solid fluidized beds using cluster-based approach, S. Karimipour, R. Zarghami, **N. Mostoufi** and R. Sotudeh-Gharebagh, *accepted by Powder Technology*, October 2006.
33. Modeling the hydrodynamics of downers by cluster based approach, S. Karimipour, **N. Mostoufi** and R. Sotudeh-Gharebagh, *Industrial and Engineering Chemistry Research*, vol. 45, p. 7204-7209, 2006.
32. Cluster-based modeling of fluidized catalytic oxidation of n-butane to maleic anhydride, H. R. Hakimelahi, R. Sotudeh-Gharebagh and **N. Mostoufi**, *International Journal of Chemical Reactor Engineering*, vol. 4, A23, 2006, <http://www.bepress.com/ijcre/vol4/A23>.
31. Two-phase modeling of the gas phase polyethylene fluidized bed reactor, A. Kiashemshaki, **N. Mostoufi** and R. Sotudeh-Gharebagh, *Chemical Engineering Science*, vol. 61, p. 3997-4006, 2006.
30. The dynamic modeling of the pressurizer surge tank transient in light water nuclear power plants, R. Zarghami, F. Jalali, **N. Mostoufi**, R. Sotudeh, K.

- Sepanloo, F. Dastjerdi and N. Ahmari, *Iranian Journal of Science & Technology, Transaction B, Engineering*, vol. 29 (B5), p. 483-491, 2005.
29. Particle-wall contact time in fluidized beds, R. Zarghami, **N. Mostoufi**, R. Sotudeh-Gharebagh and J. Chaouki, *IASME Transactions*, vol. 2, p. 1468-1473, 2005.
 28. Optimal extraction of glycyrrhetic acid from licorice root, M. Amani, R. Sotudeh-Gharebagh, **N. Mostoufi** and H. A. Motahhari-Kashani, *Journal of Food Technology*, vol. 3, p. 576-580, 2005.
 27. Hydrogenation of acetylene: Kinetic studies and reactor modeling, **N. Mostoufi**, A. Ghoorchian and R. Sotudeh-Gharebagh, *International Journal of Chemical Reactor Engineering*, vol. 3, A14, 2005, <http://www.bepress.com/ijcre/vol3/A14>
 26. Monitoring the particle-wall contact in a gas fluidized bed by RPT, M. Hamidipour, **N. Mostoufi**, R. Sotudeh-Gharebagh and J. Chaouki, *Powder Technology*, vol. 153, p. 119-126, 2005.
 25. Experimental investigation of particle contact time at the wall of gas fluidized beds, M. Hamidipour, **N. Mostoufi**, R. Sotudeh-Gharebagh and J. Chaouki, *Chemical Engineering Science*, vol. 60, p. 4349-4357, 2005.
 24. Simulation of the synthesis section of Stamicarbon urea process (in Persian), M. Hamidipour, **N. Mostoufi** and R. Sotudeh-Gharebagh, *Iranian Journal of Chemistry and Chemical Engineering*, vol. 24, p. 45-56, 2005.
 23. Modeling the synthesis section of an industrial urea plant, M. Hamidipour, **N. Mostoufi** and R. Sotudeh-Gharebagh, *Chemical Engineering Journal*, vol. 106, p. 249-260, 2005.
 22. Simulation of an industrial pyrolysis gasoline hydrogenation unit, **N. Mostoufi**, R. Sotudeh-Gharebagh and M. Ahmadpour, *Chemical Engineering and Technology*, vol. 28, p. 174-181, 2005.
 21. Hydrogen recovery from refinery off-gases, S. Faraji, R. Sotudeh-Gharebagh and **N. Mostoufi**, *Journal of Applied Sciences*, vol. 5, p. 459-464, 2005.
 20. Genetic algorithm optimization of the conditions of rice straw pulping with aqueous methanol, S. Navaee-Ardeh, **N. Mostoufi**, J. Mohammadi-Rovshandeh, A. A. Khodadadi, *Cellulose Chemistry and Technology*, vol. 5-6, p. 333-343, 2004.
 19. Two-phase simulation of gas-solid fluidized bed reactors by tanks-in-series model (in Persian), R. Jafari, R. Sotudeh-Gharebagh, **N. Mostoufi**, *Iranian Journal of Chemistry and Chemical Engineering*, vol. 23, p. 33-41, 2004.

