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BIO DATA

Date of Birth: June 11, 1964

Place of Birth: Tehran

BIOGRAPHY

B.Sc. (Hons) in Chemical Engineering, University of Birmingham, Birmingham, U.K., July 1984

M.Sc. in Biochemical Engineering, University of Birmingham, Birmingham, U.K., December 1985

Ph.D. in Biochemical Engineering, University of Birmingham, Birmingham, U.K., December 1990

Assistant Professor, Department of Chemical Engineering, Amirkabir University of Technology, Tehran, Iran, November 1991- April 2004

Associate Professor, Department of Chemical Engineering, Amirkabir University of Technology, Tehran, Iran, April 2004- February 2016

Professor, Department of Chemical Engineering, Amirkabir University of Technology, Tehran, Iran, February 2016-present

Chairman, Food and Biochemical Engineering Group, Department of Chemical Engineering, Amirkabir University of Technology, Tehran, Iran, 1995-2006, 2007-2016

Research Committee Member, Environmental Engineering Research Centre, Amirkabir University of Technology, Tehran, Iran, 2013-2015

Research Deputy, Department of Chemical Engineering, Amirkabir University of Technology, Tehran, Iran, 2009-2011

Visiting Researcher, Institute of Biosciences and Process Technology, Vaxjo University, Vaxjo, Sweden, 2000

Visiting Academic, Department of Chemical Engineering, Imperial College, London, March 2006-December 2007

Research Committee Member, Food Processing and Biotechnology Research Centre, Amirkabir University of Technology, Tehran, Iran, 2006-present

Research Committee Member, Biotechnology Research Centre, IRSOT, Tehran, Iran, 2007-2008

AWARDS AND MEMBERSHIPS

Overseas Research Student (ORS) Award, Committee of Vice Chancellors and Principals of U.K. Universities, 1985-1988

Associate Member, Institution of Chemical Engineers (IChemE).U.K.
Member, Biochemical Engineering Subject Group, IChemE, U.K.
Member, Food and Drink Subject Group, IChemE, U.K.
Member, Society of Chemical Industry (U.K.)
Member, Iranian Association of Chemical Engineers (IACHE)

CURRENT RESEARCH AREAS

Biological Treatment of Saline Oily Industrial Wastewaters
Biological Treatment of Industrial Effluents Containing Xenobiotic Compounds
The Application and Characterization of Bioreactors (Membrane Bioreactors, Sequencing Batch Reactors, Membrane Sequencing Batch Reactors and Biotrickling Filters) for Waste Water and Waste Gas Treatment Applications
The Characterisation of Bacterial Processes in Mineral Recovery and Processing
Hydrodynamic and Oxygen Transfer Studies in Pneumatically-agitated Bioreactors for Various Applications

RESEARCH PROJECTS

Circulation of Straw Particles and Gas Hold-Up Studies in Airlift Fermenters, M.Sc. Thesis, SERC Center for Biochemical Engineering, School of Chemical Engineering, The University of Birmingham, Birmingham, U.K., December 1985

Characterisation of the Performance of Air-Lift Fermenters, Ph.D. Thesis, SERC Center for Biochemical Engineering, School of Chemical Engineering, The University of Birmingham, Birmingham, U.K., December 1990

Design of a Laboratory Fermenter and Equipping of a Laboratory for Carrying Out Research on Fermentation Processing, Research Vice Chancellor, AmirKabir University of Technology, Tehran, Iran

Bacterial Biooxidation of Muteh and Zarshurun Refractory Gold Ores, National Research Project No. 341, Institute for National Scientific Research (1999- 2000)

Anaerobic-Aerobic Biological Treatment of Industrial Wastewaters using Membrane Aerated Biofilm Reactors (MABR) (Sabbatical Leave Project-Imperial College-London-March-December 2006)

