



Tarbiat Modarres
University

Curriculum Vitae

Surname: Abdul Tehrani **Gender:** Male
Forename: Hossein **Nationality:** Iranian

Address: Assistant Professor,
Dept. of Medical Biotechnology
Faculty of Medical Science
Tarbiat Modarres University

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Education:

Ph.D. in *Molecular Biology and Biotechnology*.
The University of Sheffield, Sheffield-UK, 2003.

M.Sc. in *Biochemistry. First Class Honours*.
Tarbiat Modarres University, Tehran-Iran, 1991.

M.Sc. in *Microbiology*.
Tehran University, School of Public Health & Institute of Public
Health Research, Tehran-Iran.
Discontinued in 1987 after passing all taught courses.

B.Sc. in *Medical Technology. First Class Honours*.
Paramedical Science Institute, Tehran-Iran, 1979.

Employment:

Head of department of Medical Biotechnology in TMU since Oct. 2007 -2011
Assistant Professor in Tarbiat Modarres university-Tehran since Mar. 2005 up to now
Academic staff (as Instructor) in Tarbiat Modarres university-Tehran, 1991-1995
Deputy of general director of research affairs in Tarbiat Modarres University, 1992-1994
Medical technologist in medical laboratory hospitals-Tehran, 1979-1987 (mostly in Microbiology
and Biochemistry sections).

Member of the Performance Evaluation & Optimization committee of the Faculty of Medical Science 2008 till 2015

Awards:

Scholarship to study *M.Sc.* degree, supported by the Ministry of Culture and Higher Education, 1988-1991.

Scholarship for *Ph.D.* was awarded by Iranian Ministry of Higher Education, based on entrance examination and interview (1996-2000).

Thesis titles:

Ph.D.: "Molecular genetic analysis of iron metabolism in *Escherichia coli*"

Department of Molecular Biology and Biotechnology, University of Sheffield,
Ph.D. student, 2003.

M.Sc.: "Study on biochemical procedures for preparation and purification of protein A from *staphylococcus aureus*"

Department of Biochemistry, Tarbiat Modarres University, 1991.

Work experience and Techniques:

I have carried out biological research for the past 30 years and am familiar with a wide variety of techniques in biochemistry, microbiology, molecular biology and biotechnology:

Molecular biology and biotechnology including: Isolation of plasmid; DNA and RNA extraction; DNA sequencing; polymerase chain reaction (PCR); Real- time PCR; agarose gel electrophoresis; Gene cloning techniques; Southern and northern blotting; Western blot technique; handling radio-isotopes; RNA and DNA probe synthesis; genetic manipulation of plasmid and chromosomal DNA; P1 *vir* mediated transduction; batch, fed-batch and continuous cell culture.

Biochemistry including: Qualitative and quantitative analysis of biological macromolecules; analysing of inorganic components by flame photometry and atomic absorption; spectrophotometric analysis; measurement of amino acid content by calorimetric analysis; enzymatic assay; chromatography techniques; affinity chromatography; electrophoresis techniques (immunoelectrophoresis, Native-PAGE, SDS-PAGE, 2-dimentional gel and IEF); Thin layer chromatography; ultrafiltration and dialysis.

Microbiology including: Isolation and characterization of microorganism; Bacteriophage plaque assay.

I am also competent in the use of computers for word-processing, PowerPoint, Excel, CorelDraw, database searching, genetic software (Vector NTI Suite, Clone, Align and Enhance) and high quality graphics presentation software.

Teaching experience: (1991-1994 and 2004 up to now)

Courses taught: Genetic and Molecular Biology; molecular genetic; Genetic of microorganism; Bioprocess engineering, General and Advance Biochemistry, Clinical Chemistry; Microbiology.

Practical courses: clinical chemistry lab, biochemistry techniques lab and separation and purification techniques in biochemistry.

