## Dr. M.Reza MOZDIAN FARD

CURRICULUM VITAE

***PERSONAL DETAILS:***

D.O.B.: 27TH July 1963

Health: Good

Languages: Persian, English,

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***EDUCATION:***

* 1. High School Studies.
  2. Bourneville College of F.E., A-Level.
  3. University of Birmingham, BSc.(Eng)
  4. University of Birmingham, MSc.(Eng)
  5. University of Birmingham, MPhil.

1998-2002 University of Birmingham, PhD

2001-2003 Assn. for Invest. Mng.t & Res.-AIMR, USA Candidate for Chartered Financial Analyst,

2002-2004 Candidate - Certificate for Securities and Financial Derivatives, Financial Services Authorities, London.

***QUALIFICATIONS***

Ph.D. Manufacturing and Mechanical Eng. (15th April 2002, degree award: July 2002)

M.Phil studies were extended with a view to examine a proposed technique to enhance breakage of particles in Chemical and Mineral Processing by surface induced shear in a novel new mill design proposed by myself for the first time. This approach proved successful as several improvements in the size reduction technique and associated energy consumption were identified.

M.Phil. (Qual) Man & Mech. Eng. (MAR 1995)

This was a Study of Particle Breakage in High Pressure Comminution. On my own initiative I negotiated successfully the inception, sponsorship and contract of the research project with Rolls Royce and its subsidiary NEI at Derby, England. Work started at Chem. Eng., but in view of the new conceptual design introduced and other factors, the conduct of the study was transferred to Man. and Mech. Eng. in collaboration with Inter-disciplinary Research Centre (IRC) at Birmingham University. Newly developed High Pressure Roll Mill, considered as the most important technological advancement in comminution in the last 40 years as well as attrition mills were studied and improvements in the comminution techniques were suggested. The work was recommended to be continued for PhD.

M.Sc. (M.Eng.) Integrated Management Systems – (SEP 1991)

Subjects studied are: Organisations as Systems, Management Accounting Systems, Work Design & Measurement, Manufacturing Systems, Material Handling, Logistics, Quality and Reliability, Metrology, Management of Change and Time, Ergonomics, Industrial Relations, Manpower and Payment Systems, Stock Control, Forecasting, Economic Analysis, Scientific Methods, Marketing, Finance, Industrial Law, Advanced Statistics, Computing and Programming (Pascal), Databases, Simulation, Case Studies, Communication Course (outdoor), Industrial Research Project.

B.Sc. (B.Eng.) (Hons.) Chemical Engineering. (JUN 1990)

Subjects studied include: Mathematics, Chemistry, Thermodynamics, Heat Transfer, Fluid Flow, Mass Transfer, Reaction Kinetics, Process Control, Tech. Drawing, Eng. Design, Water Technology, Pollution and Environmental Health, Safety and Hazard Studies, Combustion Eng., Mineral Process Eng., Powder Technology, Fundamentals of Electrical Eng., Statics and Civil Eng., Biochemical Eng., Material Science, Plastics and Polymer Eng., Mathematical Modelling, Computer Programming (BASIC & FORTRAN), Ind. Law, Economics, Industrial Management, Statistics.

G.C.E. Advanced Level (JUN 1986)

Pure Mathematics, Chemistry, Physics , JMB and Cambridge 1st Certificate in English

Diploma in Experimental Science. (JUN 1981)

Equivalent to GCE Ordinary Level in: Physics, Chemistry, Biology, Mathematics, Geology, Geography, Social Science, History, Persian Literature and English

***PUBLICATIONS***

***Research Journals and ISI articles***

1- M.M. Abolhasani, A.Arefazar, M. R. Mozdianfard; "Effect of dispersed phase composition on morphological and mechanical properties of PET/EVA/PP ternary blends"; J. Polymer Science: Part B: Polymer Physics; (2009) 251-259.

2- H. Bakhshandeh, M. R. Mozdianfard, A. Siamaki; "Predicting of blasting vibrations in Sarcheshmeh copper mine using neural network"; Safety Science; (2010) 319-325.