One Stage and Two Stage Anaerobic-Aerobic Biological Treatment of Reactive Azo Dye Containing Synthetic Waste Waters Using Anaerobic and Aerobic Sludge, (Sabbatical Leave Project-Imperial College-London-March-December 2006)

Biological Treatment of Refinery Wastewaters Using Membrane Sequencing Batch Reactors, National Iranian Refining and Distribution Company, 2009-2010

PUBLICATIONS (Journals)

1-Jamshidi,A.M.,Sohrabi,M.,Vahabzadeh,F. and Bonakdarpour,B.(2000) *Studies on the Hydrodynamic Behaviour of and Mass Transfer in a Downflow Jet Loop Reactor with Coaxial Draft Tube*, J. Chem. Technol. Biotechnol., **76**, 39

2-Vahabzadeh,F., Bonakdarpour,B. and Ehsanipour,M.(2001), *Enzymatic Saccharification of Poplar Wood*, Scientia Iranica, **8**(3), 211

3-Vahabzadeh,F. , Niknezhadi,M.A., Bonakdarpour,B. and Ghafoorian,H.(2001) *Batch Bioleaching of Mouteh Pyritic Refractory Gold Ores Using Mixed Mesophilic Chemoautotrophic Bacterial Cultures*, AmirKabir Journal, Vol 13, No 49 (in Persian)

- 4-Jamshidi, A.M., Sohrabi, M., Vahabzadeh, F. and Bonakdarpour, B. (2001) *Hydrodynamic and Mass Transfer Characterisation of a Downflow Jet Loop Reactor*, *Biochemical Engineering Journal*, **8**, 241-250
- 5-Bonakdarpour, B., Vahabzadeh, F. and Abbasi, A. (2003) *The Application of Loofa for the Immobilisation of non-Flocculating Yeast Cells*, *Journal of Agricultural Engineering Research*, **4**(82) (in Persian)
- 6-Vahabzadeh, F., Bonakdarpour, B. and Talebnia, F. (2003) *Effect of Initial Levels and Adaptation of Mixed Cultures of Thiobacilli & Leptospirilli on Bioleaching of Motah Sulfidic Gold Ore*, *Iranian Journal of Science and Technology, Transaction B*, Vol. 27, No. B2
- 7-Soheila Shokrollahzadeh, Bonakdarpour, B. and Vahabzadeh, F. (2003) *The chemostat technique: A suitable method in kinetic studies of membrane transport of nutrients in yeast cell*, *Iranian Chemical Engineering*, **1**(7), 21-26 (in Persian)
- 8-Mehrnia, M.R., Bonakdarpour, B., Towfighi, J. and Akbarnegad, M.M. (2004) *“Design and Operational Aspects of Airlift Bioreactors for Petroleum Biodesulfurization*, *Environmental Progress*, Vol 23, No 3 (October 2004)
- 9-Mehrnia, M.R., Towfighi, J., Bonakdarpour, B. and Akbarnegad, M.M. (2004) *Influence of Top Section Design and Draft Tube Height on Performance of Airlift Bioreactors Containing Water-in-Oil Microemulsion*, *J. Chem. Technol. Biotechnol*, **79**: 260-267