18. Reactor modeling of gas-phase polymerization of ethylene, A. Kiashemshaki, **N. Mostoufi**, R. Sotudeh-Gharebagh and S. Pourmahdian, *Chemical Engineering and Technology*, vol. 27, p. 1227-1232, 2004.
17. Performance of the wide-ranging models for fluidized bed reactors, R. Jafari, R. Sotudeh-Gharebagh and **N. Mostoufi**, *Advanced Powder Technology*, vol. 15, p. 533-548, 2004.
16. Flow structure of the solids in gas-solid fluidized beds, **N. Mostoufi** and J. Chaouki, *Chemical Engineering Science*, vol. 59, p. 4215-4225, 2004.
15. Modeling the acceleration zone in the riser of circulating fluidized beds, H. Sabbaghan, R. Sotudeh-Gharebagh and **N. Mostoufi**, *Powder Technology*, vol. 142, p. 129-135, 2004.
14. Simulation of an acid-based starch converter, A. Iranshahi, H. R. Hakimelahi, R. Sotudeh-Gharebagh and **N. Mostoufi**, *Chemical Engineering and Technology*, vol. 27, p. 569-577, 2004.
13. Modular simulation of fluidized bed reactors, R. Jafari, R. Sotudeh-Gharebagh and **N. Mostoufi**, *Chemical Engineering and Technology*, vol. 27, p. 113-122, 2004. Erratum 2004, 27, 224.
12. Modelling of fluidized bed reactor of ethylene polymerization, M. Alizadeh, **N. Mostoufi**, S. Pourmahdian, and R. Sotudeh-Gharebagh, *Chemical Engineering Journal*, vol. 97, p. 27-35, 2004.
11. Simulation of a catalytic turbulent fluidized bed reactor using the sequential modular approach, R. Sotudeh-Gharebagh and **N. Mostoufi**, *Fuel Processing Technology*, vol. 85, p. 189-200, 2003.
10. Decreasing the sampling time interval in radioactive particle tracking, **N. Mostoufi**, G. Kennedy and J. Chaouki, *Canadian Journal of Chemical Engineering*, vol. 81, p. 129-133, 2003.
9. A comparison of two- and single-phase models for fluidized bed reactors, **N. Mostoufi**, H. Cui and J. Chaouki, *Industrial and Engineering Chemistry Research*, vol. 40, p. 5526-5532, 2001.
8. Gas and solids between bubble and emulsion in gas-fluidized beds”, H. Cui, **N. Mostoufi** and J. Chaouki, *Powder Technology*, vol. 120, p. 12-20, 2001.
7. Local solid mixing in gas-solid fluidized beds, **N. Mostoufi** and J. Chaouki, *Powder Technology*, vol. 114, p. 23-31, 2001.

6. Predicting the performance of fluidized bed reactors, **N. Mostoufi**, *International Journal of Science and Technology of the University of Kashan*, vol. 1, p. 19-37, 2000.
5. On the axial movement of solids in gas-solid fluidized beds, **N. Mostoufi** and J. Chaouki, *Chemical Engineering Research and Design*, vol. 78, p. 911-920, 2000.
4. Characterization of dynamic gas-solid distribution in fluidized beds, H. Cui, **N. Mostoufi** and J. Chaouki, *Chemical Engineering Journal*, vol. 79, p. 135-145, 2000.
3. Prediction of effective drag coefficient in fluidized beds, **N. Mostoufi** and J. Chaouki, *Chemical Engineering Science*, vol. 54, p. 851-858, 1999.
2. Computer simulation of heat transfer between gas fluidized beds and heat exchanger elements (in Persian), H. Panahandeh, **N. Mostoufi** and M. Sadeghi, *The Journal of the Iranian Petroleum Institute*, No. 23, p. 23-34, 1990.
1. Study of the precision of equations of state of gases (in Persian), H. Panahandeh, **N. Mostoufi** and M. K. Khoshkbarchi, *Memoirs of the Faculty of Engineering - Tehran University*, No. 50, p. 1-20, 1990.