Publications:

Papers

- Mehryar Habibi Roudkenar, Raheleh Halabian, **Hossein Abdul Tehrani**, Fatemeh Amiri, Ali Jahanian-Najafabadi, Amaneh Mohammadi Roushandedeh, Zahra Abbasi-Malati, Yoshikazu kuwahara. (2018) Lipocalin 2 enhances mesenchymal stem cell-based cell therapy in acute kidney injury rat model. *Cytotechnology* (2018) 70:103–117
- Alieh Gholaminejad, **Hossein Abdul Tehrani***, Mohammad Gholami Fesharaki, (2018) Identification of candidate microRNA biomarkers in diabetic nephropathy: a meta-analysis of profiling studies. *Journal of Nephrology*, 31:813–831
- Alieh Gholaminejad, **Hossein Abdul Tehrani***, Mohammad Gholami Fesharaki, (2018) Identification of candidate microRNA biomarkers in renal fibrosis: a meta-analysis of profiling studies. *Biomarkers*, 23 (8), 713-724
- Farveh Ehya, **Hossein Abdul Tehrani***, Masoud Garshasbi, Seyed Masood Nabavi, (2017) Identification of miR-24 and miR-137 as novel candidate multiple sclerosis miRNA biomarkers using multi-staged data analysis protocol. *Molecular Biology Research Communications*, 6(3):127-140
- Mahmood Naderi, **Hossein Abdul Tehrani***, Masoud Soleimani, Iman Shabani, and Seyed Mahmoud Hashemi, (2015) A Home-brew Real-time PCR Assay for Reliable Detection and Quantification of Mature miR-122. *Applied Immunohistochemistry & Molecular Morphology*, 23 (8),601-606
- Raheleh Halabian¹, Mehryar Habibi Roudkenar, Ali Jahanian-Najafabadi, Kamran Mousavi Hosseini and **Hossein Abdul Tehrani*** (2015) Co-culture of bone marrow-derived mesenchymal stem cells overexpressing lipocalin 2 with HK-2 and HEK293 cells protects the kidney cells against cisplatin-induced injury. *Cell Biology International*, 39, 152–163
- Hora Loghmani; Mehrdad Noruzinia; **Hossein Abdul Tehrani**; Mahdieh Taghizadeh; Karbassian Mohammad Hamid. (2014) Association of estrogen receptors' promoter methylation and clinicopathological characteristics in Iranian patients with breast cancer. *Molecular and Biochemical diagnosis*, 1 (1), 21-33
- Halabian, R., **Abdul Tehrani, H.**, Jahanian-Najafabadi, A., Habibi Roudkenar, M. (2013) Lipocalin-2-mediated upregulation of various antioxidants and growth factors protects bone marrow-derived mesenchymal stem cells against unfavorable microenvironments. *Cell Stress and Chaperones*, (2013) 18:785–800.
- Malekmohammadi, M., **Tehrani*, H. A.**, Aghdami, N, (2012) Effects of adipose derived stem cell-conditioned medium (ADSC-CM) on synthesis and degradation of hyaluronic acid in human dermal fibroblasts. *Dermatology and cosmetic*, 3 (1), 45-61.
- Malekmohammadi, M., **Tehrani, H. A.**, Aghdami, N, (2011) Hyaluronic acid and skin aging. *Dermatology and cosmetic*, 2 (3), 184-187.
- Malekmohammadi, M., **Tehrani, H. A.**, Aghdami, N, (2011) Skin structure and wound healing phases. *Dermatology and cosmetic*, 2 (4), 229-244.
- Farzan, F., Shojaosadati, S.A., **Tehrani, H.A.** (2010) A preliminary report on the isolation and identification of magnetotactic bacteria from Iran environment. *Iranian Journal of Biotechnology*, 8(2), 98-102.
- Gill, P., Ghalami, M., Ghaemi, A., Mosavari, N., **Abdul-Tehrani, H.**, Sadeghizadeh, M. (2008) Nanodiagnostic method for colorimetric detection of *Mycobacterium tuberculosis* 16S rRNA. *Nanobiotechnology*, 4(1-4), 28-35.
- S. A. Ataei, E. Vasheghani-Farahani, S. A. Shojaosadati, **H. Abdul Tehrani**. (2008) Isolation of PHA-Producing Bacteria from Date Syrup Waste. *Macromolecular Symposia*, 269, 11-16
- Pooria Gill, Amir-Houshang Alvandi, **Hossein Abdul-Tehrani**, Majid Sadeghizadeh (2008) Colorimetric detection of *Helicobacter pylori* DNA using isothermal helicase-dependent

amplification and gold nanoparticle probes. *Diagnostic Microbiology and Infectious Disease*, 62 (2), 119-124.