- 10-Eslamzadeh, T., Nasernejad, B., Bonakdarpour, B., Zamani, A, and Esmaail Bygi, M. (2004) *removal of Heavy Metals from Aqueous Solutions by Carrot Residues*, *Iranian Journal of Science and Technology, Transaction A*, **28**(A1)
- 11-Jafarizadeh, H., Vahabzadeh, F., Bonakdarpour, B. (2004) *Microencapsulation of Cream by the Spray Drying Technique*, *Iranian Journal of Food Science and Technology*, **1**(1) (in Persian)
- 12-Razaghnia, M., Nasernejad, B., Bonakdarpour, B. and Shojaosadaty, A. (2004) *The Application of Moderate Thermophilic Microorganisms in the Bioleaching of Copper from Sarcheshmeh Copper Ore*, *AmirKabir Journal*, Vol 60(2) Autumn 2004 (in Persian)
- 13-Nasernejad, B., Eslam Zadeh, T., Bonakdarpour, B., Esmaail Bygi, M. and Zamani, A. (2005) *Comparison for biosorption modelling of heavy metals (Cr(III), Cu(II), Zn (II)) adsorption from wastewater by carrot residues*, *Process Biochemistry*, **40**, 1319-1322
- 14-Mehrnia, M.R., Towfighi, J., Bonakdarpour, B. and Akbarnegad, M.M. (2005) *Hydrodynamics of Airlift Reactors Containing a Water in Kerosene Microemulsion*, *Modarres Technical and Engineering Journal*, No 18, Winter 2005 (in Persian)
- 15-Shokrollahzadeh, S., Vahabzadeh, F., Bonakdarpour, B., Sanati, M., Persson, B.L., (2005) *Characterization of Phosphate Membrane Transport in Saccharomyces cerevisiae CEN.PK113-D5 under Low-Phosphate Conditions Using Aerobic Continuous Culture*, *Iran. J. Chem. Chem. Eng*, **24**(1), 41-51
- 16-Mehrnia, M.R., Towfighi, J., Bonakdarpour, B. (2005) *Gas holdup and oxygen transfer in a draft-tube airlift bioreactor with petroleum-based liquids*, *Biochemical Engineering Journal*, **22**, 105-110
- 17-Salehi, Z., Sohrabi, M., Kaghazchi, T. and Bonakdarpour, B. (2005) *Application of Down Flow Jet Bioreactors Implementation and Kinetic Determination of Solid-Liquid Enzyme Reactions*, *Process Biochemistry*, **40**(7) 2455-2460
- 18-Bagherpour, M., Nikazar, M. Welander, U., Bonakdarpour, B. and Sanati, M. (2005) *Effects Of Irrigation And Water Content Of Packings On Alpha-Pinene Vapours Biofiltration Performance*, *Biochemical Engineering Journal*, **24**, 185-193
- 19-Rashedi, H., Mazaheri Asadi, M., Bonakdarpour, B. and Jamshidi, E. (2005) *Environmental Importance Of Rhamnolipid Production From Molasses As A Carbon Source*, *International Journal of Environmental Science and Technology*, **2**(1), 59-62

