Curriculum Vitae (CV)

Personal Data:

Name: Professor Jafarsadegh Moghaddas

Date of Birth: 6 March 1966

Work Address: Chemical Engineering Department,

Sahand University of Technology,

Tabriz / IRAN

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Education:

Ph.D. , LTH, Lund University, Sweden, 2003

Concentrations: Chemical Engineering – Mixing, Transport phenomena

M.Sc. , Abadan Institute of Technology(AIT) and Tehran University and IRAN, 1992

Concentrations: Chemical Engineering – Hydrocarbon Reservoir Engineering

B.Sc. , Tehran University, Tehran, IRAN, 1990

Concentrations: Chemical Engineering

Courses Taught:

- **Chemical Engineering Process Control**
- **Applied Mathematics in Chemical Engineering**
- **Basic Principles and Engineering in Food Engineering**
- **Mass and Energy Balance**
- **Physical Chemistry**
- **General Chemistry I, II**
- **Fluid Mechanics I, II (BSc courses)**
- **Two phase flow(BSc)**
- **Fundamental of Reservoir Engineering (BSc @ MSc courses)**
- **Fluid Flow through Porous Media (MSc course)**
- **Multiphase flow (PhD course)**
- **Fundamental of Engineering (Advanced course for Food Eng. in MSc)**
- **Advanced Mathematics(MSc course)**
- **Advanced Fluid Mechanics(MSc course)**

Fields of Interest:

- **Mixing**
- **Transport Phenomena,**
- **Applications of silica aerogels,**
- **Porous Media,**
- **EOR**
- **Multiphase Flow**
- **Turbulence**
- **Bubbly Flow**
- **Flow Visulization using Optical Methods**
- **Miscible Displacement of Fluids through Porous Media**

Journal Publications:

1. J.S. Moghaddas, C. Tragardh, T. Kovacs and K. Ostergren, A new method for measuring concentration of a fluorescent tracer in bubbly gas-liquid flows, Experiments in Fluids, Vol. 32, 2002.
2. J.S. Moghaddas, C. Tragardh, K. Ostergren and J. Revstedt, A comparison of the Mixing Characteristics in Single- and Two-Phase Grid-Generated Turbulent Flow Systems, Chemical Engineering & Technology, Vol. 6, 2004.
3. H. Bargozin, J.S. Moghaddas, A. Khudiev, M.R. Malek Abbaslou, Petroleum coke, coking process and applications, Iranian Journal of IAChE, Vol. 4, No. 16, 2005 (in Farsi).
4. J.S. Moghaddas, C. Tragardh, J. Revstedt and K. Ostergren, A study of flow and Mixing in Bubbly Gas-Liquid Pipe Flow Generated by a Grid, IAChE, Vol. 3, No. 4, 2006.
5. B. Moshtari, E. Ganji, J.S. Moghaddas, Experimental study of sparger type and liquid height effect on gas holdup in bubble column reactors, Petroleum research, volume 17, 2007, 84-90 (in Farsi).
6. B. Moshtari, J.S. Moghaddas, E. Gangi, A hydrodynamic experimental study of slurry bubble column, Studies in Surface Science and Catalysis, Vol. 167, 67-72, 2007.
7. S. Ebrahimi, J.S. Moghaddas, M.K. Razavi Aghjeh, Study on thermal cracking behavior of Petroleum Residue, Fuel, Vol. 87, 1623-1627, 2008.
8. K. Shayesteh, J.S. Moghaddas, Investigation of segregation in solids mixing, Iranian Journal of IAChE, Vol. 6, No. 34, 9-14, 2008 (in Farsi).
9. T. Yosefi Amir, J.S. Moghaddas, A Review on the Jet mixing in Vessels, Journal of Faculty of Engineering (Special issue on: Chemical Engineering), University of Tehran, Vol. 42, No.2, 219-238, 2008 (in Farsi).
10. K. Ghasemzadeh, J. S. Moghaddas, T. Yousefi Amiri, Experimentally Production and Investigating of Petroleum Coke Produced from Distillation Columns of Tabriz Petrochemical Company, Frayandno, No. 16, 35-41, 2008 (in Farsi).
11. K. Shayesteh, J.S. Moghaddas, Investigation of Mixing in Solids, Iranian Journal of IAChE, Vol.7, No. 36, 3-14, 2008 (in Farsi).
12. R. Zadghaffari, J.S. Moghaddas, J. Revstedt, A Study on Liquid-Liquid Mixing in a Stirred Tank with a 6-Blade Rushton Turbine, Iranian Journal of Chemical Engineering, Vol. 5, No. 4, 2008.
13. B. Moshtari, E. Ganji, J. S. Moghaddas, Experimental study of gas hold-up and bubble behavior in gas – liquid bubble column, Petroleum & Coal, Vol. 51 (1), 27-32, 2009.
14. R. Zadghaffari, J.S. Moghaddas, J. Revstedt, Study of flow field, power and mixing time in a two phase stirred vessel with dual Rushton impellers: Experimental observation and CFD simulation, Chemical Product and Process Modeling, Vol. 4, 2009.
15. R. Zadghaffari, J.S. Moghaddas, J. Revstedt, A Mixing Study in a Double-Rushton Stirred Tank, Computers & Chemical Engineering, 33, 1240–1246, 2009.
16. H. Barghozin, J.S. Moghaddas, M. Samet, S.A. Taheri, Economical Study of Nanofluids Effects in Heat Exchangers of Tehran Refinery Company, Frayandno, No. 19, 37-48, 2009 (in Farsi).