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34. Measuring of the fluidized bed parameters using an optical fiber probe (in Persian), S. Karimipour, **N. Mostoufi**, R. Sotudeh-Gharebagh, in 11th National Iranian Chemical Engineering Congress, Tarbiat Modarres University, November 28-30, 2006.
33. Particle size distribution in gas-phase polyethylene reactors (in Persian), O. Ashrafi, **N. Mostoufi**, R. Sotudeh-Gharebagh, in 11th National Iranian Chemical Engineering Congress, Tarbiat Modarres University, November 28-30, 2006.
32. Modeling of an industrial autothermal reformer and study of feed effects on product specification (in Persian), M. Hamdi-Gamchi, R. Sotoudeh-Gharebagh, **N. Mostoufi**, F. Jalali-Farahani, F. Jalalinejad, in 11th National Iranian Chemical Engineering Congress, Tarbiat Modarres University, November 28-30, 2006.
31. Hydrodynamic index for fluidisation bed reactor, H. R. Hakimelahi, R. Sotudeh-Gharebagh and **N. Mostoufi**, 11th Asian Pacific Conference of Chemical Engineering (APCChE), Kuala Lumpur (Malaysia), August 27-30, 2006.
30. Modeling of the downer of a circulating fluidized bed, S. Karimipour, **N. Mostoufi**, R. Sotudeh-Gharebagh, M. Hamdi-Gamchi, 17th International Congress of Chemical and Process Engineering (CHISA), Prague (Czech), August 27-31, 2006.

29. Dynamic modeling of gas-phase ethylene polymerization reactor, A. Hassimi, **N. Mostoufi**, R. Sotudeh-Gharebagh, 17th International Congress of Chemical and Process Engineering (CHISA), Prague (Czech), August 27-31, 2006.
28. Simulation of a fluidized bed steam reformer, M. Karimi, A. Akhavan, **N. Mostoufi** and R. Sotudeh-Gharebagh, Industrial Fluidization South Africa Conference (IFSA), Johannesburg (South Africa), November 15-17, 2005.
27. Modeling and simulation of a fluidized catalytic cracking unit (in Persian), M. Sarparast, R. Bozorgmehri, **N. Mostoufi**, F. Jalali-Farahani, in 10th National Iranian Chemical Engineering Congress, University of Sistan and Balouchestan, November 15-17, 2005.
26. Particle-wall contact time in fluidized beds, R. Zarghami, **N. Mostoufi**, R. Sotudeh-Gharebagh and J. Chaouki, in Proceedings of the 3rd IASME/WSEAS International Conference on Heat Transfer, Thermal Engineering and Environment, Corfu (Greece), August 20-22, 2005, pp. 85-90.
25. Sequential modeling of polyethylene fluidized bed reactor, A. Kiashemshaki, **N. Mostoufi**, R. Sotudeh-Gharebagh, R. Zarghami, in Proceedings of ECOREP III, Lyon (France), June 20-24, 2005, pp. 114-117.
24. Modelling the two-stage pyrolysis gasoline hydrogenation, **N. Mostoufi**, M. Ahmadpour, R. Sotudeh-Gharebagh, presented in European Symposium on Computer Aided Process Engineering - 15, Barcelona (Spain), May 29-June 1, 2005, published in Computer-Aided Chemical Engineering, vol. 20A, L. Puigjaner and A. Espuña (eds.), Elsevier, pp. 451-456.
23. Simulation of an acetylene hydrogenation reactor, **N. Mostoufi**, A. Ghoorchian and R. Sotudeh-Gharebagh, in Proceedings of SIMMOD 2005, V. Kachitvichyanukul, U. Purintrapiban and P. Utayopas (eds.) Bangkok (Thailand), January 17-19, 2005, pp. 157-163.
22. Steady-state and dynamic simulation of the process of extractive distillation of 1,3-butadiene from the C₄-cut, R. Saffari, F. Abbasi, F. Jalali-Farahani and **N. Mostoufi**, in Proceedings of SIMMOD 2005, V. Kachitvichyanukul, U. Purintrapiban and P. Utayopas (eds.) Bangkok (Thailand), January 17-19, 2005, pp. 150-156.
21. Reactor modeling of fluidized bed ethylene polymerization using dynamic two phase behavior (in Persian), A. Kiashemshaki, **N. Mostoufi** and R. Sotudeh-Gharebagh, in 9th National Iranian Chemical Engineering Congress, Iran University of Science and Technology, November 23-25, 2004.
20. Modeling of an industrial urea synthesis reactor using sequential modular approach, M. Hamidipour, **N. Mostoufi** and R. Sotudeh-Gharebagh, in

