

PERSONAL HISTORY STATEMENT (CURRICULUM VITAE)

First Name: Mohammad
Surname: KHOSHNOODI
Date and Place of Birth: 20th. Oct. 1948, Bandar Abbas, Iran
Nationality: Iranian
Passport No.: F11306696
Marital Status: Married
Wife: Farideh Badri
Daughters: Maryam Khoshnoodi , Born 1982
Mina Khoshnoodi , Born 1985

Present Employment and Address: Professor of Chemical Engineering ,
Faculty of Engineering ,
University of Sistan and Baluchestan,
P.O. Box 98164-161
Zahedan , Iran.

Tel: (98541) 2445981-6, 2443387 (Office)
(9821) 22423302 , (98541) 2445737 (House)
Mobile : (98) 9125213608
Fax: (98541) 2447092 , (98541)2446888
E-Mail: khosh@hamoon.usb.ac.ir

University Education:

Undergraduate 1967-71: Abadan Institute of Technology, Abadan Iran,
B.Sc Petroleum and Gas Engineering .

Postgraduate 1973-74: Imperial College of Science and Technology,
University of London, England.
M.Sc Chemical Engineering , Course and Research,
D.I.C. Diploma of Imperial College.
Thesis: Flammability Limits of Flowing Combustible Gases
Supervised by: Dr. D.H. Napier.

Postgraduate 1974-78: Imperial College of Science and Technology,
University of London , England.
Ph.D Chemical Engineering.
Thesis: Combustors Based on Addition and Recirculation of Energy.
Supervised by: Prof. F. J. Weinberg.

University Teaching Experience:

1978- cont.: University of Sistan and Baluchestan, Faculty of Engineering, Zahedan, Iran.

1978 Senior Lecturer of Chemical Engineering.

1985 Associate Professor of Chemical Engineering.

1997 Professor of Chemical Engineering.

Subjects Lecturing: Heat Transfer I&II, Chemical Engineering Thermodynamics I&II, Fuels and Combustion, Fluid Mechanics, Chemical Engineering Processes, Process Control, Steam Generation, Hydraulics, Thermal Physics, Environmental Engineering, Technical English.

Advanced Heat Transfer, Advanced Combustion Engineering, Advanced Chemical Engineering Thermodynamics, Advanced Conduction, Advanced Thermal Radiation , Advanced Convection , Transport Phenomena , Thermodynamics of Non-ideal Solutions , Statistical Thermodynamics .

1990-91:

Sharif University of Technology, Faculty of Chemical Engineering, Tehran, Iran. Visiting Professor of Fuels and Combustion.

M.Sc Thesis Examiner. Supervision of Chemical Engineering Projects.

1992-95:

University Technology Malaysia (UTM) ,Faculty of Chemical and Natural Resources Engineering, Kuala Lumpur, Malaysia. Associate Professor of Chemical Engineering. Heat Transfer, Chemical Engineering Thermodynamics, Advanced Combustion, Advanced Heat Transfer, Advanced Thermodynamics, SLAB-93,94. Advanced Course for Postgraduate Studies in Overseas. Modern Energy and Combustion System in Process Industries, BATC Advanced Module.

1998-99:

Kerman University, Iran .Visiting Professor of Chemical Engineering Thermodynamics, Fuels and Combustion.

University Research Experience:

1978 - cont.:

University of Sistan and Baluchestan, School of Engineering, Zahedan, Iran. Supervision of Chemical and Mechanical Engineering Students, 45 M.Sc and 6 Ph.D Research and Thesis.

Research Topics: Simulation of Premixed Flames. Conversion of Natural Gas to Liquid Fuels. Application of Synthesis Gas in Production of Heavy Hydrocarbons (National Research Project) . Vegetable Oils as Biodiesels. Catalysts for Conversion of Synthesis Gas to Ethylene and Propylene. Corrosion Studies in Electrical Installations.