17. M. Choopani, S. Gheibi, M. Taghavi, J.S. Moghaddas, Effect of Impeller Types on Mixing Time in Stirred Tanks, Iranian Journal of IAChE,Vol. 8, No. 40, 60-65, 2009 (in Farsi).
18. K. Shayesteh, J.S. Moghaddas, M. Haghighi, G. Imanzadeh, A mechanochemical reaction for highly efficient preparation of 1-bi-2-naphthol from 2-naphthol, Scientific Research and Essay, Vol.4 (11), 1201-1204, 2009.
19. T. Yousefi Amiri, J.S. Moghaddas, Experimental Study of the Mixing Time in a Jet Mixed Gas-Liquid System, Chemical Engineering & Technology, Vol. 33 (2), 327-333, 2010.
20. R. Zadghaffari, J.S. Moghaddas, J. Revstedt, Large-eddy Simulation of Turbulent Flow in a Stirred Tank Driven by a Rushton Turbine, Computers and Fluids, 39, 1183–1190, 2010.
21. S. Ebrahimi, J.S. Moghaddas, An Experimental Study of Coking Process, International Journal of Chemical Reactor Engineering, Vol. 8, 2010.
22. K. Shayesteh, J.S. Moghaddas, M. Haghighi, H. Eskandari, Development of a Monitoring Method for Oxidative Coupling Reaction of 2-Naphthol in Solid State, Asian Journal of Chemistry, Vol. 22, No. 3, 2106-211,. 2010.
23. R. Zadghaffari, J.S. Moghaddas, Evaluation of drag force effect on hold-up in a gas-liquid stirred tank reactor, Journal of Chemical Engineering of Japan, Vol. 43, No. 10, 2010.
24. H. Bargozin, L. Amirkhani, J. S. Moghaddas, M. M. Ahadian, Synthesis and application of silica aerogel-MWCNT nanocomposites for adsorption of organic pollutants, Scientia Iranica, Vol. 17, No. 2,122-132, 2010.
25. T. Yousefi Amiri, J. S. Moghaddas, Y. Moghaddas, A jet mixing study in two phase gas – liquid systems, Chemical Engineering Research and Design, Vol. 89, 352-366, 2011.
26. M. Taghavi, R. Zadghaffari , J.S. Moghaddas, Y. Moghaddas, Experimental and CFD Investigation of Power Consumption in a Dual Rushton Turbine Stirred Tank, Chemical Engineering Research and Design, Vol. 89, 280-290, 2011
27. R. Zadghaffari, J.S. Moghaddas, F. Fakheri, H. Razmi, H. Heidari, Modeling and optimizing of mechanically agitated vessels by central composite rotatable design method, International Journal of Chemical Reactor Engineering, Vol. 9 (A3), 2011.
28. L. Amirkhani, H. Bargozin, J.S. Moghaddas, M. M. Ahadian, Synthesis nanoporous silica aerogel for adsorption and separation of hydrocarbonic materials from water, Journal of Separation Science and Engineering, Vol. 2, No. 2, 55-68, 2011.
29. L. Feyzi, J.S.Moghaddas, A. Tavakkoli, Thermodynamic Hydrate Inhibitors for Preventing of Gas Hydrates Formation in Gas Pipeline Transmission, Iranian Journal of IAChE, Vol. 9, No. 53, 50 -60, 2011 (in Farsi).
30. A. Sadeghzadeh Namavar, J.S. Moghaddas, Influence of injection angle in a jet mixer, Iranian journal of Chemistry and Chemical Engineering, Vol. 30, 2011, (in Farsi).
31. S. Abdollahi, J.S. Moghaddas, D. Mowla, Treatment of oil polluted industrial wastewater in a sequence batch membrane bioreactor, Journal of Separation Science and Engineering, Vol. 3, No. 1, 2011.