- 20-Rashedi, H., Jamshidi, E., Mazaheri Asadi, M. and Bonakdarpour, B. (2005) *Isolation and Production of biosurfactant from Pseudomonas aeruginosa Isolated from Iranian Southern Well Oil*, International Journal of Environmental Science and Technology, **2**(2), 59-62
- 21-Ahmadi, M., Vahabzadeh, F., Bonakdarpour, B., Mofarrah, E. and Mehranian, M. (2005) *Application of the central Composite Design and Response Surface Methodology to the Advanced Treatment of Olive Oil Processing Wastewater Using Fenton's Peroxidation*, Journal of Hazardous Materials B123, 187-195
- 22-Nikazar, M., Safari, B., Bonakdarpour, B. and Milani, Z. (2005) *Improving The Biodegradability And Mechanical Strength Of Cornstarch-LDPE Blends Through Formulation*, Iranian Polymer Journal, **14**(12), 2005, 1050-1057
- 23-Rashedi, H., Jamshidi, E., Mazaheri Asadi, M. and Bonakdarpour, B. (2005) Study of Rhamnolipid production by *Pseudomonas aeruginosa* HR in mineral salts media with carbon molasses, Iranian Journal of Chemistry & Chemical Engineering, **25**(1), 17-26 (in Persian)
- 24-Sohrabi, M., Parvizi, A., Bonakdarpour, B. (2006) Synthetic study of bioremediation of soil contaminated with pesticide 2-4-dechlorophenoxyacetic acid using *Rastonia eutropha* bacterium, Iranian Chemical Engineering Magazine, **5**(23), 16-21
- 25-Ahmadi, M., Vahabzadeh, F., Bonakdarpour, B., Mehranian, M. and Mofarrah, E. (2006) *Phenolic Removal in Olive Oil Mill Wastewater using Loofah-Immobilized Phanerochaete chrysosporium*, World Journal of Microbiology and Biotechnology, **22**(2), 119-127
- 26-Ahmadi, M., Vahabzadeh, F., Bonakdarpour, B., Mehranian, M. (2006) *Empirical Modelling of Olive Oil Mill Waste Water Treatment Using Loofa-Immobilizes Phanerochaete chrysosporium*, Process Biochemistry, **41**(5), 1148-1154
- 27-Sohrabi, M., Jamshidi, A.M., Vahabzadeh, F. and Bonakdarpour, B. (2006) *Some Aspects of Microbial desulfurization of Di-benzothiophene in a Downflow Jet Loop Bioreactor With Co-axial Draft Tube*, Afinidad, **63**(522) 136-142
- 28-Karimi A, Vahabzadeh F, Bonakdarpour B. (2006) Use of Phanerochaete chrysosporium immobilized on Kissiris for synthetic dye decolorization: Involvement of manganese peroxidase, World Journal of Microbiology & Biotechnology, **22** (12), 1251-1257
- 29-Rashedi H, Assadi MM, Jamshidi E, Bonakdarpour B. (2006) Optimization of the production of biosurfactant by *Pseudomonas aeruginosa* HR isolated from an Iranian southern oil well
Iranian Journal of Chemistry & Chemical Engineering-International English Edition, **25**(1), 25-30
- 30-Rashedi H, Jamshidi E, Assadi MM, Bonakdarpour B. (2006) Biosurfactant production with glucose as a carbon source, Chemical and Biochemical Engineering Quarterly, **20**(1), 99-106
- 31-Shariati FP, Bonakdarpour B, Mehrnia MR (2007) Hydrodynamics and oxygen transfer behaviour of water in diesel microemulsions in a draft tube airlift bioreactor Chemical Engineering and Processing, **46** (4) 334-342
- 32-Shokrollahzadeh S, Bonakdarpour B, Vahabzadeh F, Sanati, M. (2007) Growth kinetics and Pho84 phosphate transporter activity of *Saccharomyces cerevisiae* under phosphate-limited conditions Journal of Industrial Microbiology & Biotechnology, **34** (1), 17-25
- 33-Karimi, A., Bonakdarpour, B., Vahabzadeh, F. (2008) Performance of a trickling-bed bioreactor for Maxilon-red decolorization by Kissiris immobilized *Phanerochaete chrysosporium* Iranian Biology Journal, **21**(1) (in Persian with English abstract)
- 34-Taghinezhad Namini, M., Heydarian, S.M., Bonakdarpour, B., Farjah, A. (2008) Removal of H₂S from Synthetic Waste Gas Streams Using a Biotrickling Filter Iranian Journal of Chemical Engineering, **5**(3):40-51