- 1985 - 86:** University of Tokyo, School of Engineering , Japan.
Institute of Interdisciplinary Research, Sabbatical Research Program,
Combustion in Spouted Beds.
- 1989 - 92:** University of Ferdowsi, Mashhad, Iran.
Department of Mechanical Engineering, M.Sc Research Thesis Examiner,
Referee, Journal of the Faculty of Engineering, University of Mashhad.
- 1992 -95:** University Technology Malaysia, Faculty of Chemical and Natural
Resourcess Engineering,Kuala Lumpur,Malaysia. Combustion of of Low
Grade Fuels in Spouted Bed Combustors. Application of ASPEN Plus,
PRO- II, and PROvision Process Simulation Softwares in Combustion
Modeling, Partial Oxidation of Natural Gas for Liquid Fuel Production ,
Shell MDS (GtL) Project. Utilization of Tropical Peats. Supervision
of M.Sc Research Projects and Internal Examiner of Ph.D and M.Sc Thesis.

University Executive Experience:

- 1979 - 80 :** University of Sistan and Baluchestan, Zahedan, Iran.
Head , Department of Chemical Engineering.
- 1983 - 85:** University Academic Vice Chancellor.
- 1987 - 92:** Dean, Faculty of Engineering.
- 1998 - cont.** Head, Office of Academic Planning, Auditing and Supervision.
- 1990 - 91:** University of Petroleum Industry, Iran. Academic Advisor.

Industrial Job Experience:

- 1971-73 :** National Iranian Gas Company, Iran.
Bid-Boland Gas Refinery, Agha Jari, Process Engineer.
- 1980-82 :** Bank of Sistan and Baluchestan Province, Zahedan, Iran.
Technical Manager, Incharge of Industrial Investments and Loans.
- 1998-99 :** Sarcheshmeh Copper Complex, Kerman, Iran.
Research and Development Division, Environmental Consultant.
- 2001-03 :** National Petrochemical Company, Iran. Gas to Liquid (GtL) Project Consultant.

Awards:

1974 : Scholarship for Ph.D Studies. Esso Petroleum Company, England.

1977 : Bursary, Central Electricity Generating Board , England.

1986 : Research Fellowship , Matsumae International Foundation .Tokyo, Japan.

1990 : Prize, Book of the Year of the Islamic Republic of Iran.

This prize consisting of 14 golden coins was then dedicated to 14 teachers serving in the campaign against illiteracy in Iran.

1999 : Prize, Honored Professor of the Iranian Universities, Iran.

Memberships:

1. Member of the Editorial Board , International Journal of Engineering, Iran, 1988 – Continued.
2. Member of the Editorial Board , Iranian Journal of Chemical Engineering, Iran , 2000 – cont.
3. Member of Chemical Engineering Committee, Ministry of Science , Research and Technology , Iran .
4. Member of Industrial Engineering Committee, Ministry of Science , Research and Technology , Iran.
5. Fellow of The Matsumae International Foundation , Tokyo, Japan ,1986 – cont.
6. Member of The Combustion Institute , U.S.A , 1974 -
7. Member of The American Institute of Chemical Engineers (AIChE) ,U.S.A .,1980 -
8. Member of The Iranian Association of Chemical Engineers (IACHE) , Iran ,1995 -
9. Member of The Iranian Society of Mechanical Engineers , Iran , 1996-
10. Member of The International Biographical Center, Cambridge, England ,1990-
11. Member of the Board of Directors , The Combustion Society of Iran , 2000 – cont.

Published Works:

Books:

1. Khoshnoodi , M., Flame and Combustion, Barnard, J.A. and Bradley, J.N., 2nd ed. Chapman and Hall, England, 1985. Translated into Farsi , Iranian University Press, Iran. (1989). Received The Award and Prize of Book of the Year , Islamic Republic of Iran, (1990).
2. Khoshnoodi , M., Engineering Thermodynamics. Astan Quds Razawi Press. Mashhad , Iran , (1991) .
- 3-4. Khoshnoodi ,M., and Noei, S.H., Heat Transfer ,Principles and Applications . University of Ferdowsi Press, Mashhad , Iran ,Vol. I (1993), and Vol. II (1995), 2nd ed . Vol. I (2001) , Vol. II (2002), 3rd ed. Vol. I (2004) , Vol.II (2007).