3- A. Ghorbanpoor Arani, Z. Khodami Maraghi, M. R. Mozdianfard, A. R. Shajari; "Thermo-piezo-magneto-mechanical stresses analysis of FGPM hollow rotating thin disk"; Int. J. Mech Mater. Des.; (2010) 341-349.

4- M. Akhbari, H. Batooli, M. R. Mozdianfard; "Comparative study of composition and biological activities of SDE prepare essential oils from flowers and fruits of two Hypericum species from central Iran"; Natural Product Research; 26(3) (2012 **)**193-202.

5- A. Dehghani Kiadehi, M. Jahanshahia, M. Mozdianfard, G. R. Vakili-Nezhad, R. Jabari Seresht; "Influence of the solution temperature on carbon nanotube formation by arc discharge method"; Journal of Experimental Nanoscience; 6(4) (2011) 432-440.

6- A. Ghorbanpour Arani, A. A. Mosallaie Barzoki, R. Kolahchi, M. R. Mozdianfard, A. Loghman; "Semi-analytical solution of time-dependent electro-thermo-mechanical creep for radially polarized piezoelectric cylinder"; Computers and Structures; (2011) 1494-1502.

7- A. Ghorbanpour Arani, M. S. Zarei, M. Mohammadimehr, A. Arefmanesh, M. R. Mozdianfard; "The thermal effect on buckling analysis of a DWCNT embedded on the Pasternak foundation"; Physica E; 43(9) (2011) 1642-1648.

8- S. J. Sadatinejad, S. Angabini, M. Shayannejad, M. R. Mozdianfard; "Using intelligence models to estimate evapotranspiration"; ENVIRONMENTAL SCIENCES; 8(2) (2011) 1-10.

9- A. Bahmanyar, N. Khoobi, M. R. Mozdianfard, H. Bahmanyar; " The influence of nanoparticles on hydrodynamic characteristics and mass transfer performance in a pulsed liquid-liquid extraction column"; Chemical Engineering and Processing: Process Intensification, 50 (11–12) ( 2011) 1198-1206.

10- A. Ghorbanpour Arani, R. Bakhtiari, M. Mohammadimehr, M. R. Mozdianfard; " Electromagnetomechanical responses of a radially polarized rotating functionally graded piezoelectric shaft"; Turkish J. Eng. Env. Sci.; 35 (2011) 1-12.

11- A. Ghorbanpour Arani, S. Amir, A.R. Shajari, M.R. Mozdianfard; " [Electro-thermo-mechanical buckling of DWBNNTs embedded in bundle of CNTs using nonlocal piezoelasticity cylindrical shell theor](http://www.sciencedirect.com/science/article/pii/S1359836811004598)y"; Composites Part B: Engineering, 43 (2) (2011) 195-203.

12- A.A. Mosallaie Barzoki, A. Ghorbanpour Arani, R. Kolahchi, M.R. Mozdianfard, A. Loghman; " [Nonlinear buckling response of embedded piezoelectric cylindrical shell reinforced with BNNT under electro–thermo-mechanical loadings using HDQM](http://www.sciencedirect.com/science/article/pii/S1359836812000972)"; Composites Part B: Engineering, In Press, Corrected Proof, Available online 20 January 2012.

13- A.A. Mosallaie Barzoki, A. Ghorbanpour Arani, R. Kolahchi, M.R. Mozdianfard; "Electro-thermo-mechanical torsional buckling of a piezoelectric polymeric cylindrical shell reinforced by DWBNNTs with an elastic core"; Applied Mathematical Modelling, 36 (7) ( 2012) 2983-2995.