- Pooria Gill, Mohsen Amini, Amir Ghaemi, Leily Shokouhizadeh, **Hossein Abdul-Tehrani**, Ali Karami, Armin Gilak (2007) Detection of *Helicobacter pylori* by enzyme-linked immunosorbent assay of thermophilic helicase-dependent isothermal DNA amplification. *Diagnostic Microbiology and Infectious Disease*, 59 (3), 243-249.
- Gill, P., R. Ramezani, M.V.-P. Amiri, A. Ghaemi, T. Hashempour, N. Eshraghi, M. Ghalami & **H.A. Tehrani*** (2006). Enzyme-linked immunosorbent assay of nucleic acid sequence-based amplification for molecular detection of *M. tuberculosis*. *Biochemical and Biophysical Research Communications*, 347, 1151–1157.
- McHugh, J.P., F. Rodríguez-Quiñones, **H.Abdul-Tehrani**, D.A.Svistunenکو, R.K.Poole, C.E.Cooper & S.C.Andrews (2003). Global iron-dependent gene regulation in *Escherichia coli*: A new mechanism for iron homeostasis. *Journal of Biological chemistry*, 278(32), 29478-2948.
- H.Abdul-Tehrani**, A.J.Hudson, Y.S.Chang, A.R.Timms, C.Hawkins, J.M.Williams, P.M.Harrison, J.R.Guest, & S.C.Andrews (1999) Ferritin mutants of *Escherichia coli* are iron deficient and growth impaired, and *fur* mutants are iron deficient. *Journal of Bacteriology*, 181, 5, 1415-1428.
- H. Torabizadeh, S.A.Shojaosadati and **H.A.Tehrani** (1996). Preparation and characterisation of bioemulsifier from *Saccharomyces cerevisiae* and its application in food products. *Lebensm.-Wiss. u.-Technol. (LWT-Food Science and Technology)*, 29, 734-737.
- H.Abdul-Tehrani**, & S.C.Andrews (2018) Physiological role of the bacterioferritin- associated Ferredoxin of *Escherichia coli*. In preparation
- H.Abdul-Tehrani**, J.M.Grogan, & S.C.Andrews (2018) The bacterioferritin (*bfr*) gene of *Escherichia coli* is regulated by Rpos, Fur, Crp, and FNR. In preparation

papers Presentations in conferences

- Bahare Mehrdad Vahdat, Hossein A. Tehrani, Seyed Younes Hosseini. **Generation of a recombinant adenoviral plasmid containing t-Bid for inducing apoptosis in hepatic tumor cells**. 12th Iranian Genetics congress, May 22-24, 2012, Sh. Beheshti international congress center, Tehran, Iran.
- Zahra naseri, Hossein A. Tehrani. **Effect of Methanol utilization (Mut) phenotype on recombinant rabbit tissue factor expression in *Pichia pastoris***. 12th Iranian Genetics congress, May 22-24, 2012, Sh. Beheshti international congress center, Tehran, Iran.
- Zahra naseri, Hossein A. Tehrani. **Systems biology in drug discovery**. 7th National Biotechnology congress of Iran, 12-14 September, 2011, Niroo Research institute, Tehran, Iran.

Presentations at Meetings and Published Abstracts (since 1991)

- Mohammad Azadi and **Hossein A. Tehrani**. Preparation of genetically fused protein A-luciferase for use in bioluminescent immunoassays. (Poster presentation) in 11th International & 16th National Congress on Quality Improvement in Clinical laboratories. Tehran, Iran, 19-22 April 2018
- Somaye Sajjadi and **Hossein A. Tehrani**. Production of protein A containing thiol group for binding to fluorescence dye to increase the sensitivity of antibody detection. (Poster presentation) in 1st International congress on Biomedicine. Pasture Institute, Tehran, Iran, 18-21 December 2017