5. Khoshnoodi, M., Applications of Artificial Intelligence in Chemistry. Cartwright , H.M., Oxford University Press, (1995). Translated into Farsi, Azad University Press, Tehran , Iran, (2000).
6. Khoshnoodi, M., Understanding Engineering Thermo, Levenspiel , O., Prentice Hall PTR (1996), Translated into Farsi, Azad University Press, Tehran, Iran , (2003).
7. Khoshnoodi, M., Applied Problems in University Physics. University of Sistan and Baluchestan Press , Zahedan , Iran , (2004).
- 8-9. Khoshnoodi, M., Poor Seyyed, M.B., Chemical Engineering , Coulson, J.m. and Richardson, J.F. Vol. 2, 3rd. ed. and Vol. 3 , 2nd ed. Pergamon ,(1987). Translated into Farsi , Iranian University Press , Iran , (in press).

Textnotes:

1. Khoshnoodi, M., Solved Problems in Physics, University of Sistan and Baluchestan Press, Iran , (1979) , (1987) .
2. Khoshnoodi, M., Heat Transfer, Vol .1, Conduction. University of Sistan and Baluchestan Press , Iran , (1980).
3. Khoshnoodi, M., Heat Transfer, Vol. 2 , Convection . University of Sistan and Baluchestan Press , Iran , (1980).
4. Khoshnoodi, M., Flame and Combustion Phenomena , Bradley, J.N., Chapman and Hall, (1972). Translated into Farsi , Iranian University Press, (1982).
5. Farzad, A., Khoshnoodi, M. and Rahimi, R., Data Book of Sistan and Baluchestan, Bank of Sistan and Baluchestan, Iran, (1982).
6. Khoshnoodi, M., Engineering Thermodynamics with Solved Problems. University of Sistan and Baluchestan Press, Iran , (1987).
7. Khoshnoodi, M., Heat Conduction. University of Sistan and Baluchestan Press , Iran , (1990).
8. Khoshnoodi, M., Radiative Heat Transfer. University of Sistan and Baluchestan Press , Iran , (1991).
9. Khoshnoodi, M., and Raju ,G., Modern Energy and Combustion Systems in Process Industries. BATC Advanced Module. University Technology Malaysia , Kuala Lumpur , (1993).
10. Khoshnoodi ,M., Environmental Engineering. University of Sistan and Baluchistan Press , Iran , (2000) , (2002) , (2004) , (2007) .

Papers in Journals:

1. Khoshnoodi ,M.,and Weinberg, F.J., Combustion in Spouted Beds. Combustion and Flame, Vol. **33**, 11-21 , (1978).
2. Khoshnoodi ,M., Heat Generation in Spouted Beds. Matsumae International Foundation, Fellowship Research Report , Tokyo , Japan , (1986).
3. Khoshnoodi ,M., Exergy a New Term in Thermodynamics. Iranian Journal of Chemistry ,1st yr. No.3 , (1988).
4. Khoshnoodi ,M., Ergonomics. Ettelaat Elmi, 3rd yr. No.21 , Iran, (1988).
5. Hamami ,M. and Khoshnoodi, M., Gasoline. Ettelaat Elmi , 4thyr No.14, Iran, (1989).
6. Khoshnoodi ,M., Heat Generation in Spouted Bed Combustor .Iranian Journal of Science and Technology. Shiraz University ,Vol.15, No.1 , (1991).
7. Khoshnoodi ,M., Pollution Control in The Persian Gulf. Journal of the Iranain Society of Chemistry and Chemical Engineering. No. 4 , (1991).
8. Khoshnoodi, M.,Mixomechanical Machines, Le Goff, P. and Steranka, P., International Chemical Engineering, AIChE (1989). Translated into Farsi , Iranian Journal of Chemistry and Chemical Engineering. 10th yr . No. 2 , (1992).
9. Khoshnoodi, M., Spouted Bed a Novel Combustor . Buletin FKKKSA , University Technology Malaysia ,Vol. 7, (1993).
10. Khoshnoodi, M.,Vegetable Oils, the New Fuel. Iranian Journal of Chemistry. 6th yr., No.3 , (1994).
11. Khoshnoodi, M., Softwares and Simulators for Chemical Processes. Iranian Journal of Chemistry , 9th yr., No.1, (1996).
12. Khoshnoodi ,M., Investigation of Palm Oil as a Renewable Fuel for Diesel Engines. Journal of the Faculty of Engineering . Ferdowsi University of Mashhad , 8th yr., No. 2 , (1996).
13. Khoshnoodi ,M., and Lim, Y.S., Simulation of Partial Oxidation of Natural Gas By ASPEN Plus. Fuel Processing Technology .**50**, 275-289 , (1997).
14. Khoshnoodi ,M., Simulation of Premixed Gaseous Combustion.Iranian Journal of Chemistry and Chemical Engineering. 16th yr. No.1 , (1997).
15. Khoshnoodi ,M.,The Future: Benefiting from New Tools, Techniques and Teaching. Koch D.H., Chemical Engineering Progress, January 1997.Translated into Farsi , Iranian Journal of Chemistry. 10th yr., No.2 , (1997).