14- S.J. [Sadatinejad,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35325206400&zone=)  M. [Heydari,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55179387300&zone=) A. [Honarbakhsh,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35763576900&zone=) K.H. [Abdollahi,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55179481500&zone=) M.R. [Mozdianfard,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35330437500&zone=) "[Modelling of concentration time in north Karoon river basin in Iran](http://www.scopus.com/record/display.url?eid=2-s2.0-84859529477&origin=resultslist&sort=plf-f&src=s&st1=mozdianfard&sid=3NSz4R73WnBl9xwTV1clJ1l%3a30&sot=b&sdt=b&sl=24&s=AUTHOR-NAME%28mozdianfard%29&relpos=1&relpos=1&searchTerm=AUTHOR-NAME%28mozdianfard%29)"; World Applied Sciences Journal; 17 (2) (2012) 194-204.

15- N. [Khoobi,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37110885100&zone=) A. [Bahmanyar,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37110644600&zone=) H. [Molavi,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36806649400&zone=) D. [Bastani,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8416809600&zone=) M.R. [Mozdianfard,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35330437500&zone=) H. [Bahmanyar,](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602919770&zone=) "[Study of droplet behaviour along a pulsed liquid-liquid extraction column in the presence of nanoparticles](http://www.scopus.com/record/display.url?eid=2-s2.0-84859391046&origin=resultslist&sort=plf-f&src=s&st1=mozdianfard&sid=3NSz4R73WnBl9xwTV1clJ1l%3a30&sot=b&sdt=b&sl=24&s=AUTHOR-NAME%28mozdianfard%29&relpos=2&relpos=2&searchTerm=AUTHOR-NAME%28mozdianfard%29)"; [Canadian Journal of Chemical Engineering](http://www.scopus.com/source/sourceInfo.url?sourceId=16366&origin=resultslist), In Press, 2012.

16- A. Ghorbanpour-Arania, V. Sadooghi, M. R. Mozdianfard, M. Mohammadimehr, "Thermo-elastic behavior of a thick-walled composite cylinder reinforced with functionally graded SWCNTs"; Journal of Nanostructures; JNS 1 (2012) 27-38.

17- A. Ghorbanpour Arani, M.R. Mozdianfard, V. Sadooghi, M. Mohammadimehr, R. Kolahchi, "Magneto-Thermo-Elastic bBehavior of cylinder reinforced with FG SWCNTs under transient thermal field", Journal of Solid Mechanics; Vol. 3, No. 1 (2011) pp. 9-18.

18- A. Honarbakhsh, S. J. Sadatinejad, M. Heydari, M.R. Mozdianfard, "Lag Time Forecasting in a River Basin", Environmetal Science, Vol. 8, No.1, Automn 2012, 39-50.

19- S.J. Sadatinejad, M. Heydari, A. Honarbakhsh, K.H. Abdollahi, M.R. Mozdianfard, "Modeling of concentration time in North Karoon river basin in Iran", World Applied Sciences Journal, Apr 2012.

20- H. Karkhanechi, H. Kazemian, H. Nazockdast, M. R. Mozdianfard, S. M. Bidoki, "Fabrication of homogenous polymer-zeolite nanocomposites as mixed-matrix membranes for gas separation", Chemical Engineering Technology, 2012, 35, 1–9.

21-M. Zahedifar, M.R. Mozdianfard, "Effects of silicon nanowires length on solar cells photovoltaic properties", Applied Physics A, Accepted & under publication (2012).

22- F. Masoodiyeh, M.R. Mozdianfard, J. Karimi Sabet; "Modeling thermodynamic behavior of PVTx properties for several water/hydrocarbon systems in near-critical and supercritical conditions"; under review-The Korean journal of Chemical Engineering; (2012).

23- A. Ghorbanpour Arani, M. Shokravi, S. Amir and M.R. Mozdianfard; "Nonlocal electro-thermal transverse vibration of embedded fluid-conveying DWBNNTs; Journal of Mechanical Science and Technology 26 (5) (2012) 1455~1462

24- H. Karkhanechi, H. Kazemian, H. Nazockdast, M. R. Mozdianfard, S. M. Bidoki; " Fabrication of homogenous polymer-zeolite nanocomposites as mixed-matrix membranes for gas separation"; Chemical Engineering Technology; 2012, 35, No. 00, 1–9.