- Mohammad Azadi and **Hossein A. Tehrani**. Cloned firefly gene encoding luciferase to construct an expressing vector. (Poster presentation) in 2nd International and 10th National Biotechnology Congress. Tehran, Iran, 29-31 August 2017
- Somaye Sajjadi and **Hossein A. Tehrani**. Advanced in green fluorescent protein (GFP) as a reporter. (Poster presentation) in 9th International Iranian congress of laboratory and clinic & 2nd National Congress on Medical Basic Sciences & Knowledge-based production. Tehran, Iran, 21-24 February 2017
- Mohammad Azadi and **Hossein A. Tehrani**. Development of gold nanoparticles for the clinical diagnosis methods. (Poster presentation) in 9th International Iranian congress of laboratory and clinic & 2nd National Congress on Medical Basic Sciences & Knowledge-based production. Tehran, Iran, 21-24 February 2017
- Robab Nazarpour and **Hossein A. Tehrani**. Expression of PA–GFP chimeric protein in *E. coli* bacterium. (Poster presentation) in 1st International & 9th National Biotechnology Congress of Iran. Shahid Beheshti University, Tehran, Iran, 24-26 May 2015
- Azam Jabbari and **Hossein A. Tehrani**. Expression of PA–Luc chimeric protein in *E. coli* bacterium. (Poster presentation) in 1st International & 9th National Biotechnology Congress of Iran. Shahid Beheshti University, Tehran, Iran, 24-26 May 2015
- Robab Nazarpour, **Hossein A. Tehrani** and Azam Jabbari. Cloning of protein A gene from *Staphylococcus aureus*. (Poster presentation) in 1st International & 13th Iranian Genetic Congress. Shahid Beheshti University, Tehran, Iran, 24-26 May 2014
- Afifeh Jafari, **Hossein A. Tehrani** and Seyed Younes Hosseini. Construction of a highly hepatoma specific vector carrying proapoptotic gene. (Poster presentation) in 1st Middle East & 6th Iranian Controlled release Conference. Razi International conference Hull, Tehran, Iran, 25-27 February 2014
- Afifeh Jafari, **Hossein A. Tehrani** and Seyed Younes Hosseini. Cloning of the alpha-fetoprotein enhancer and the study of the inducing effect of its domains on the tBid gene expression. (Poster presentation) in 8th National Biotechnology Congress of Iran and 4th National Biosafety Congress of Iran. Tehran University, Tehran, Iran, 6-8 July 2013
- Maryam Homaei and **Hossein A. Tehrani**. Microfluidics application in cell-based assays for medical diagnosis. Abstract # 54 (Poster presentation) in 1st National Conference Nanobiotechnology Applications in Disease Diagnosis. Golestan, Iran, 30-31 May 2013
- Afifeh Jafari and **Hossein A. Tehrani**. Hybrid Nanoparticles as a Single Multi-Functional Nanosystem. Abstract # 28 (Poster presentation) in 1st National Conference Nanobiotechnology Applications in Disease Diagnosis. Golestan, Iran, 30-31 May 2013
- Hossein Abdul Tehrani**. Microarrays and nanobiochips, their applications. Abstract 55# (oral presentation) in 1st National Conference Nanobiotechnology Applications in Disease Diagnosis. Golestan, Iran, 30-31 May 2013
- B. Mehrdad Vahdati, **Hossein A. Tehrani**, S. Y. Hosseini. Generation of an adenoviral plasmid expressing tBid proapoptotic gene by homologous recombination. Abstract PNB16 (poster) in 6th Iranian Congress of Virology. Tarbiat Modares University, Tehran, Iran, 17-19 October 2012
- M. Malekmohammadi, **Hossein A. Tehrani**, Naser Aghdami. Effect of adipose derived stem cell-conditioned medium in the expression and synthesis of hyaluronic acid in human dermal fibroblasts. Abstract A-10-1012-1 (oral presentation) in 12th Iranian congress of biochemistry and 4th International Congress of Biochemistry and Molecular Biology. Abstracts/ Clinical Biochemistry, vol. 44 (13S), p S6, Mashhad, Iran, 6-9 September 2011
- B. Mehrdad Vahdati, **Hossein A. Tehrani**, S. Younes Hosseini. Study of the construction of an adenoviral vector for hepatic tumor gene therapy application. Abstract A-10-942-1 (poster) in 12th Iranian congress of biochemistry and 4th International Congress of Biochemistry and Molecular Biology. Abstracts/ Clinical Biochemistry, vol. 44 (13S), p S204, Mashhad, Iran, 6-9 September 2011
- H. Kazemi, **Hossein A. Tehrani**. New multiplex primer designing for rapid STR-typing. Abstract A-10-913-1 (poster) in 12th Iranian congress of biochemistry and 4th International Congress of Biochemistry and Molecular Biology. Abstracts/ Clinical Biochemistry, vol. 44 (13S), p S263, Mashhad, Iran, 6-9 September 2011
- Z. Naseri, **Hossein A. Tehrani**. Effect of the methanol utilization (Mut) phenotype on recombinant rabbit tissue factor expression in *Pichia pastoris*. Abstract A-10-952-1 (poster) in 12th Iranian congress of