16. Khoshnoodi ,M., Chemical Engineering : Past, Present and Future . Iranian Journal of Engineering Education. Academy of Sciences, I.R. Iran, No.3, Vol.2 , (2000).
17. Khoshnoodi ,M., Entropy in Engineering and Sciences. Iranian Journal of Engineering Education. Academy of Sciences, I.R. Iran, No.1,Vol.3, (2001).
18. Khoshnoodi ,M., Investigation of Pollutants Generation by Simulation of Gaseous Combustion,Iranian Journal of Chemical Engineering, Vol. **1**, No. 1, 3-10, (2004).
19. Khoshnoodi, M., Fuel Subsidy in Iran, Pain or the Remedy. Combustion Society Of Iran Newsletter, No. 6 , 2-3, Aug. (2004).
20. Khoshnoodi ,M.,Greenhouse Gases and Global Warming . Journal of Mechanical Engineering , Iran . 13th yr. , No. 37 , Fall (2004) .
21. Khoshnoodi, M., Ozone Layer Depletion , Effects of the Fereons. Journal of Chemical Engineering , Iran . Vol. 3, No. 13 , January (2005).
22. Haghshenas Fard, M., Maleki, L., Khoshnoodi, M. and Mirzaei, A. , Hydrogenation of CO over a Cobalt / Cerium Oxide Catalyst for Production of Lower Olefins. Iranian Journal of Science and Technology , Transaction B, Vol. **28** , No. B6 , Shiraz University, Iran , Dec. (2004) .
23. Maleki, L., Haghshenas Fard, M., Khoshnoodi, M., Mirzaei, A., Hutching, G.H. and Taylor, S. H. , Characterization of Copper – Manganese Oxide Catalysts and their Precursors : Effect of Precipitate Aging upon the Structure and Morphology of the Precursors and Catalysts. Iranian Journal of Chemical Engineering, Vol. **1** , No. 2, 11 – 18 , (2004) .
24. Din Mohammad ,M. and Khoshnoodi,M., Investigation of CO₂ and H₂O Addition to Natural Gas for Production of the Synthesis Gas , Iranian Journal of Chemical Engineering , Vol. **2** , No. 1 , 34 – 51 , (2005).
25. Noei, S.H. , Kalaei, M.H. and Khoshnoodi , M. , Experimental Investigation of Boiling and Condensation Heat Transfer of a Two Phase Closed Thermosyphon. Internatinal Journal of Engineering, Vol. **18** , No. 1 , 37 – 43 , (2005) .
26. Khoshnoodi, M. , Najafpoor, M. , Vatani, A. and Niknam, N., Enhanced Oil Recovery by Microbial Method (MEOR). Exploration and Production, No. **26** , (2005) .
27. Atashi, H. , Akhavan, R. and Khoshnoodi, M. , The Effects of Potassium Promoter on the Syngas Conversion of Cobalt Catalysts. International Journal of Engineering, Vol. 18 , No. 3 , 285- 293 , (2005) .
28. Sargolzaei, J., Khoshnoodi, M., Saghatoleslami, N. and Mosavi, M. , Comparative Study of Artificial Neural Nets (ANN) and Statistical methods for Predicting the Performance of Ultrafiltration Process in the Milk Industry. Iranian Journal of Chemistry and Chemical Engineering , Vol. **25**, No. 2 , 67 – 76 , (2006) .