25- H. Mansoorian, M. R. Mozdianfard, M. Hemmati, F. Rekabdar; "Performance evaluation of a thin film composite polyamide nanofiltration membrane considering the reaction time" Under review-Journal of Membrane Science (2012)

26- H. Mansoorian, M. R. Mozdianfard, M. Hemmati, F. Rekabdar; "Modifying polyacrylonitrile based ultrafiltration membranes by post-treatment process for desalination" Under review-Journal of Membrane Science (2012)

***Conference articles***

1- M. Saffari, B. Ebrahimi, M. R. Mozdianfard; "Processing barite jigs tailings at Dorrin Kashan factory by floatation", 1st Iranian mineral processing conference, Tehran, Nov. 2004.

2- M. Saffari, M. R. Mozdianfard; "Processing suitable barite for oil drilling using floatation and leaching at Dorrin Kashan factory", 1st Iranian Petroleum Engineering Conference, Tehran, Jun. 2006.

3- M. Saffari, M. R. Mozdianfard, A. Farzanegan, A. Rastiolhoseiny; "Optimizing barite suitable for drilling mud by gravity separation at Dorrin Kashan factory"; 1st Iranian Petroleum Engineering Conference, Tehran, Jun. 2006.

4- M. Saffari, M. R. Mozdianfard;"Influence of extracting minerals on miners' ill health and their environment", 1st National Conference on Environment, Occupation and Cancer in Iran" Tehran, June 2006.

5- M. Saffari, M. R. Mozdianfard; "Influence of mining extraction technique on environmental pollution"; 1st National Conference on Environment, Occupation and Cancer in Iran" Tehran, June 2006.

6- M. Saffari, M. R. Mozdianfard, M. Kashani; "Production of appropriate activated carbon for treating mining effluent and industrial waste"; 1st National Conference on Environment, Occupation and Cancer in Iran" Tehran, June 2006.

7- M. Saffari, M. R. Mozdianfard, A. Saffari; "ISO 14000, Efficient control of environmental management in mines"; 2nd International Conference on Health, Safety, Environment; Tehran, Nov. 2009.

8- M. Saffari, M. R. Mozdianfard, A. Saffari; "Mining managing considering environmental pollution", 2nd International Conference on Health, Safety, Environment; Tehran, Nov. 2009.

9- M. Naderi, M. R. Mozdianfard; "A Comparative Review on Disinfection Methods in Water Treatment; 1st International Conference on Advances in Water Treatment and Reuse"; Tehran; Nov. 2009.

10- M. Abolhasani, A. Jalali, M. R. Mozdianfard; "A New Model for Prediction of Ternary Blends Modulus; 9th Iinternational Seminar on Polymer Science and Technology"; Tehran; Oct. 2009.

11- M. Abolhasani, A. Arefazar, M. R. Mozdianfard, A. Jalali; "Effect of Shell Phase Viscosity on Morphological Properties of Core-Shell Blends; 9th International Seminar on Polymer Science and Technology"; Tehran; Oct. 2009.

12- H. Bakhshandeh Amnieh, M.R. Mozdianfard, A. Siamaki, S. Nadimi; "Health and safety at workstations of Gotvand Olya Dam, Khoozestan-Iran"; 2nd International Conference On Health, Safety, Environment; Tehran; Nov. 2009.

13- M. Akhbari, M.R. Mozdianfard, M. Kaviyani, H. Batooli; "Comparative yield and antioxidant properties of aqueous extract of Hypericum perforatum L. by using different method extraction"; 17th Iranian Seminar of Analytical Chemistry; Kashan; Sep. 2010.

14- M. R. Mozdianfard, Y. Zare; "PP/Nanoclay/ CaCO3 Ternary Nanocomposite: A Review; The 2nd International Conference. on Composites: Characterization, Fabrication and Application"; Kish Island; Dec. 2010.

15- M.R. Mozdianfard, M. Akhbari, H. Gholami; "Comparative study of antioxidant activity of extracts from Iranian Pterocarya fraxinifolia L. leaves and stems"; 17th Iranian Seminar of Analytical Chemistry; Kashan; Sep. 2010.