- biochemistry and 4th International Congress of Biochemistry and Molecular Biology. Abstracts/ Clinical Biochemistry, vol. 44 (13S), p S264, Mashhad, Iran, 6-9 September 2011
- S. Ahmadi, **Hossein A. Tehrani**, F. Rahbarizadeh. Expression of "tBid" Pro-Apoptotic gene controlled by a promoter region of the "Midkine" gene in Human hepatocellular carcinoma cells. Abstract (P1-026) in 11th Iranian Genetics Congress, Tehrani, Iran, 22-24 May 2010
- S. Honarmand, **Hossein A. Tehrani**, M. J. Rassae. Cloning of full length rabbit recombinant tissue factor cDNA in pBluescript. Abstract (P1-053) in 11th Iranian Genetics Congress, Tehrani, Iran, 22-24 May 2010
- M. Shakoori, **H. A. Tehrani**, M. Noruzinia. Designing and set up of a STR typing method and investigation of the allele frequencies of 12 STR loci in Iranian population. Abstract P-10-910-1 in 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology. Abstracts/ Journal of Iranian Chemical Society, vol. 6, suppl., p S189, Tehrani, Iran, 16-19 November 2009
- V. Jajarmi, Forouzandeh Moghadam, **H. Abdul Tehrani**, M.J.Rassae. Designing a new technique called CMA (chimeric prime-Mediated Amplification) for DNA Amplification in isothermal condition. Abstract P-10-782-1 in 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology. Abstracts/ Journal of Iranian Chemical Society, vol. 6, suppl., p S109, Tehrani, Iran, 16-19 November 2009
- S. Ahmadi, **Hossein A. Tehrani**, F. Rahbarizadeh. A specific vector for cancer gene therapy. Abstract P-10-734-1 (oral presentation) in 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology. Abstracts/ Journal of Iranian Chemical Society, vol. 6, suppl., p S172, Tehrani, Iran, 16-19 November 2009
- M. Javanmardi, **H. Abdul-Tehrani**, M. Noruzinia, M. Shokri. Investigation the methylation status of JMJD1A and HUMARA genes in azospermic patients. Abstract O-10-795-1 in 10th Iranian Congress of Biochemistry & 3rd International congress of Biochemistry and Molecular Biology. Abstracts/ Journal of Iranian Chemical Society, vol. 6, suppl., p S50, Tehrani, Iran, 16-19 November 2009
- M. Javanmardi, M. Noruzinia, **H. Abdul-Tehrani**, P. Fatehmanesh, Investigation the methylation status of promoter in JMJD1A of oligoazoospermia patients. Abstract/ European journal of Human Genetics, vol. 17 supplement2, 2009. (Poster) P11.066 in European Human Genetics Conference, Vienna, Austria, 23-26 May 2009
- M. Shokri, **H. Abdul-Tehrani**, M. Noruzinia, M. Javanmardi. The role of methylation in 5' UTR CpG islands of BAX and Bcl2 in the endometrium of patients with endometriosis. Abstract P-10-794-1 in 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology. Abstracts/ Journal of Iranian Chemical Society, vol. 6, suppl., p S109, Tehrani, Iran, 16-19 November 2009
- M. Shokri, M. Noruzinia, **H. Abdul-Tehrani**, M. Javanmardi, M. Keyhaneh, Investigation of the methylation status of BAX CpG Island in the endometrium of patients with unexplained infertility. Abstracts/ Iranian Journal of reproductive Medicine, vol.7, suppl. 1, p 61, 2009. (Poster) P-49 in the 15th Congress of Iranian Society for Reproductive Medicine, Yazd, Iran, winter 2009.
- F. Farzan, S.A. Shojaosadati, **H. Abdul Tehrani**, Isolation and characterization of magnetotactic bacteria from various partes of I.R.Iran. The 2nd International Conference on Nanotechnology:future prospects in the region, Abu-Dhabi, UAE, 17-20th November 2008
- E. Vasheghani-Farahani, S.A. Ataei, S.A. Shojaosadati, **H. Abdul Tehrani**, Effect of oxidation-reduction potential on enhancement of PHB production. International Workshop on Biomacromolecules, Stockholm Sweden, 1-4th June 2008
- P. Gill, **H. Abdul-Tehrani**, A. Ghaemi, T. Hashempour, V-P, Amiri, M. Ghalami, N. Eshraghi, M-R. Noori-Daloi. Molecular detection of *Mycobacterium tuberculosis* by tHDA-ELISA DIG detection system. (Poster) 17th European Congress of Clinical Microbiology and Infectious Diseases & 25th International Congress of Chemotherapy. Abstracts/ International Journal of Antimicrobial Agents. 29 (2) 570-571, Munich-Germany. 31 March-3 April 2007.
- P. Gill, **H. Abdul-Tehrani**, A. Ghaemi, T. Hashempour, A. Alvandi, M-R. Noori-Daloi. Thermophilic helicase-dependent isothermal DNA amplification for molecular detection of *Helicobacter pylori*. (Poster) 17th European Congress of Clinical Microbiology and Infectious Diseases & 25th International Congress