29. Razzaghi, K. and Khoshnoodi, M. , Application of Low Pressure PVT Data for Determination of the Lennard – Jones Potential Energy Function Parameters using the Second Virial Coefficient. Inter. Journal of Engineering , Iran , (In Press).
30. Emami, M. R. , Khoshnoodi, M. and Noei, S.H. , Effect of Inclination Angle and Filling Ratio on Thermal Performance of a Two –Phase Closed Thermosyphon under Normal Operating Condition. Heat Transfer Engineering , Vol. **28**(2) , Jan. (2007).
31. Saghatoleslami, N. , Mousavi, M. , Sargolzaei, J. and Khoshnoodi, M. , A Neuro – Fuzzy Model for a Dynamic Prediction of Milk Ultrafiltration Flux and Resistance. Iranian Journal of Chemistry and Chemical Engineering, Vol.**26**,No.2,53-61,(2007) .
32. Mozafarian, K. , Madaeni, S. and Khoshnoodi, M , Evaluating the Performance of Reverse Osmosis in Arsenic Removal from Water. Journal of Water and Wastewater , Vol. **60**, 22 -28 , (2007) .
33. Saghatoleslami N. , Mousavi, M. , Sargolzaei, J. and Khoshnoodi, M. , Modeling of Milk Ultrafiltration Process Using Fuzzy Inference Systems. Iranian Journal of Chemistry and Chemical Engineering (NSMSI), Vol. **26**, No.1 , 83 – 94 , (2007) .
34. Sargolzaei, J. , Khoshnoodi, M. , Saghatoleslami, N. and Mousavi, M. , Fuzzy inference System to Modeling of Crossflow Milk Ultrafiltration . Applied Soft Computing, Vol. **8** , 456 – 465 , Jan. (2008) .

Papers in Congresses and Seminars:

1. Khoshnoodi ,M., Reduction of NO_x in Combustion Processes.Proc.of Air Pollution Symp.,Tehran Polytechnic, Iran ,(1978).
2. Khoshnoodi, M., and Rahimi, R.,Some Considerations on Planning of Marine Industries in Iran. Proc .of Planning Methods Seminar ,Iranian Budget and Planning Organization , University of Ferdowsi, Mashhad, Iran, (1981).
3. Khoshnoodi ,M., Application of Plasma into Combustion Systems . Proc. of Plasma Physics Symp., Atomic Energy Organization of Iran, Tehran, (1984).
4. Khoshnoodi ,M.,Heat Generation in Spouted Bed Combustor. Proc. 2nd. Iranian Chemistry and Chemical Engineering Congress, University of Ferdowsi, Mashhad, Iran, (1987).
5. Khoshnoodi ,M., Environmental Legislation in Iran. Proc. 3rd. Iranian Chemistry and Chemical Engineering Congress, University of Sistan and Baluchestan, Zahedan , Iran, (1988).
6. Khoshnoodi ,M.,A Review of Modern Combustion Research . Proc. 3rd. Iranian Chemistry and Chemical Engineering Congress, University of Sistan and Baluchestan, Zahedan , Iran, (1988).