16- M.R. Mozdianfard, Y. Zare; "Application of composite theories for modelling tensile modulus of PP/Nanoclay/CaCO3 Hybrid nanocomposite"; The 2nd Int. Conference on Composites: Characterization, Fabrication and Application; Kish Island; Dec. 2010.

17- M. Khajenoori, M. Asghari, M. R. Mozdianfard; "Recent desalinations of brine: A review"; 1st Int. Conference on Advances in Water Treatment and Reuse; Tehran; Nov. 2009.

18- E. Behranvand, M. Asghari, M. R. Mozdianfard; "A new approach in classification of modelling for reverse osmosis process- A critical review"; 6th Int. Conference of Chemical Engineering; Kish Island; Nov. 2009.

19- N. Razavi, M. R. Mozdianfard, I. Akbari; "Prediction of concentration polarization using liquid phase activity coefficients"; 13th Iranian national chemical engineering congress & 1th Int. Regional Chemical and Petroleum Engineering; Kermanshah; Oct. 2010.

20- M. R. Mozdianfard, S. Nadimi, A. Bahri, M. B. Almasi; "Safety and harmful elements of the working environments at Bama Lead and Zinc production co. – Central Iran"; 2nd Int. Conference on Health, Safety, Environment; Tehran; Nov. 2009.

21- M. R. Mozdianfard, S. Nadimi, Z. S. Mirzaei; An analysis of salt mining methods in Iran problems facing production units", 1st National Conference of Salt, Semnan, Oct. 2008.

22- R. Alinia, M. R. Mozdianfard, M. Asghari; "Removal of microorganisms from liquids by means of carbon nanotube membranes; 2nd Conference on Separation Science Engineering (CSSE2010)"; Tehran; May 2010.

23- M. R. Mozdianfard, S. Nadimi, A. Bahri, M. B. Almasi; Investigating lead particle size distribution in breathing working area at Irankooh Mining Complex-Isfahan, 3rd Iranian Mining Engineering Conference and Exhibition;Yazd; Jan. 2010.

24- F. Shariatmadar, M. R. Mozdianfard; "Nonomaterials, new technologies in water and wastewater treatment"; Int. Conference on Water and Wastewater with Focus on Privatization and Benchmarking; Tehran; Apr. 2011.

25- A Dehghani Kiadehi, M. R. Mozdianfard, G.Vakilinejad, R. Jabari Seresht; "Synthesis of carbon nanotubes by arc-discharge in water: a novel double wall beaker set-up"; 6th Int. Conference of Chemical Engineering; Kish Island; Nov. 2009.

26- M. R. Mozdianfard, E. Behranvand; "Crude oil fouling in shell and tube preheat train heat exchangers- a review"; 2nd Int. Conference on Heat Exchangers in Oil and Energy Industries; Tehran, Oct. 2009.

27- M. R. Mozdianfard, H. Batooli, M. Akhbari, M. Roshani, R.Shahbala; "Evaluation of Viola Pachrrhiza total phenolic compounds"; 16th Iranian Conference of Organic Chemistry"; Zanjan; Aug. 2009.

28- M. Akhbari, M. R. Mozdianfard, H. Batooli, R. Shahbala, M. Roshani; "Comparative antioxidant effects of Viola Pachyrrhiza Extracts; 16th Iranian Conference of Organic Chemistry"; Zanjan; Aug. 2009.

29- M. Khajenoori, M. R. Mozdianfard, M. Asghari; "A review on application and restrictions of membrane bioreactors in water and wastewater treatments"; Int. Conference on Water & Wastewater Treatment; Isfahan; Apr. 2010.

30- M.R. Mozdianfard, Z. Jali, F. Masoodiyeh; "Radionuclide waste management in synthetic rock “Synroc”: a review"; The 5th National Conference and Exhibition on Environmental Engineering; Tehran; Nov. 2011.