of Chemotherapy. Abstracts/ International Journal of Antimicrobial Agents. 29 (2) 135-136, Munich-Germany. 31 March-3 April 2007.

- M. Forouzandeh, **Hossein Tehrani**, M. Paryan, F. Sabahi, V. Kia, A. Ali Reza, S. Amel. Design and development of multiplex NASBA technique for simultaneous detection of HCV and HIV-1. Abstracts/ Archives of Iranian Medicine, vol.10 (4) supplement 1, p 137, 2007. (Poster) P-408 in the 9th Iranian congress of Biochemistry & the 2nd International congress of Biochemistry and Molecular Biology, Shiraz University of Medical Sciences, Shiraz, Iran, 29th Oct.-1st November.2007.
- M. Tavakoli yaraki, **Hossein Abdol Tehrani**, S. C. Andrews, Molecular analysis of regulation of bacterioferritin gene expression in *E. coli* using lacZ reporter gene. Abstracts/ Archives of Iranian Medicine, vol.10 (4) supplement 1, p 219, 2007. (Oral) O-675 in the 9th Iranian congress of Biochemistry & the 2nd International congress of Biochemistry and Molecular Biology, Shiraz University of Medical Sciences, Shiraz, Iran, 29th Oct.-1st November.2007.
- Hossein A. Tehrani**, M. Naderi, S.A. Shojaosadati, Identification of *Aspergillus* species based on molecular analysis. Abstracts/ Archives of Iranian Medicine, vol.10 (4) supplement 1, p 266, 2007. (Poster) P-825 in the 9th Iranian congress of Biochemistry & the 2nd International congress of Biochemistry and Molecular Biology, Shiraz University of Medical Sciences, Shiraz, Iran, 29th Oct.-1st November.2007.
- S.A. Ataei, E. Vasheghani-Farahani, S.A. Shojaosadati, **H. Abdul Tehrani**, Isolation of PHA-producing bacteria from date syrup waste. 4th European Symposium on Biopolymers, kusadasi, Turkey, 2-4 October 2007
- S.A. Ataei, E. Vasheghani-Farahani, S.A. Shojaosadati, **H. Abdul Tehrani**, production of poly (3-hydroxybutyrate-co-3-hydroxyvalerate) in mixed culture of cheap substrates. 4th European Symposium on Biopolymers, kusadasi, Turkey, 2-4 October 2007
- P. Gill, **H. Abdul-Tehrani**, N. Eshraghi, A. Ghaemi, T. Hashempour, A-H. Alvandi. Design and development of thermophilic helicase-dependent isothermal DNA amplification for simple detection of *H. pylori ureC* gene. (Oral Presentation) 14th National & 2nd International Conference of Biology-Tarbiat Modarres University, Tehran-I.R. Iran. 29-31 August 2006.