32. F. Fakheri, J.S. Moghaddas, Investigation of mixing time in a stirred tank equipped dual Rushton turbine, Iranian journal of Chemistry and Chemical Engineering, Vol. 31, No. 1, 89-100, 2012 (in Farsi).
33. F. Fakheri, J.S. Moghaddas, R. Zadghaffari, Y. Moghaddas, Application of Central Composite Rotatable Design to Analysis of Mixing Time in Agitated Mechanically Vessel, Chemical Engineering & Technology, Vol. 35, No. 2, 353-361, 2012.
34. A. Farbod, J.S. Moghaddas, CFD simulation and experimental investigation of a jet mixer: Effect of flow rate and jet angle on mixing time using the RSM model, Chemical engineering communication, accepted manuscript, 2012.
35. R. Zadghaffari, J. S. Moghaddas, Z. Rahimiahar, Numerical Investigation of a Burner Configuration to Minimize Pollutant Emissions, APCBEE Procedia 3 (2012) 177 – 181, 2012.
36. H. Bargozin, J.S. Moghaddas,Wettability alteration with silica aerogel nano-dispersion, Journal of Dispersion Science and Technology, Vol. 34 (8), 1130-1138, 2013.
37. M. Taghavi, S. Ebrahimi, J.S. Moghaddas, Solid Particle Distribution in Centrifugal Impeller Contactors, Journal of Dispersion Science and Technology, accepted manuscript, 2013.
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40. M. Akbari Aghdam, J.S. Moghaddas, M. Dabiri, The effect of the salinity of injected water and reservoir water on WAG injection: A study in an Iranian reservoir, Petroleum Science and Technology, 31, 2296-2303, 2013.
41. M. Akbari Aghdam, J.S. Moghaddas, B. Moradi, An investigation of the effect of using foam in WAG injection in an Iranian oil reservoir, Petroleum Science and Technology, 31, 2228-2236, 2013.
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43. A. Mohammadi, J.S. Moghaddas, An investigation of adsorption performance of Benzene and Ethyl Benzene over silica aerogel and carbon-silica aerogel composites, Journal of Separation Science and Engineering, Vol. 6, No. 2, 79 - 87, 2014.
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45. T. Yousefi Amiri, J.S. Moghaddas, Performance evaluation of Cu-SiO2 aerogel catalysts in hydrogen production from methanol, Iranian Journal of Chemical Engineering, Volume 11, Number 3 (Summer), 2014.
46. A. Mohammadi, J.S. Moghaddas, A. Aryamanesh, Residence time and concentration distribution in a Kenics KMX Static Mixer, Chemical Engineering Communication, Vol. 202(2), 144-150, 2015.