31- M.R. Mozdianfard, M.E. Zakerifard; "Investigating electro-membranes processes for water treatment-applications and advantages", 5th National Conference and Exhibition on Environmental Engineering; Tehran; Nov. 2011.

32- M.E. Zakerifard, M.R. Mozdianfard, M. Filizadeh; "Application of solar distillation units for water treatment", 5th National Conference and Exhibition on Environmental Engineering; Tehran; Nov. 2011.

33- M.R. Mozdianfard, E. Behranvand; "Calculating fouling resistance coefficient in crude oil pre-heat exchangers by a spreadsheet"; 3rd Int. Conference on Heat Exchangers in Oil and Energy Industries; Tehran; Nov. 2011.

34- M.R. Mozdianfard, E. Behranvand; "A field study on fouling of preheat exchangers in the crude oil distillation units at Esfahan refinery", 3rd Int. Conference on Heat Exchangers in Oil and Energy Industries; Tehran; Nov. 2011.

35- M.R. Mozdianfard, F. Masoodiyeh; "Inherently safer design techniques during preliminary design stage: Index-based approaches "; The 4th National Congress on Safety Engineering and HSE Management; Tehran, Feb. 2012.

36- A. Bahmanyar, M.R. Mozdianfard, F. Heidari, N. Khoobi, H. Bahmanyar; "Possibility of Petrochemical Waste Water Treatment Using a Liquid-Liquid Extraction RDC Contactor"; Under review for The 14thIranian National Chemical Engineering Congress (IChEC 2012); Sharif University of Technology, Tehran, Iran, 16-18 October, 2012

37- F. Meshkani, M.R. Mozdianfard, M.V. Maghrebi; " Nanotechnology; Positive and Negative Environmental Impact"; International Congress on Nanoscience & Nanotechnology (ICNN2012) 8–10, September 2012, Kashan, Iran. (accepted)

***WORK***

University of Kashan, Water research Centre Kashan. (Dec 11 - Present)

Following co-operation with Abfa Kashan in securing a 87Bn Iranian toman from Islamic Development Bank, for the waste treatment plant of Kashan , became interested in water and wastewater studies, lectured and researched on it for more than 4 years at the university and eventually helped setting up a "water research centre". I am presently heading this research centre at the University and have managed to run a successful conference on "Water Crisis in Kashan Plane".

University of Kashan, Head of Chemical Engineering Department (Jun 2007-Jun 11).

I was elected twice as the head of the Chemical Engineering Department, at the University of Kashan, each time for 2 years. During this period, MSc and PhD courses in Chemical Engineering was introduced. I was also responsible for introducing both Production Engineering Department and Metallurgy and Material Engineering Department at this university and worked actively as a member of the select committee for lecturers.

Doreen Kashan, Kashan (JUN 04-Dec 06)

Research & Development Manager, Floatation Project Manager, Advisor to M.D., with a view to improve production systems and implementing an MRP, conducted several projects including improvements to jigs, design, inspection, & installation of 12000 t/y Barite floatation pilot plant for the first time in Iran, optimization of energy consumption, computerization of the laboratory data transfer as part of the integrated MRP, maintenance of the jigs, Raymond mills & other subsidiaries of comminution plants, unit operation drawings, Health and Safety improvements, Bentonite drying and crushing optimisation studies.

University of Kashan, Kashan. (SEP 03-Present)

University lecturer lecturing for BSc, MSc and PhD students on Unit Operations, Heat Transfer, Plant Design & Economics, Industrial Management, Technical Language, Environmental Engineering, Water and wastewater treatment, Safety Engineering. I have also supervised numerous technical R & D projects for BSc, MSc and lately PhD students related to Esfahan Refinery, Dorrin Kashan, and several other local and national companies.

Iran Magnesite, Tehran (MAR 03- APR 04)

Research & Development manager, worked on a several aspects of production improvements of the magnesium oxide plant in Khorasan. Also, R & D studies with a view to develop new products for the national and international market in the refractory industries.