7. Khoshnoodi ,M., Environment and Transportation Industry in Iran. Proc. First Iranian Transportation Seminar. University of Esfahan , Iran ,(1989).
8. Khoshnoodi ,M., Protection of Ecosystems in The Persian Gulf and Oman Sea. Proc. Symp. on Natural Resources of Sistan and Baluchistan, University of Tehran, Iran, (1989).
9. Khoshnoodi ,M., Study of Chemical Pollution in The Persian Gulf and Oman Sea. Proc. Symp. on Natural Resources of Sistan and Baluchistan, University of Tehran, Iran, (1989).
10. Khoshnoodi ,M., Combustion of Coal In Fluidized Bed Furnaces. Proc. First Iranian Seminar on Coal. University of Kerman, Iran, (1992).
11. Khoshnoodi ,M., Experimental Investigation on Heat Recovery from Spouted Bed Burners. Proc.24th Int. Symp. on Combustion.The Combustion Institute ,University of Sydney , Australia, (1992).
12. Idress, M.and Khoshnoodi ,M., Engineering Research in the Islamic World.The Int. Congress for the Advancement of Science and Technology in the Islamic World. Third World Academy of Sciences . Tehran University, Iran, (1993).
13. Khoshnoodi ,M., Energy Conservation in Spouted Bed Combustor. Proc.of the National Conference on Energy and Environment Towards 2020. Institution of Engineers, Johor Bahru, Malaysia , (1993).
14. Khoshnoodi ,M., and Rozana bte Zainal Abidin., Combustion of Malaysian Peat in Fluidized and Spouted Bed Furnaces. Environment Malaysia 94 . Environmental Management & Research Association of Malaysia , Kuala Lumpur, (1994).
15. Khoshnoodi ,M., and Rozana bte Zainal Abidin., Combustion Characteristics of Malaysian Peat in Spouted Beds. Proc. 25th Int. Symp. on Combustion .The Combustion Institute , University of California, Irvine, U.S.A. , (1994).
16. Khoshnoodi ,M., and Rozana bte Zainal Abidin., Combustion of Malaysian Peat in Spouted Bed Furnace. Proc. 10th Symp. of Malaysian Chemical Engineers. USM. Penang , Malaysia , (1994).
17. Khoshnoodi ,M., and Rozana bte Zainal Abidin., Combustion of Tropical Peat in Spouted Bed Burner. Proc. European-Asean Conference on Combustion of Solids and Treatment of Products. King Mongkut's Institute of Technology ,Bangkok and Universite de Poitiers, France. Thailand,(1995).
18. Khoshnoodi ,M.,Application of ASPEN Plus in Combustion Modeling, Prco. 11th Symposium of Malaysian Chemical Engineers ,Kuala Terengganue , Malaysia, (1995).
19. Farshchi , T. F. and Khoshnoodi ,M., Thermochemical Analysis of Partial Combustion of Natural Gas for Liquid Fuel Production. Prco. 1st. Natural Gas Conversion Seminar . Tehran University, Iran, (1996).