47. A. Mohammadi, J.S. Moghaddas, Synthesis, adsorption and regeneration of silica aerogel and silica aerogel-activated carbon composites, Journal of Chemical Engineering Research and Design, 94, 475-484, 2015.
48. T. Yousefi Amiri, J.S. Moghaddas, Cogeled copper-silica aerogel as a catalyst in hydrogen production from methanol steam reforming, International Journal of Hydrogen Energy, Volume 40, Issue 3, 21 January 2015, Pages 1472–1480.
49. T. Yousefi Amiri, J.S. Moghaddas, Saeid Rahmani Khajeh, Silica aerogel-supported copper catalyst prepared via ambient pressure drying process, Journal of Sol-Gel Science and Technology(2016), 77:627–635, DOI 10.1007/s10971-015-3892-0.
50. N. Yasrebi, J.S. Moghaddas, Studying the Effect of Humidity on Electrical Properties of Copper-Silica Aerogel, Iranian Journal of Chemical Engineering, Volume 12, Number 2 (Spring), 2015.
51. H. Taleshi, J.S. Moghaddas, P.Noeparvar, An investigation on the mixing of the non-Newtonian fluids in stirred tanks by double impellers, The Chemical Technology: An Indian Journal, Trade Science Inc (TSI), 10 (3) 2015.
52. T. Yousefi Amiri, J.S. Moghaddas, Reaction parameters influence on the catalytic performance of copper-silica aerogel in the methanol steam reforming, Journal of Fuel Chemistry and Technology, Vol. 43, No. 1, Jan. 2016.
53. E. Rezaei, J.S. Moghaddas, Thermal conductivities of silica aerogel composite insulating material, Advanced Materials Letters, 2016, 7(4), 100-150.
54. L. Amirkhani, J.S. Moghaddas, H. Jafarizadeh-Malmiri, Comparison of different methods for synthesis silica aerogel-iron oxide nanocomposites in ambient pressure condition, Solid State Sciences Journal, 2015.
55. L. Amirkhani, J.S. Moghaddas, H. Jafarizadeh-Malmiri, Effect of surface modification agent and calcination process on the preparation of hydrophobic magnetic silica aerogel by ambient pressure drying method, Bulgarian chemical communication, Volume 47, Special Issue D (pp. 82 – 88) 2015.
56. L. Amirkhani, J.S. Moghaddas, H. Jafarizadeh-Malmiri, Optimization of Candida rugosa lipase immobilization parameters on magnetic silica aerogel using adsorption method, Iranian Journal of Chemical Engineering, Volume 13, Issue 3, (Summer), 2016, 19-31.
57. L. Amirkhani, J.S. Moghaddas, H. Jafarizadeh-Malmiri, Candida rugosa lipase immobilization on magnetic silica aerogel nanodispersion, RSC Advances, 2016, 6, 12676–12687.
58. L. Amirkhani, J.S. Moghaddas, H. Jafarizadeh-Malmiri, Immobilization of Candida rugosa lipase on hydrophobic silica aerogel and its magnetic nanocomposite, Journal of Chemical Technology & Biotechnology, accepted, 2016.
59. M. Firoozmandan, J.S. Moghaddas, N. Yasrebi, Performance of water glass based silica aerogel for adsorption of phenol from aqueous solution, Journal of Sol-Gel Science and Technology, Volume 79, Issue 1, pp 67-75, July 2016.
60. H. Taleshi Ahangari, P. Noeparvar, J.S. Moghaddas, The effect of impeller type on the mixing time of the non-Newtonian fluids in stirred tanks, Chemical Technology: An Indian Journal, Volume 11, Issue 4, 2016.
61. N. Nazeran, J.S. Moghaddas, Synthesis and characterization of silica aerogel/rigid polyurethane foam nanocomposites, Journal of Non-Crystalline Solids, Volume 461, 2017, 1–11.
62. F, Fakheri, J. S. Moghaddas, S. Fereidoni, H. Attar, Investigation of the effects of various parameters on mixing time in pilot stirred tank equipped single and dual rushton impeller, Indian Journal of Chemical Technology, Vol. 24, May 2017, pp. 344-351.