- 35-Heydarian, S.Y., Bonakdarpour, B., MirHosseini, J. (2009) Polygalacturonase production by *Aspergillus* sp. in Air-Lift and Agitated Fermentors. *Iran. J. Chem. Chem. Eng* 28, 1, 103-107
- 36- Shahbazian, N., Zokaee Ashtiani, F., Bonakdarpour, B (2009) Statistical optimization of the medium componenets for the production of protopectinases by *Bacillus subtilis*, *Food Science and Biotechnology*, 18 (2):442-448
- 37- Haghshenas, D.F., Keshavarz Alamdari, E., Amouei Torkmahalleh, M., Bonakdarpour, B., Nasernejad, B., 2009a. Adaptation of *Acidithiobacillus ferrooxidans* to high grade sphalerite concentrate. *Minerals Engineering*, 22, 1299–1306.
- 38- Haghshenas, D.F., Keshavarz Alamdari, E., Bonakdarpour, B., Darvishi, D., Nasernejad, B., 2009b. Kinetics of sphalerite bioleaching by *Acidithiobacillus ferrooxidans*. *Hydrometallurgy*, 99, 202–208.
- 39- Fattahi Moghadam, F., Zokaee Ashtiani, F., Bonakdarpour, B. (2010) Enzymatic synthesis of lactulose by commercial β -galactosidase from *Kluveromyces lactis*, *Afinidad*, 67, 546, March-April 2010
- 40-Fallah, N., Bonakdarpour, B., Nasernejad, B., Alavi Moghadam, M.R (2010) Long-term operation of submerged membrane bioreactor (MBR) for the treatment of synthetic wastewater containing styrene as volatile organic compound (VOC): Effect of hydraulic retention time (HRT), *Journal of Hazardous Materials* 178 (1-3), pp. 718-724
- 41- Fallah, N., Bonakdarpour, B., Nasernejad, B., Alavi Moghadam, M.R (2010) The Use of a submerged membrane bioreactor for the treatment of a styrene containing synthetic wastewater, *Iran. J. Environ. Health. Sci. Eng.*, 2010, Vol. 7, No. 2, pp. 115-122
- 42- Khalili, Z., Bonakdarpour, B. (2010) Statistical Optimization of Anaerobic Biological Processes for Dye Treatment, *Clean- Soil, Air, Water*,38(10), 942-950
- 43-Babae, R., Bonakdarpour, B., Nasernejad, B., Fallah, N. (2010) Kinetics of styrene biodegradation in synthetic wastewaters using an industrial activated sludge, *Journal of Hazardous Materials* 184, 111-117
- 44-Bonakdarpour, B., Vyrides, I., Stuckey, D.C. (2011) The comparison of the performance of one-stage and two-stage anaerobic-aerobic sequential biological processes for the treatment of reactive azo dye containing synthetic wastewaters, *International Biodeterioration and Biodegradation*, 65, 591-599
- 45- Pajoom Shariatee, S.R., Bonakdarpour, B., Zareh, N., Zokaee Ashtiani, F. (2011) The effect of HRT on the performance and fouling characteristics of membrane sequencing batch reactors used for the treatment of synthetic petroleum refinery wastewater, *Bioresource Technology*, 102 (2011), 7692-7699
- 46- Ghojavand, H., Bonakdarpour, B., Heydarian S. M. , Hamedi J. (2011) The Inter-Relationship between Inoculum Concentration, Morphology, Rheology and Erythromycin Productivity in Submerged Cultivation of *Saccharopolyspora erythraea*, *Brazilian Journal of Chemical Engineering*, 28(4), 565-574
- 47- Abdehagh, N., Namini, M.T., Heydarian, S.M., Bonakdarpour, B., Zareh Bonadkooki, D. (2011) Performance of a Biotrickling Filter Employing *Thiobacillus thioiparus* Immobilized on Polyurethane Foam for Hydrogen Sulfide Removal, *Iran. J. Environ. Health. Sci. Eng.*, 8(3), 245-254
- 48- Haghshenas, D.F., Bonakdarpour, B., Keshavarz Alamdari, E., Nasernejad, B., (2012) Optimization of Physicochemical parameters for Bioleaching of Sphalerite by *Acidithiobacillus ferrooxidans* using Shaking Bioreactors, *Hydrometallurgy*, 111, 22-28
- 49- Namini, M.T., Abdehagh, N., Heydarian, S.M., Bonakdarpour, B., Zareh Bonadkooki, D. (2012) Hydrogen Sulfide Removal Performance of a Biotrickling Filter Employing *Thiobacillus thioiparus* Immobilized on Polyurethane Foam under Various Starvation Regimes,