Process Industry Companies Representative (SEP 03-JAN 05)

Upon my return to Iran I successfully negotiated and became Representatives of several major European Companies in Iran and Middle East in Process Industries. These include a manufacturer of Heat Transfer Enhancement equipment in Shell & Tube exchanger from England, a Heat Exchanger and Pressure Vessel manufacturer from Sweden, a Filtration systems manufacturer from Switzerland, Compressor and Vacuum Pump Manufacturer from Switzerland, Distillation and Evaporation systems from Germany. All these companies offer full design, manufacturing and installation services of their products. Co-operative design projects to aid my University students and research interests are also being considered with some of these companies.

Project Consultant & Finance Co-ordination (SEP 94-DEC 05)

Served as part time consultant in project evaluation, development and finance in a variety of fields including international commercial, humanitarian, infrastructure, scientific and engineering R & D. The work also included successful negotiation and implementation of various private placement investments off-shore for several clients in excess of US$ 12 million. This resulted in creation of a fairly resourceful and reliable network of investor introducers, several banking & financial institutions, project contractors and consultants, prominent scientists and engineers, research institutions and universities, both in a national and international scale. I also learnt a great deal about public relations and political lobbing within the UK system when I was involved with such cases which resulted in a parliamentary debate and contribution to a Parliament Select Committee Report as well as arranging and sponsoring a conference with The Foundation for Science and Technology in the UK.

Torantech Ltd. Surrey. (OCT 96-AUG 02)

As a Senior Process Consultant Engineer, I worked on several Offshore and onshore oil and gas related projects. My worked involved developmental studies, marketing and contractual negotiations, acid gas removal studies, glycol dehydration and amine gas sweetening units, preparation of process and flow diagrams, gas compression studies, data sheet preparations simulation and costing .

Association Managers Ltd. Birmingham. (SEP 92-JUL 93)

Part-time consultant in Project and Association Development and Management. My contribution was mostly at the strategic planning and research.

Flow Research Evaluation Diagnostics Ltd. Birmingham (DEC 91-AUG 92).

I was invited by my previous lecturer, Dr N. Thomas to join his team in a company on the University Research Park, to work on an R & D program into the potential for harvesting Wind Energy for Waste Water Treatment in bio-oxidation process for agricultural and municipal effluents. The company won two D.T.I. smart-awards for this work.

Rover Group-Powertrain, Longbridge. Birmingham. (JUN 91-SEP 91)

In association with the School of Manufacturing and Mechanical Engineering at Birmingham University this project was arranged in the local automotive manufacturing industry. A systematic approach to the logistical improvements at Powertrain was suggested, with emphasis of the “just in time” analysis on the “Reception of Parts” sub-system. I was invited by the Rover-Group to continue with the work through a PhD research program.

Bayer U.K. Ltd, Production Division, Bromsgrove. (JUN 89-DEC 89)

I was invited back to Bayer Latex manufacturing plant (see below) while reading for my Chem. Eng. degree to carry out several projects in the Process Engineering, namely; 1) final assessment of the PFD's to be prepared for a Hazop Studies and CAD up to date drawings of the plant in Germany, 2) Latex recovery with by using a novel filtration system leading to design and installation of a especially modified Screw Press for the first time in the latex industry, reclaiming 99 % waste (£120,000 p.a.), 3) effluent treatment improvements, 4) preliminary studies in renovating the plant Process Control Systems from an aging pneumatic system to the latest electronic ones, including demonstration and training aspects. I was offered a position with very good incentives at the company which unfortunately I had to decline to pursue with my graduate studies at Chemical Engineering.

Bayer U.K. Ltd, Production Division, Bromsgrove. (JUL 88-SEP 88)

As an undergraduate Chemical Engineer for industrial training I worked in the Latex production plant in Bromsgrove, mainly at the Process Quality Control and the laboratory, and was allowed to carry out an assessment of the efficiency of various departments in the Production Process Plant at my own request.

Birmingham Settlement & South Birmingham College (SEP 86-JUN 98)

Teaching Chemistry, Physics and Maths as well as Persian in evenings and weekends classes up to A-level standards to both children and adults.