- P. Gill, **H. Abdul-Tehrani**, N. Eshraghi, A. Ghaemi, T. Hashempour, M. Ghalami. Enzyme-linked ligonucleotidesorbent assay of thermophilic helicase-dependent isothermal DNA amplification for molecular detection of *M. tuberculosis rrs* gene. (Poster) 14th National & 2nd International Conference of Biology-Tarbiat Modarres University, Tehran-I.R. Iran. 29-31 August 2006.
- H. Abdul-Tehrani** and S.C. Andrews, Northern Blot analysis of the transcripts derived from the *bfr-bfd* region in *E. coli*. Abstract O-281 in Iranian Journal of Biochemistry and Molecular Biology, 1 (1), p 77, 2005. (Oral presentation) in the 8th Iranian Congress of biochemistry & the 1st International Congress of Biochemistry and Molecular Biology, Tehran, Iran, 11-15 September 2005
- H.Abdul Tehrani**, J.M.Grogan, C.Huggins, Y.S.Chang, F.Rodrigues-Quinones, J.R.Guest, & S.C.Andrews. Iron storage and regulation in *Escherichia coli*. BioIron Meeting, Sorento, Itali, May 1999
- H.Abdul Tehrani**, A.J.Hudson, Y.S.Chang, A.R.Timms, C.Hawkins, J.M.Williams, P.M.Harrison, J.R.Guest, & S.C.Andrews. Ferritin mutants of *Escherichia coli* are iron deficient and growth impaired, and *fur* mutants are iron deficient. The fifth seminar of Iranian students in Europe, Manchester, UK, 9th May 1999
- S.C.Andrews, J.M.Grogan, R.Bishop, **H.Abdul Tehrani**, Y.S.Chang, S.Davies, & J.R.Guest, Iron regulation and storage in *Escherichia coli*. 140th Meeting of the Society for General Microbiology, University of Nottingham, 30th March-2nd April 1998
- H.Abdul Tehrani**, J.M.Grogan, M.A.Quail, J.R.Guest, & S.C.Andrews, Functional analysis of the bacterioferritin-associated Ferredoxin gene (*bfd*) of *Escherichia coli*. The 4th seminar of Iranian students in Europe, London, UK, 5th July 1998
- H.Abdul Tehrani**, J.M.Grogan, M.A.Quail, J.R.Guest, S.C.Andrews, P.Jordan, A.J.Thomson, J.N.Butt, & M.Lutz, The Bacterioferritin-associated Ferredoxin (*bfd*) of *Escherichia coli*. 140th Meeting of the Society for General Microbiology, University of Nottingham, Abstract M2, 30th March-2nd April 1998
- H.Abdul Tehrani**, J.M.Grogan, M.A.Quail, J.R.Guest, & S.C.Andrews, Functional analysis of the bacterioferritin-associated Ferredoxin gene (*bfd*) of *Escherichia col*. The Society for Experimental Biology Annual meeting, University of Kent, Canterbury, Abstract C2.79, 7-11 April 1997