- Proceedings of SIMS 2004, B. Elmegaard, J. Sparring, K. Erleben and K. Sørensen (eds.) Copenhagen (Denmark), September 23-24, 2004, pp. 27-33.
19. Simulation of a laminar flow reactor for catalytic conversion of starch, A. Iranshahi, H. R. Hakimelahi, R. Sotudeh-Gharebagh, **N. Mostoufi** and M. H. Sarrafzadeh, in 16th International Congress on Chemical and Process Engineering (CHISA 2004), Prague (Czech), 22-26 August 2004.
 18. Estimation of solids flow properties in gas-solid fluidized beds, **N. Mostoufi** and J. Chaouki, in Fluidization XI, U. Arena, R. Chirone, M. Miccio and P. Salatino (eds.) Ischia (Italy), May 9-13, 2004, pp. 131-138.
 17. Recovery of CO₂ from vent gases of melamine production units, A. M. Rouhani, B. Yeganeh-Talab, **N. Mostoufi** and R. Sotoudeh-Gharabagh, International Conference on Engineering and Food (ICEF-9), Montpellier (France), March 7-11, 2004.
 16. Simulation of synthesis section of urea plant (in Persian), M. Hamidipour, **N. Mostoufi** and R. Sotudeh-Gharebagh, in 8th National Iranian Chemical Engineering Congress, University of Mashhad, October 21-23, 2003.
 15. Simulation of butadiene unit of Amirkabir petrochemical Co. (in Persian), R. Saffari, F. Abbasi, **N. Mostoufi** and F. Jalali-Farahani, in 8th National Iranian Chemical Engineering Congress, University of Mashhad, October 21-23, 2003.
 14. Modeling the acceleration zone of the riser of a circulating fluidized bed (in Persian), H. Sabbaghan, R. Sotudeh-Gharebagh and **N. Mostoufi**, 8th National Iranian Chemical Engineering Congress, University of Mashhad, October 21-21, 2003.
 13. Simulation of low pressure melamine production process (in Persian), M. Latifi, R. Sotudeh-Gharebagh and **N. Mostoufi**, in 8th National Iranian Chemical Engineering Congress, University of Mashhad, October 21-21, 2003.
 12. Simulation of synthesis section of urea plant (in Persian), M. Hamidipour, **N. Mostoufi** and R. Sotudeh-Gharebagh, in 8th National Iranian Chemical Engineering Congress, University of Mashhad, October 21-21, 2003.
 11. Simulation of fluidized bed reactors by tanks-in-series model (in Persian), R. Jafari, R. Sotudeh-Gharebagh and **N. Mostoufi**, in 8th National Iranian Chemical Engineering Congress, University of Mashhad, October 21-21, 2003.
 10. Measurement of the particle residence time at the walls of fluidized bed dryers, M. Hamidipour, **N. Mostoufi**, R. Sotudeh-Gharebagh and J. Chaouki, in 3rd Asia-Pacific Drying Conference, V. K. Jindal, A. Noomhorn and I. Ahmad (eds.) Bangkok, September 1-2, 2003, pp. 521-530.