Biotechnology and Bioprocess Engineering, 17(6): 1278-1283 DOI 10.1007/s12257-012-0035-0

50- Kokabian, B., Bonakdarpour, B., Fazel, S. (2013) The effect of salt on the performance and characteristics of a combined anaerobic-aerobic biological process for the treatment of synthetic wastewaters containing Reactive Black 5, Chemical Engineering Journal, 221 (1 April (2013) 363–372

51- Abdollahzadeh Sharghi E., Roustazade P., Bonakdarpour B., Amoozegar, A., Rabani, A.R., (2013) The Biological Treatment of a High Salinity Synthetic Oilfield Produced Water in a Submerged membrane Bioreactor Using a Halophilic Bacterial Consortium, Journal of Chemical technology and Biotechnology, 88 (100): 2016-2026

52 - Hosseini Anvari M., Pazuki G., Seyfi Kakhki S., Bonakdarpour, B., (2013) Application of the SAFT-VR equation of state in estimation of physiochemical properties of amino acid solutions, Journal of Molecular Liquids, 184, 24–32

53- Abdollahzadeh Sharghi E., Bonakdarpour B. (2013) The study of organic removal efficiency and halophilic bacterial mixed liquor characteristics in a membrane bioreactor treating hypersaline produced water at varying organic loading rates, Bioresource Technology 149, 486-495

54- Khatami S.H., Zokaee Ashtiani, F., Bonakdarpour B., Mehrdad M. (2014) The enzymatic production of lactulose via transglycosylation in conventional and non-conventional media, International Dairy Journal 34, 74-79

55-Vyrides, I., Bonakdarpour, B., Stuckey, D.C. (2014) Salinity effects on biodegradation of Reactive Black 5 for one stage and two stages sequential anaerobic aerobic biological processes employing different anaerobic sludge, International Biodeterioration and Biodegradation, 95, 294-300

56- Abdehagh, N., Namini, M.T., Bonakdarpour, B., Heydarian, S.M.(2014) Effect of Operating Parameters on the Performance of a Biotrickling Filter Containing *Thiobacillus thiooparus* Immobilized on Polyurethane Foam for Hydrogen Sulfide Removal, Clean: Air, Soil and water, 42 (9), 1311–1317

57- Abdollahzadeh Sharghi E., Bonakdarpour B., Pakzadeh, M. (2014) Treatment of hypersaline produced water employing a moderately halophilic bacterial consortium in a membrane bioreactor: Effect of salt concentration on organic removal performance, mixed liquor characteristics and membrane fouling, Bioresource Technology 164, 203-213

58- Farmani, F., Bonakdarpour, B., Ramezani-pour, A.A. (2014) pH reduction through amendment of cement mortar with silica fume enhances its biological treatment using bacterial carbonate precipitation, Materials and Structures, DOI 10.1617/s11527-014-0391-7

59-Babaei, R., Bonakdarpour, B., Ein-Mozaffari, F. (2015) The Use of Electrical Resistance Tomography for the Characterization of Gas Holdup inside a Bubble Column Bioreactor Containing Activated Sludge, Chemical Engineering Journal, DOI:10.1016/j.cej.2015.01.042, Chemical Engineering Journal, 268 , 260–269

60- Babaei, R., Bonakdarpour, B., Ein-Mozaffari, F. (2015) Analysis of gas phase characteristics and mixing performance in an activated sludge bioreactor using electrical resistance tomography, Chemical Engineering Journal, DOI: 10.1016/j.cej.2015.05.072, 279 (2015) 874–884 (1 November 2015)

61- Pajoom Shariatee, S.R., Zareh, N., Bonakdarpour, B. (2017) Considering Membrane Sequencing Batch Reactors for the Biological Treatment of Petroleum refinery Wastewaters,

PUBLICATIONS (Conferences)