Kashan Wool Production & Spinning Co. Kashan. (MAR 82-JUN 84)

Director- Started as an administrative officer in charge of International Relation, Purchase and Stock Control for the 50-emplyed company supplying vast textile industries of Kashan and central provinces, later promoted to a member of the Board of Directors and served at this position until I left the country for reading a degree in Chemical Engineering.

Nabi Cooler Production. Kashan (SEP 81-FEB 82)

Design, manufacturing and repair of domestic and small-scale industrial coolers, freezers and fridges.

# COMPUTER ABILITIES

Familiar with BASIC, FORTRAN, PASCAL, Database packages such as EXCEL and DELTAGRAPH, Microsoft OFFICE packages and simulation packages of CAPS. Also, familiar with HTML and web authoring packages, and other Multimedia packages such as Flash, Photoshop, Premier, Director, Illustrator, Dream-Weaver and Fireworks.

# INTERESTS & HOBBIES

Participative interests in basketball, football, Mountaineering, shooting and hunting. Enjoy camping, travelling, trial bikes, racing, reading and documentary programs. An enthusiastic photographer of nature and landscapes.

# ADDITIONAL INFORMATION

HGV clean driving licence. Prepared for long distance travel and staying away.

# REFEREES

Dr S.A. Taher, Head of Engineering Faculty, Assistant Prof. Of Elec. Eng., University of Kashan, Ghotb-e Ravandi Boulevard, Kashan 87317-51167, IRAN.

Prof A. Zeraat, Head of Human Science faculty, University of Kashan, Ghotb-e Ravandi Boulevard, Kashan 87317-51167, IRAN.

Dr Babak Bonakdarpour, Assistant Prof. Dep. of Chem. Engineering, Amirkabir University of Technology, No. 424 Hafez Ave., Tehran, IRAN.

Prof. T. A. Dean, School of Manufacturing and Mechanical Engineering, University of Birmingham, Bristol Road, Edgbaston, Birmingham, B15 2TT, England.

Mr. Abbas Vakil, Iranian Offshore Oil Company, Production Operation Manager, No. 38 - Khahzad Ave., Valyasr St., Tehran, Post Code 19-395, P.O.Box 5591, IRAN.

RESEARCH INTERESTS AND PROJECTS UNDERTAKEN

1. Optimization of Production Line at Aryan Shimi Base Oil Recovery, M.R. Mozdianfard & F. Soltanifar, University of Kashan, Sep 2007,
2. Investigation of Hobas CC-GRP piping system and their suitability for Water Distribution Networks in Iran, M.R. Mozdianfard, N. Darafshani, University of Kashan, Sep 2006.
3. Industrial Effluent Treatment in Kashan, M.R. Mozdianfard, S. Haratian, S. Zinsaz. University of Kashan, Mar 2007.
4. Principles of Engineering Design for Industrial Waste Water Treatments at Kashan. M.R. Mozdianfard, M Sadripoor, University of Kashan, Sep 2007.
5. Application of Photovoltaic Cells in Environmental Projects, M.R. Mozdianfard, M. Khavarian, University of Kashan, Sep 2006.
6. Optimizing Jigs Maintenance at Dorrin Kashan, M.R. Mozianfard, H. Jashni Arani, University of Kashan, Oct 2005.
7. Production and Optimization of Bentinite Powder using a Hammer Mill at Dorrin Kashan, M.R.Mozdianfard, B. Sedaghat, University of Kashan, Sep 2005.
8. Investigating the efficiency of Roller Mills used for Barite Production at Dorrin Kashan, M.R. Mozdianfard, A.Farahmand, University of Kashan, July 2005.
9. Application of Domestic Waste Burners and Incinerators and their Associated Environmental Issues for Iranian Villages. M.R.Mozdianfard, K. Ghaffarian, University of Kashan, Jan 2008.
10. Investigating Fouling of Crude Oil at Preheater in a Refinery, M.R.Mozdianfard, E. Behranvand University of Kashan, Sep 2007.