9. Simulation of a catalytic turbulent fluidized bed reactor for food processing applications, R. Sotudeh-Gharebagh and **N. Mostoufi**, in International Conference on Innovations in Food Processing Technology and Engineering, V. K. Jindal, A. Noomhorn S. K. Rakshit and I. Ahmad (eds.) Bangkok, December 11-13, 2002, pp. 101-109.
8. Application of special parameters and scale factors in applied fluid mechanics problems (in Persian), A. A. Poostchi, **N. Mostoufi**, S. Soltani and T. Moosavand, in 7th National Iranian Chemical Engineering Congress, University of Tehran, October 28-31, 2002, vol. 1, pp. 32-67.
7. Optimization of rice straw piping conditions with aqueous methanol using genetic algorithm (in Persian), S. Navaee-Ardeh, **N. Mostoufi**, J. Mohammadi-Rovshandeh, H. Raoufi and Y. Ahmadi, in 7th National Iranian Chemical Engineering Congress, University of Tehran, October 28-31, 2002, vol. 4, pp. 208-215.
6. Comparison of two-phase hydrodynamic models in prediction of fluidized bed reactors of ozone decomposition (in Persian), R. Jafari, **N. Mostoufi** and R. Sotudeh-Gharebagh, in 7th National Iranian Chemical Engineering Congress, University of Tehran, October 28-31, 2002, vol. 4, pp. 412-419.
5. Modelling the fluidized bed reactor of olefins polymerization (in Persian), M. Alizadeh, S. Pourmahdian, **N. Mostoufi** and R. Sotudeh-Gharebagh, in 7th National Iranian Chemical Engineering Congress, University of Tehran, October 28-31, 2002, vol. 6, pp. 194-199.
4. Radioactive particle tracking in heterogeneous flows: Principle and applications, J. Chaouki, P. Sauriol, F. Larachi, **N. Mostoufi**, Récents Progrès Génie Proedés, vol. 15, pp. 78, 63-73, 2001.
3. Comparison between single and two-phase models for prediction of the performance of fluidized bed reactors (in Persian), **N. Mostoufi**, in 6th National Iranian Chemical Engineering Congress, Esfahan University of Technology, May 2001, vol. 5, pp. 227-230.
2. Comparison of local measurement techniques for gas-solid fluidized beds, H. Cui, **N. Mostoufi** and J. Chaouki, in Fluidization X, M. Kwauk, J. Li and W. C. Yang, (eds.) Beijing (China), May 20-25, 2001, pp. 779-786.
1. Effect of solid mixing on the performance of catalytic fluidized bed reactors, **N. Mostoufi** and J. Chaouki, in Fluidization X, M. Kwauk, J. Li and W. C. Yang, (eds.) Beijing (China), May 20-25, 2001, pp. 93-100.

Non-Refereed Conferences

11. Modeling of a beet sugar extraction tower, A. Faridkho, **N. Mostoufi**, H. Shamekhi, R. Sotudeh-Gharebagh, 56th Canadian Chemical Engineering Conference, Sherbrooke, Quebec, Canada, October 28-31, 2006.
10. Steady state optimization of the sugar extraction process, H. Shamekhi, R. Sotudeh-Gharebagh, A. Faridkho, **N. Mostoufi**, International Conference on Modeling in Chemical and Biological Engineering Sciences, Bangkok, Thailand, October 25-27, 2006.
9. Dynamic modeling of the sugar extraction process, A. Faridkho, **N. Mostoufi**, H. Shamekhi, R. Sotudeh-Gharebagh, International Conference on Modeling in Chemical and Biological Engineering Sciences, Bangkok, Thailand, October 25-27, 2006.
8. Scale down of an industrial fluidized bed reactor for polyethylene production, A. Mirzaei, N. tafi, O. Vahidi, A. Aghili, A. Kiashemshaki, M. Shahrokhi, **N. Mostoufi**, S. Mostafavi, M. Abdolazimi, M. Fazeli, A. Kazemian, R. Marandi and M. Babaei, ISPST 2005, Tehran, Iran, September 27-29, 2005.
7. Modeling the acceleration zone in the riser of circulating fluidized beds, H. Sabbaghan, **N. Mostoufi** and R. Sotudeh-Gharebagh, in Fluidization XI, Ischia (Italy), May 9-13, 2004.
6. Simulation of fluidized bed reactors using sequential modular approach, R. Jafari, R. Sotudeh-Gharebagh and **N. Mostoufi**, 53rd Canadian Chemical Engineering Conference, Hamilton, Ontario, Canada, October 2003.
5. A probability model for dynamic gas-solid distribution in fluidized bed reactors, H. Cui, **N. Mostoufi** and J. Chaouki, III European Conference on Fluidization, Toulouse, France, May 2000.
4. Mechanisms of axial movement of solids in gas-solid fluidized beds, **N. Mostoufi** and J. Chaouki, 49th Canadian Chemical Engineering Conference, Saskatoon, Saskatchewan, Canada, October 1999.
3. Determination of the axial solids diffusivity in gas-solid fluidized beds, **N. Mostoufi** and J. Chaouki, The Fifth International Conference on Fluid-Particle Interactions, United Engineering Foundation, Santa Fe, New Mexico, USA, May 1999.
2. Determination of the solids diffusivity in gas-solid fluidized beds using a radioactive particle tracking technique, **N. Mostoufi** and J. Chaouki, 48th Canadian Chemical Engineering Conference, London, Ontario, Canada, October 1998.

1. Measurement of effective drag force in a liquid-solid fluidized bed using a radioactive particle tracking technique, **N. Mostoufi** and J. Chaouki, 47th Canadian Chemical Engineering Conference, Edmonton, Alberta, Canada, October 1997.