- 1-Bonakdarpour,B., Kim,S.W., Wase,D.A.J. and McManamey,W.J. (1986) *Investigation into the Production of Enzymes from Straw by Aspergillus fumigatus IMI255091*, Cellucon Conference, July 1986, Wales, U.K.
- 2-Bonakdarpour,B., McManamey,W.J., Thayanithy,K. and Bartlett,G. (1994) *The Development of a Flow Follower Method for the Measurement of Liquid Circulation and Mixing Inside Airlift Fermenters*, Second Conference on Advances in Biochemical Engineering (Biotechnology 94), July 1994, Brighton, U.K.
- 3-Bonakdarpour,B. and Vahabzadeh,F, (1995) Eight National Food Industries Congress, February 1995, Karaj, Iran
- 4-Bonakdarpour,B. and Vahabzadeh,F, (1997) *Application of Baker's Yeast and Enzymes to the Improvement of Bread Quality*, First National Food Safety Seminar, Mashad, Iran
- 5-Bonakdarpour,B., Dabir,B and Madadinoee,A. (1998) Food Industries Seminar,:The Importance and Role of Design and Engineering in the Food Industries, June 1998, Mashad, Iran
- 6-Dabir,B,Badii,Kh. and Bonakdarpour,B.(1998) Second International Non-Renewable Energy Sources Congress, December 1998, Tehran, Iran
- 7-Dabir,B.,Badii,Kh.,Alaie,S.M.,Sahimi,M. and Bonakdarpour,B.(1998) International Conference on Energy Research and Development, November 1998, State of Kuwait
- 8-Bonakdarpour,B., Vahabzadeh,F. and Zeynali,S.D.(1999) *The Use of Immobilised Sachharomyces cerevisiae Cells in the Batch Ethanol Fermentation*, Fourth Iranian Chemical Engineering Congress, February 1999, Tehran, Iran
- 9-Dabir,B.,Bardal,D., Bonakdarpour,B. and Badii,Kh.(1999) Eighteenth IASTED International Conference on Modeling, Identification and Control, February 1999, Innsbruck, Austri
- 10-Bonakdarpour,B.,Vahabzadeh,F. and Ehsanipour,M.(2000) *The Production of Glucose from Iranian Poplar alba Wood*, Fifth International Chemical Engineering Congress, April 2000, Shiraz, Iran
- 11-Jamshidi,A.M.,Sohrabi,M.,Vahabzadeh,F. and Bonakdarpour,B.(2000) *Biohydrogenation of Dibenzothiophene to Biphenyl and Hydrogen Sulfide by Desulfovibrio desulfuricans*, First National Congress of Biotechnology, February 2000, Tehran, Iran
- 12-Jamshidi,A.M.,Sohrabi,M.,Vahabzadeh,F. and Bonakdarpour,B.(2000) 5th International Chemical Engineering Congress, April 2000, Shiraz, Iran
- 13-Bonakdarpour, B. (2001) *A Review of the Use of Biotechnological Methods in the Production of Food Products* , Seminar on Biotechnology and the Future, Mashad, Iran
- 14-Bonakdarpour, B., Vahabzadeh, F. and Farzad, M.R. (2001) *The Production of Fermentation Products from Poplar alba Wood*, 6th Iranian Chemical Engineering Congress, Isfahan, Iran
- 15-Bonakdarpour, B. and Naderi, S. (2001) *The Study of Operational Variables in the Batch Ethanol Process Using Immobilised Yeast in a Fermentation Vessel Containing a Cell Retaining Means*, 6th Iranian Chemical Engineering Congress, Isfahan, Iran
- 16-Bonakdarpour,B. (2001) *Key Note Speech:Food Biotechnology*, 2nd Iranian Biotechnology Congress, Karaj, Iran