- H.Abdul Tehrani**, J.M.Grogan, M.A.Quail, J.R.Guest, & S.C.Andrews, Functional analysis of the bacterioferritin-associated Ferredoxin gene (*bfd*) of *Escherichia coli*. Int. Symp. Iron Biol. Med., St. Malo, France, abstract p.75, 16-20 June 1997
- M.Paknejad, M.J.Rassae, **H.A.Tehrani**, & M. Hedayati. Development of simple sensitive ELISA for Aflatoxin B1 measurement using penicillinase as label. The 3rd Iranian Congress of Biochemistry & Laboratory Sciences, Abstract O-107, Tabriz university of Medical Sciences, Iran, 30th Sep – 3rd Oct 1995
- S.Halalkhor, A.Allameh, **H.Abdul Tehrani** and S.A.Mesbah, Age-related changes in the activity and isoenzymes of hepatic GST (Glutathione-S-Transferase) in foetal, neonatal and adult rats. The Journal of Faculty of Medicine (special Issue), Page 31 and presented in the Congress and Refreshment of Clinical Biochemistry, Tehran university of Medical Sciences & Health Services, Iran, 16 -20th September 1995.
- S.A.Shojaosadati, H.Torabzadeh & **H.Abdul Tehrani**, Production of bioemulsifier from *Saccharomyces cerevisiae*. 1st Iranian congress on Chemical Engineering, p.368. Tarbiat Modarres University, Tehran, 15-17 November 1994.
- M.J.Rassae, K.Kabiri, **H.A. Tehrani** & A.A. Alameh, A rapid, sensitive and specific enzym immuno-assay (EIA) for aflatoxin B1 measurment in urine using penicillinase as label. 16th International congress of Biochemistry and Molecular Biology, P4-2, p. 125, 19- 22th September 1994
- K.Kabiri, M.J.Rassae, **H.Abdul Tehrani** & A.Alameh, Molecular dosimetry of urinary Aflatoxin B₁ (AFB₁) in Iranian males. The journal of Pasteur Institute of Iran, No. 7-1993, p. 66 and presented in the 2nd biochemistry congress of Iran, Institute of Biochemistry & Biophysics, University of Tehran, 16 -18th November 1993
- S.A.Mesbah, **H.Abdul Tehrani**, M.J.Rassae, A.Alameh and A.Qurbani Haqjo. Isolation and purification of cytosolic Glutathion S-transferases from rat liver by affinity chromatography and isoelectrofocusing methods (oral). Proceeding of the 11th Iranian congress of physiology & pharmacology, Tabriz University of Medical Sciences, Iran, abstract O-90, 17 -20th May 1993.
- H.Abdul Tehrani**, S.A.Shojaosadati & N.Moazemi, Preparation, purification and identification of protein A. The journal of Pasteur Institute of Iran, May, p. 102; and presented in the fist biochemistry congress of Iran, Tarbiat Modarres University, Tehran, 18-20 May 1991.

Books

- S.A.Shojaosadati, P.Azodifar & **H.Abdul Tehrani** (1992) High performance liquid chromatography (HPLC), published by Tarbiat Modarres University, Tehran.
- H.Abdul Tehrani**, S.A.Shojaosadati & (1990) SDS-Polyacrylamide gel electrophoresis, a practical manual in protein chemistry (booklet). Published by Tarbiat Modarres University, Tehran.
- H.Abdul Tehrani** (1994) Measurement procedures of biochemical factors in human blood (Laboratory notes), Tarbiat Modarres University, Tehran.
- Understanding genetic engineering, translated by S.A.Shojaosadati & M.Motallebi (1992), scientifically edited by **H.Abdul Tehrani**, published by Fardabeh publication, Tehran.

Research students supervised/ co-supervised (PhD/MSc Level):

(Students name, thesis type, Title, university address, year)

- (Co-supervisor) MAhmoed Ahmadian, PhD thesis, production of lipase enzyme. Iran University of Medical Sciences, Dept. of Medical Technology, Tehran Iran 1992.
- (Co-supervisor) Gholam Khayati Givi, M.Sc thesis, production of SCP from methanol and evaluation of product quality. Tarbiat Modares University, Dept. of Biotechnology, Tehran Iran 1995.
- (Co-supervisor) Maliheh Paknejad, M.Sc thesis, Using penicillinase labeled ELISA procedure for Aflatoxin B1 measurement in urine. Tarbiat Modares University, Dept. of Biochemistry, Tehran Iran 1995.

- (Supervisor) Morteza Yazdani Shektaei, M.Sc thesis, Investigation the role of RHAU and mRNA^{uPA} stability on plasminogen activator system in cancer cell lines. University of Tehran, University College of Science, Dept. of Biotechnology, Tehran Iran 2006.
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Member of Editorial Board:

Member of Editorial Board of Iranian Journal of Biotechnology, 2008-2012

Referee for journal articles submitted to:

Iranian Journal of Biotechnology
Modarres Journal of Medical Sciences

Membership of Scientific societies:

Biochemical Society of I.R. Iran, Since 2003.
Iranian Genetics Society, Since 2008.
Iranian Biotechnology Society, Since 2009.