20. Khoshnoodi ,M., and Lim ,Y.S.,Partial Oxidation of Natural Gas Using ASPEN Plus Process Simulator .Proc. 26th. Int. Symp. on Combustion. The Combustion Institute , Universita Federico II-Napoli. Italy , (1996).
21. Khoshnoodi ,M., and Lim,Y.S., Simulation of Synthesis Gas Production from Natural Gas for Conversion to Middle Distillates. Prco. 2nd. National Congress of Iranian Chemical Engineering, Amir Kabir University of Technology, Iran, (1997).
22. Khoshnoodi ,M., and Mohajer,P.,Conversion of Natural Gas to Petroleum Products. Prco. 5th. Conference of the Iranian Mechanical Engineering Society. University of Tabriz , Iran , (1997).
23. Khoshnoodi ,M., Application of Vegetable Oils as Biofuels. Prco. 5th. Conference of the Iranian Mechanical Engineering Society. University of Tabriz , Iran, (1997).
24. Khoshnoodi ,M., and Lim ,Y.S.,Partial Oxidation of Natural Gas Using ASPEN Plus. Proc. Regional Symposium on Chemical Engineering (RSCE'97) . University Technology Malaysia, Johor Bahru, Malaysia, (1996).
25. Khoshnoodi ,M., Application of ASPEN Plus in Simulation of Combustion Calculations of Premixed Flames. Proc. Third National Congress of Iranian Chemical Engineers, (IACHE). University of Petroleum Industry, Ahwaz, Iran, (1998).
26. Khoshnoodi ,M., Jamialahmadi ,M., Mohammadi,K.and Shooshtary ,M., The Effect of Salt Concentration on Gas Holdup in Agitated Vessels. Prco. 3rd. National Congress of Iranian Chemical Engineers, (IACHE). Ahwaz, Iran, (1998).
27. Khoshnoodi ,M., and Khairkhah ,M.,Investigation of Design Methods for Solar Heating and Cooling Active Systems and Their Performance for Zahedan City. Prco. 3rd. International Conference on Mechanical Engineering. Iran Univ. of Science and Technology , Tehran, (1998).
28. Khoshnoodi ,M. and Mohsenian Rad,A.F., Simulation of Combustion Phenomena in Spark Ignition IC Engines. Prco. 3rd. International Conference on Mechanical Engineering. Iran Univ. of Science and Technology , Tehran, (1998).
29. Khoshnoodi ,M., Chemical Engineering: Past, Present and Future. Keynote Speaker. Proc. 4th. National Congress of Iranian Chemical Engineers , (IACHE), Sharif University of Technology , Tehran , (1999).
30. Khoshnoodi ,M., Salari ,M.and Amiri,M.Ch., Investigation of Blockage in Klincker System of Khash Cement Plant. Proc. 4th. National Congress of Iranian Chemical Engineers, (IACHE). Sharif University of Technology , Tehran, (1999).
31. Khoshnoodi ,M., Moshfeghifar,F., Jamialahmadi ,M. and Helalizadeh, A. Operational Parameters of Calcium Sulfate Scale Formation on Heat Transfer Surfaces at High Heat Fluxes. Proc. 4th National Congress of Iranian Chemical Engineers, (IACHE). Sharif University of Technology , Tehran, (1999).

32. Khoshnoodi, M. and Aref, A.R., Study and Comparison of HAZOP and HAZAN Methods in Perchlorine Unit of Shiraz Petrochemical Complex. Proc. 4th National Congress of Iranian Chemical Engineers, (IChE). Sharif University of Technology, Tehran, (1999).
33. Khoshnoodi, M., Simulation of Premixed Gaseous Combustion by ASPEN Plus Process Simulator. Proc. APCCHE '99. Seoul National University, Seoul, Korea, (1999).
34. Khoshnoodi, M., Naseri, Sh., Ghoreishi, M.E. and Eshghi, H., Microbial Corrosion of Sewage Concrete Pipes by Sulfur Oxidizing Bacteria. Proc. 5th. National and 4th. International Congress of Chemical Engineering, Shiraz University, Iran, (2000).
35. Khoshnoodi, M., Naseri, Sh., Ghoreishi, M.E. and Eshghi, H., Microbial Corrosion of Cast Iron and Steel Pipes for Hard and Fresh Water. Proc. 5th. National and 4th. International Congress of Chemical Engineering, Shiraz University, Iran, (2000).
36. Khoshnoodi, M., Kamizi, A.R. and Yeganeh, M., Investigation of Metallic Cations in Shoor River of Sarcheshmeh Copper Complex. Proc. 5th. National and 4th. International Congress of Chemical Engineering, Shiraz University, Iran, (2000).
37. Khoshnoodi, M., Tozih, R., Atash Dehghan, R. and Daneshpazhoh, Sh., Computer Modeling and Design of Copper Extraction Process by Organic Solvent. Proc. 2nd. Iranian Congress on Non-Ferrous Metallurgy, Kerman University, Iran, (2000).
38. Khoshnoodi, M., Pollutants Generation in Combustion of Biogas. Proc. World Renewable Energy Congress –VI, UNESCO, Brighton, UK, (2000).
39. Khoshnoodi, M., Partial Oxidation of Natural Gas using ASPEN Plus Simulator, Proc. 14th. Int. Congress of Chemical and Process Engineering. CHISA 2000, Praha, Czech Republic, (2000).
40. Khoshnoodi, M., Golmohammadi, A.M. and Amiri, M., Experimental Investigation on Upgrading Ferric Oxide From Ruthner Process in Mobarakeh Steel Complex. Proc. 16th. National Congress of Chemical Engineering, Esfahan University of Technology, Iran, (2001).
41. Khoshnoodi, M., Investigation of Pollutants Generation by Simulation of Premixed Gaseous Combustion. Proc. European Congress on Chemical Engineering, (ECCE-3), Dechema, Nuremberg, Germany, (2001).
42. Khoshnoodi, M., Aga Mirzaei, A., and Hamidi, A.A., Simulation of New Technology Paint Furnace for Car Bodies. Proc. 7th. National Congress of Chemical Engineers (IChE), Tehran University, Iran, (2002).
43. Khoshnoodi, M., Experimental Investigation of Heat Generation in the Spouted Bed Furnace. Proc. 4th. Int. Symp. on Spouted Beds, 52nd. Canadian Chemical Engineering Conference, Vancouver, B.C., Canada, (2002).