- 17-Loghmani, A., Bonakdarpour, B., Rezae, M. and Rashidi, F. (2001) *Investigating the Feasibility of MEOR for Iranian Oil Fields*, 6th Iranian Chemical Engineering Congress, Isfahan, Iran
- 18-Loghmani, A., Bonakdarpour, B., Rezae, M. and Rashidi, F. (2001) *The Study of MEOR Mechanisms in a Laboratory Porous Model*, 2nd Iranian Biotechnology Congress, Karaj, Iran
- 19-Zareekar, B., Bonakdarpour, B., and Dabir, B. (2002) *Emulsion Coatings for Fruits and the Benefits of its Use in Iran*, 13th National Iranian Food Industries Congress” Amirkabir University of Technology, Tehran, Iran
- 20-Jafarizadeh, H., Vahabzadeh, F., Bonakdarpour, B. (2002) *Microencapsulation of Milk Fat (Cream)*, 13th National Iranian Food Industries Congress” Amirkabir University of Technology, Tehran, Iran
- 21-Kashefi, Kh., Nasernejad, B. and Bonakdarpour, B. (2002) *The Study of the Removal of Glucose from Liquid Egg for the Production of Egg Powder*, 13th National Iranian Food Industries Congress” Amirkabir University of Technology, Tehran, Iran
- 22-Ahmadi, M., Vahabzadeh, F. and Bonakdarpour, B. (2002) *The Study of the Possibility of the Industrial Production of Citric Acid from Dates*, 13th National Iranian Food Industries Congress” Amirkabir University of Technology, Tehran, Iran
- 23-Razaghnia, M., Nasernejad, B., Bonakdarpour, B. and Shojaosadaty, A. (2002) *The Application of Thermophilic Microorganisms in the Bioleaching of Copper*, 7th Iranian Chemical Engineering Congress, Tehran University, Tehran, Iran
- 24-Jafarizadeh, H., Vahabzadeh, F., Bonakdarpour, B. (2002) *Microencapsulation of Cream by the Spray Drying Technique*, The Eight Iranian National Chemical Engineering Congress, Mashad, Iran
- 25-Mirhosseini, S.D., Heydarian, M., Bonakdarpour, B. and Hormozi, F. (2002) *The Comparison of the Production of Pectinase Enzymes by a Mutated Species of Aspergillus Fungi in Stirred Tank and Airlift Bioreactors*, 7th Iranian Chemical Engineering Congress, Tehran University, Tehran, Iran
- 26-Mirzaee, A.M., Golbabaee, F. and Bonakdarpour, B. (2002) *“Biological Degradation of Phenol Vapours in a Biofilter by the Use of Microorganisms Present in Activated Sludge*, 7th Iranian Chemical Engineering Congress, Tehran University, Tehran, Iran
- 27-Bonakdarpour, B., Vahabzadeh, F. and Madadi, H.R. (2003) *Biodelignification of Cane Bagasse*, Proceedings of the First Congress on Cellulosic Processing and Utilization,
- 28-Bonakdarpour, B., Arami, M. and Mashadi, M. (2003) *Preparation of Sodium Alginate from Sargassum hystrix Algae from the Southern Coasts of Iran and its Use for Yeast Cell Immobilization*, The Eight Iranian National Chemical Engineering Congress, Mashad, Iran
- 29-Ghojavand, H., Bonakdarpour, B., Heydarian, S.M. and Hamed, J. (2003) *Investigation of the Variation and Interaction of Morphological, Rheological Parameters and Dry Weight in S. Erythrae Culture*, The 3rd National Congress of Biotechnology, Mashad, Iran
- 30-Ghojavand, H. and Bonakdarpour, B. (2003) *Overview of Biological Degradation of Soil Contaminated with Explosives*, The 3rd National Congress of Biotechnology, Mashad, Iran
- 31-Taati, M., Bonakdarpour, B. and Heydarain, S.M. (2003) *The Effect of Change in the Inoculum Concentration on the Morphology and Rheology of Aspergillus Species fermentation Broths and the Activity of Pectinase Enzymes*, The 3rd National Congress of Biotechnology, Mashad, Iran
- 32-Ghojavand, H., Bonakdarpour, B. (2003) *The Effect of Morphology on Rheology and Erythromycin Production in Saccharopolyspora erythrae Fermentations*, The Eight Iranian National Chemical Engineering Congress, Mashad, Iran

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