63. L. Amirkhani, J. S. Moghaddas, H. Jafarizadeh, Optimization of Biodiesel Production using Immobilized Candida Rugosa Lipase on Magnetic Fe3O4-Silica Aerogel, Accepted, Iranian Journal of Chemistry and Chemical Engineering (IJCCE), Vol. 38, No. 2, pp. 193 – 201, 2019.
64. S. Alasti, J.S. Moghaddas, M. Rezaei, In-situ synthesis of silica aerogel/polyurethane inorganic-organic hybrid nanocomposite foams: Characterization, cell microstructure and mechanical properties, Polymer 172, pp 27–40, 2019.
65. J. S. Moghaddas, N. Yasrebi, S. A. Shojaosadati, M. Taghavi, An investigation and comparison of chemical engineering curriculum and teaching methods between Iranian and American universities, Journal of Engineering Education, 81(1), 19-44, 2019.
66. A. Mohammadi, J. S. Moghaddas, Experimental and Computational Study on Hydrodynamic of a Downscaled Mini Vessel USP Dissolution Test Apparatus II, Iranian Journal of Chemical Engineering, Vol. 16, No. 3 (Summer 2019), IAChE, 3-22, 2019.
67. M.Taghavi, J. S. Moghaddas, Using PLIF/PIV Techniques to Investigate the Reactive Mixing in Stirred Tank Reactors with Rushton and Pitched Blade Turbines, Chemical Engineering Research and Design, 151, pp 190-206, 2019.
68. M.Taghavi, J. S. Moghaddas, Flow Characteristics of the Rushton and Pitched Blade Turbines in Turbulent and Laminar Mixing, International Journal of Chemical Reactor Engineering, Volume 18: Issue 7, https://doi.org/10.1515/ijcre-2019-0215, 2020.
69. A. Mohammadi, J. S. Moghaddas, Mesoporous tablet-shaped potato starch aerogels for loading and release of the poorly water-soluble drug celecoxib, Chinese Journal of Chemical Engineering, Volume 28, Issue 7, pp. 1778 - 1787, 2020.
70. A. Mohammadi, J. S. Moghaddas, Mesoporous starch aerogels production as drug delivery matrices: synthesis optimization, ibuprofen loading, and release property, Turkish Journal of Chemistry, (2020) 44: 614 – 633, 2020.
71. E. Tohfehghar, J. S. Moghaddas, Synthesis and characterization of waterglass-based silica aerogel under heat treatment for adsorption of nitrate from water: batch and column studies, Iranian Journal of Chemical Engineering, Vol. 16, No. 4 (Autumn 2019), IAChE, pp 53-72, 1999.
72. M. Hosein Ahmadi, J.S., Moghaddas, E. Ataei, Investigating the operational parameters affecting the acid- base reaction inside the stirred tank by PIV/PLIF technique, Iranian Journal of Chemical Engineering, Vol. 19, No. 110 (Autumn 2020), IAChE, pp 6-18, 2020.
73. M. H. Falsafi, M. Moghaddas, J. S. Moghaddas, Removal of heavy metals from synthetic wastewater using silica aerogel-activated carbon composite by adsorption method, Journal of Applied Research in Water and Wastewater 13 (2020), pp 90 – 96.
74. A. Mahmoodzadeh, J. S. Moghaddas, S. Jarolmasjed, A. Ebrahimi Kalan, M. Edalati, R. Salehi, Biodegradable cellulose-based superabsorbent as potent hemostatic agent, Chemical Engineering Journal 418 (2021) 129252, 2021.
75. R. Sotoudeh Gharebagh, J. S. Moghaddas, Promoting Open and Innovative International Cooperation and Science Diplomacy, Journal of Iranian Chemical Engineering, Volume & Issue: Volume 20, Issue 117, November and December 2021.
76. A. Jabbari, J.S. Moghaddas, H. Jafarizadeh, H. Hamishehkar, Ambient Pressure Drug Loading on Trimethylchlorosilane Silylated Silica Aerogel in Aspirin Controlled-Release System, Chemical Engineering Communication, https://doi.org/10.1080/00986445.2021.1989420, 2021.

77. A. Jabbari, J.S. Moghaddas, H. Jafarizadeh, H. Hamishehkar, Carboxylic acid decorated silica aerogel nanostructure as drug delivery carrier, Microporous and Mesoporous Materials, Volume 323, August 2021, 111220, 2021.
78. F. Sajedi, J.S. Moghaddas, Highly efficient hydrophilic silica aerogel for removal of Daunorubicin and Doxorubicin from synthetic pharmaceutical wastewater, Accepted in the journal of Separation Science and Technology, Volume 57, 2022 - Issue 13, https://doi.org/10.1080/01496395.2022.2027446.
79. R. Sotoudeh Gharebagh, J. S. Moghaddas, Moving Forward to Improve Engineering Education at Undergraduate Level, Journal of Iranian Chemical Engineering, Volume & Issue: Volume 20, Issue 119, 2022.
80. H. Abedpour, J. S. Moghaddas, R. Alizadeh, Adsorption of lead from aqueous solution using nanostructured silica aerogel/zeolite ZSM-5 composite, Accepted paper, Journal of Iranian Chemical Engineering, 2022.