44. Khoshnoodi ,M., Entropy in Science and Engineering . Keynote Speaker, Proc. 8th. National Congress of Chemical Engineers (IChE), Ferdowsi University, Mashhad , Iran, (2003).
45. Khoshnoodi ,M., Partial Oxidation of Natural Gas by ASPEN Plus. Proc. 2nd. Int. Conference on Chemistry and its Application , University of Qatar , Doha , Qatar , (2003).
46. Khoshnoodi ,M., Eshagh Nimvar, T., Roshanzamir, S. and Eikani, M. H. , A Pseudo-Homogeneous Model for Catalyst Layer of the PEM Fuel Cell. Proc. 16th. Int. Congress of Chemical and Process Engineering , CHISA 2004, Praha, Czech Republic, (2004).
47. Khoshnoodi ,M., Atashi, H., Shahraki, N. and Azizi, S. , Investigation of the Industrial Production of Biodiesels from the Esterified Vegetable Oils. Proc. First Iranian Eco-Energy Conference , University of Uromieh , Uromieh , Iran , (2004) .
48. Khoshnoodi ,M., Azmoodeh, A. and Shayegan, J. , Investigation of the effective Parameters on the Performance of the Uniaerobic Baffled Reactor. Proc. 9th. Iranian Chemical Engineering Congress, Iran University of Science and Technology, Tehran , (2004) .
49. Khoshnoodi ,M., Eshagh Nimvar, T., Roshanzamir, S. and Eikani, M. H., Modeling of the Cathode Catalyst Layer in PEM Fuel Cell. Proc. 9th. Iranian Chemical Eng. Congress , Iran university of Science and Technology , Tehran , (2004) .
50. Khoshnoodi ,M. , Combustion Characteristics of Peat in the Fluidised and Spouted Bed Furnaces. Proc. Int. Conf. on Recent Advances in Mechanical and Materials Engineering. University of Malaya , Kuala Lumpur , Malaysia , (2005) .
51. Khoshnoodi ,M., Noei, S.H. , Sarmasti, M.R. and Nemati, M. , Investigation of Periodical Boiling (Geysers) in a Two Phase Closed Thermosyphon. Proc. 10th. Iranian Chemical Engineering Congress. University of Sistan and Baluchestan , Zahedan , Iran , (2005).
52. Khoshnoodi ,M. , Akhavan, R. and Atashi. H. ,Synthetic Gas Conversion; Reactors, Mechanisms and Catalysts. Proc. 10th. Iranian Chemical Engineering Congress , University of Sistan and Baluchestan , Zahedan , Iran , (2005) .
53. Khoshnoodi ,M. , Vatani, A. , Najafpoor, M. and Behzad Asiri, H. , Investigation of Risk Parameters in Mega Projects of Petroleum Industry. Proc. 10th. Iranian Chemical Engineering Congress. Univ. of Sistan & Baluchestan, Zahedan ,(2005).
54. Khoshnoodi , M., Jafari Nasr, M.R. and Sheikh Sofla , R. , Optimum Model for Cleaning a Heat Exchanger regarding the Threshold Fouling Model. Proc. 10th. Iranian Chemical Engineering Congress, Univ. of Sistan and Baluchestan ,(2005) .
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