Conference papers:

1. J.S. Moghaddas, C. Tragardh and K. Ostergren, Use of a simultaneous PLIF-PLIF technique to overcome optical problems in concentration measurements in two-phase bubbly systems, Advanced in Fluid Mechanics IV, WIT-Press, (2002).
2. J.S. Moghaddas, S. Abdhu, K. Gasemzadeh and S. Fatehifar, Determining of Initial temperature and efficiency of petroleum coke production in thermal cracking process, The tenth Iranian national chemical engineering congress 15-17 November 2005 Zahedan – IRAN.
3. A. Alizadeh Osaloo, J.S. Moghaddas, J.S. Soltan mohammadzadeh, Ethyl Benzene behavior in aerobic containers in industrial waste water units, The tenth Iranian national chemical engineering congress 15-17 November 2005 Zahedan – IRAN.
4. S.A. Tabatabaei Nezhad, M.R. Rahimzadeh Mojarad, S.J. PaitakhtiOskuei, J.S. Moghaddas, Experimental Study of Water Alternating CO2 injection: Applicable in Secondary or Tertiary Stages? 1st Iranian Petroleum Engineering Congress (Iran Upstream 2006), May 30-31, 2006.
5. S.A. Tabatabaei Nezhad, M.R. Rahimzadeh Mojarad, S.J. Paitakhti, J.S. Moghaddas, D. RezazadehFarahmand, Experimental Study on Applicability of Water Alternating CO2 injection in the Secondary and Tertiary Recovery, SPE 103988, accepted for oral presentation at the First International Oil Conference and Exhibition in Mexico, 31 August - 2 September 2006.
6. R. Zadghaffari, J.S. Moghaddas, Y. Hajizadeh, Fuzzy corrosion modeling, new horizons, new opportunities, The 11th Iranian national chemical engineering congress 28-30 Octoberber 2006 Tehran – IRAN.

7. R. Zadghaffari, J.S. Moghaddas, Study on multi-phase flow system with using of Modern optical techniques, The 11th Iranian national chemical engineering congress 28-30 Octoberber 2006 Tehran – IRAN.
8. S. Ebrahimi, J.S. Moghaddas, M.K. Razavi, Pyrolysis Kinetic of Petroleum Residue by Thermal Analysis (Thermogravimetry), 11th Iranian national chemical engineering congress 28-30 Octoberber 2006 Tehran – IRAN.
9. S. Ebrahimi, J.S. Moghaddas, Study of Effective Parameters in Better Feed Selection for Delayed Coking Process, 11th Iranian national chemical engineering congress 28-30 October 2006 Tehran – IRAN.
10. B. Moshtari, A. Ghanji, J.S. Moghaddas, H. Bakhtiari, Experimental Study on Cold Flow in Slurry-Bubble Columns, The First National Specialty Conference on Gas, 30-31 October 2006, Shiraz, Iran.
11. S. Ebrahimi, J. S. Moghaddas, Investigation on Modern Flow Measurements Techniques, 6th Iranian national chemical engineering students' congress September 2006, Isfahan, Iran.
12. J.S. Moghaddas, J. Revstedt, C. Tragardh, Comparison of Mixing between Single and Bubbly two Phase Systems in Rushton Stirred Tank, Advances in Fluid Mechanics VII, WITpress, 2-6 July 2007, Prague, Czech Republic, Oral Presentation.
13. B. Moshtari, J.S. Moghaddas, A. Ghanji, A Hydrodynamic Experimental Study of Slurry Bubble Column, Natural gas conversion VIII, Proceedings of the 8th Natural Gas Conversion Symposium, Natal, Brazil, May 27–31, 2007
14. K. Shaiesteh, J.S. Moghaddas, Study of Solid Mixing, 17thIranian national food engineering congress 14-15 November 2007 Uromieh – IRAN.
15. J.S. Moghaddas, J. Revstedt, C. Tragardh, Prediction of mixing time in a bubbly two-phase stirred tank by optical method, The 5th International Chemical Engineering Congress (IChEC 2008), Oral Presentation, 2-5 January, 2008, Kish Island, Iran.
16. R. Zadghaffari, J.S. Moghaddas, A. Ahmadlouei Darab, J. Revstedt, CFD Simulation of Power and Mixing Time for Rushton Turbine in a Baffled-Tank Reactor, The 5th International Chemical Engineering Congress (IChEC 2008), Oral Presentation.
17. A. Sadeghzadeh Nemavar, J.S. Moghaddas, A. Ahmadlouei Darab, E. Hiatimehr, Effects of Nozzle Diameter, Flow rates and Jet Angel on Mixing Time in a Jet Mixer, The 5th International Chemical Engineering Congress (IChEC 2008).
18. B. Moshtari, A. Ghanji, J.S. Moghaddas, A Hydrodynamic Experimental Study of Slurry Bubble Column, The 5th International Chemical Engineering Congress (IChEC 2008).
19. R. Zadghaffari, J.S. Moghaddas, Y. Hajizadeh, Fuzzy corrosion modeling new horizons, new opportunities, The 5th International Chemical Engineering Congress (IChEC 2008).
20. R. Zadghaffari, J.S. Moghaddas, M. Ahmadlouy Darab, J. Revstedt, A Mixing Study in a Double-Rushton Stirred Tank, ACOMEN 2008.
21. K. Shayesteh, J. Moghaddas, M. Haghighi, G. Imanzadeh, Mechanochemical solid state reaction oxidation coupling of beta-naphthole to binaphthole with $FeCl_3$-$6H_2O$ using high

speed vibration mill and investigation of parameters effects it on the yield and reaction times, Chisa 2008, 24 - 28 August 2008, Praha, Czech Republic.

22. K. Shayesteh, J. Moghaddas, Z. Nikghalb, Powder mixing and influence of solvent on mixture quality in the production ofamlodipin tablet, Chisa 2008, 24 - 28 August 2008, Praha, Czech Republic.
23. A. SadeghzadehNemavar, J.S. Moghaddas, Effect of injection angle in jet-mixing ,The 12th Iranian national chemical engineering congress 20-23 October 2008 Tabriz – IRAN.
24. H. Bargozin, J.S. Moghaddas, Designing of furnace for delayed coking pilot unit with quite uniform combustion model (complete mixing), The 12th Iranian national chemical engineering congress 20-23 October 2008 Tabriz – IRAN.
25. H. Bargozin, J.S. Moghaddas, M.K. Razavi, Qualitative simulation of steam injection in tubes of delayed coking unit furnace, The 12th Iranian national chemical engineering congress 20-23 October 2008 Tabriz – IRAN.
26. S. Saedi, J.S. Moghaddas, M. Amir Khosro, A review on fundamental liquid mixing-systems, The 12th Iranian national chemical engineering congress 20-23 October 2008 Tabriz – IRAN.
27. M. Maleki Kaklar, A. A. Babalou, J.S. Moghaddas, A. Aghaeineghad Meibodi, Flow modeling in cross flow tube-membrane (with transverse flow) using a new analytical method,The 12th Iranian national chemical engineering congress 20-23 October 2008 Tabriz – IRAN.
28. K. Ghasemzadeh, J.S. Moghaddas, T. YousefiAmiri,Experimental investigation and producing of petroleum coke, The 12th Iranian national chemical engineering congress 20-23 October 2008 Tabriz – IRAN.
29. A. Farbod, J.S. Moghaddas, Perception of processing apparatuses in virtual space as a training method in chemical engineering, The 12th Iranian national chemical engineering congress 20-23 October 2008 Tabriz – IRAN.
30. H. Barghozin, J.S. Moghaddas, M.M. Ahadian, Synthesis of Hydrophobic Nanoporous Silica Aerogels with a Fast and Cost Effective Method, 2nd International Congress On Nanoscience and Nanotechnology, 28-30 October 2008, Tabriz, Iran.
31. H. Barghozin, J.S. Moghaddas, M.M. Ahadian, Adsorption of water pollutant using functionalized mesoporous silica aerogels: synthesis and adsorption properties, International Conference on "Advances in Wastewater Treatment and Reuse" (AWTR 2009), Iran (June 30- 2 July, 2009, University College of Engineering, University of Tehran).
32. T. Yousefi Amiri, J. S. Moghaddas, A novel mixing approach in gas-liquid systems, The 6th International Chemical Engineering Congress (IChEC 2009), Oral Presentation, 16-20 November, 2009, Kish Island, Iran.
33. T. Yousefi Amiri, J. S. Moghaddas, Liquid phase mixing in a jet mixed gas-liquid system, The 6th International Chemical Engineering Congress (IChEC 2009), Oral Presentation, 16-20 November, 2009, Kish Island, Iran.

34. M. Taghavi, J. S. Moghaddas, R. Zadghaffari, Study on Mixing Power Consumption in a Dual Rushton Stirred Tank, The 6th International Chemical Engineering Congress (IChEC 2009), 16-20 November, 2009, Kish Island, Iran.
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Supervisor:

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