

IN THE NAME OF GOD



CURRICULEM VITAE OF MANOUCHEHR MAZDAPOUR

PERSONAL DETAILS

Birth Date: 7/08/1989	Mother Tongue: Persian (Farsi)
Nationality: Iranian	E mail: M.Mazdapour@yahoo.com
Place of Birth: Tehran, Iran	Mobile: +98 9128365210
Marital status: Single	Fax: +892133974384
	P.O.Box:17458-53531, Tehran, Iran

ACADEMIC EDUCATION

- PhD : cellular and molecular biology, Department of Biology ,Islamic Azad University, Yazd ,Iran 18.84/20
 - M.S c : cellular and molecular biology, Department of Biology ,Islamic Azad University of Pharmaceutical Science ,Tehran ,Iran(2012) ,Average grade: 19.14 / 20
- M.S c Thesis: mutational analysis of Proterombin (II), Leidin(V) and MTHFR in women with spontaneous abortions.
- B.S c : cellular and molecular biology, Department of Biology ,Islamic Azad University of Ashkezar Branch ,Yazd ,Iran(2006), Average grade: 17.80 / 20, (Second rank)
 - High school: Dr. Hesabi high school, Tehran, Iran (2005) Average grade: 18.37 / 20, (Top rank)

CURRENT POSITION

- Collegian of cellular and molecular biology, Department of Biology ,Islamic Azad University of Pharmaceutical Science ,Tehran ,Iran. (2012)
- Member of Young Researchers Club, Tehran ,Iran. (2010)
- M.S c Thesis, Tehran Woman General Hospital (Mirza kochak khan) ,Genetic Counseling Center, Tehran, Iran.

CLINICAL AND PARA CLINICAL COURSES

- Theoretical and practical course on **Principle of animal cell culture**, Iranian Biological Resource center (IBRC).
- Theoretical and practical course on **Advance Applied Technical Methods Used in Medical Diagnostic Laboratory**, Hashemi Nejad Hospital, (IBRC).
- One year course on **clinical genetics**, Tehran Woman General Hospital (Mirza kochak khan) ,Genetic Counseling Center, Tehran, Iran. 2010- present.
- Practical and theoretical course on **Real Time-PCR**, Iranian Biological Resource center (IBRC).
- Practical and theoretical course on **Cytogenetic**, Iranian Biological Resource center (IBRC).

COURSES AND SYMPOSIUMS PARTICIPATED (WITH CERTIFICATE)

- National workshop on molecular Cytogenetic and Genetic counseling, Iranian Biological Resource center (IBRC).
- International Congress of biochemistry and Molecular Biology, Study of treatment and factors influencing blood concentration in Iranian Traditional Medicine.
- Theoretical and practical workshop on Advance Applied Technical Methods Used in Medical Diagnostic Laboratory , Iranian Biological Resource center (IBRC).

- Bioinformatics workshop with the basics of data mining and integration, ,Dana Gene Pajouh(DGP).
- Theoretical and practical workshop on basics of PCR,Dana Gene Pajouh(DGP).
- Theoretical and practical workshop on Advance Principle of Real Time-PCR, Iranian Biological Resource center(IBRC).
- Theoretical and practical workshop on Molecular Cloning and Genetic Engineering and Primary Methods in Molecular Biology,Dana Gene Pajouh(DGP).
- Attendance In 5thInternational Congress of Biochemistry and Molecular Biology and 13th Iranian Congress of Biochemistry.
- A Training Course on Principle of animal cell culture, Conducted at Iranian Biological Resource center (IBRC).
- Attendance In educational Workshop of Nano Material Synthesis Conducted by Bio Technology and Nano (Iso No.17025) of Pastor Institute of Iran.
- Attendance In First Conference on Stem Cell Nano Engineering and workshop on electrorisy,,Royan Institute,(2012).
- Director of workshop: Molecular Cloning and Genetic Engineering and Primary Methods in Molecular Biology, Dana Gene Pajouh(DGP).
- Attendance In First workshop on New Aspects of Biological Sciences, Department of Biology, Payam-e-Noor University, Taft, Iran.

AWARDS AND ACHIEVEMENTS (HONORS)

- Referee of CNB Journals, Journal of Chemistry, Nanotechnology, Biology Research.
- Member of Young Researchers Club, Tehran,Iran. (2010)

- Second rank student among (2011-2013) graduated students of the Department of Biology, Islamic Azad University of Ashkezar Branch, Yazd, Iran.
- First rank student among (2006-2010) graduated students of the Department of Biology, Islamic Azad University of Pharmaceutical Science ,Tehran ,Iran
- Referee of IJBS Journals, Journal of Basic biology Research.
- Reviewer of American Journal of Phytomedicine and Clinical Therapeutics

COLLABORATORS

- Dr.Seyed. A .Mosavi, Tehran University of Medical Sciences and Health Services , Tehran,Iran, 2010-present
- Dr. S. Rezaei-Zarchi, Department of Biology, Payam-e-Noor University, Taft, Iran
- Dr. A.Asadi, university of mohaghegh ardabili, Ardabili,Iran,
- Dr. K. Esfahani, National Institute for Genetic Engineering & Biotechnology (NIGEB), Tehran,Iran, 2009-present
- Dr. Ehsan Ansari, *Tehran Teachers' Training University* (Tarbiat Modress), *Tehran, Iran*, 2009-present. (PhD Student)
- Dr. Masoud Negahdary, Yazd Cardiovascular Research Center, Shahid Sadoughi University of Medical Sciences, Yazd, Iran. (PhD Student)

RESEARCH PROJECTS

Working on my M.S c Thesis entitled " mutational analysis of Proterombin (II) , Leidin(V) and MTHFR with spontaneous abortions" under the supervision of Dr. Seyed.A.Mosavi (molecular biologist),Department of Biology, Tehran University of Medical Sciences and Health Services, Tehran,Iran.2011-2013.

- My responsibilities:
 - ✓ Designing the project.
 - ✓ Visiting all the patients(n=56) and controls(n=56), interviewing them and having them fill the questionnaires.
 - ✓ Evaluating the risk factors of spontaneous abortions.

- ✓ Measuring the response to treatment with Heparin.
- ✓ Evaluating the effects of Heparin on the levels of spontaneous abortions.
- ✓ Performing all the molecular stages including DNA extraction, PCR setup, Dot Blot stages.
- ✓ Investigating the association between mutation Gene of Proterombin (II) , Leidin(V) and MTHFR and the risk of spontaneous abortions in Iranian population.
- ✓ Statistical analysis.
- ✓ Preparing the final paper.

Working on the following research projects

- Infertility treatment by traditional medicine, Iranian Traditional Medicine.
- Treatment and factors influencing blood concentration in Iranian Traditional Medicine.
- Treatment and factors influencing blood Pressure in Iranian Traditional Medicine.
- Effect of herbal extract on skin wound healing .(By Iranian Traditional Medicine)
- Effect of herbal extract on diabetic wound healing .(By Iranian Traditional Medicine)
- Writing a book entitled , Infertility Nutrition.(2011-2013)
- Antibacterial Effect of several Nanoparticles on different Microorganisms for Increase Food Safety.

PROFESSIONAL WORKING EXPERIENCES AND SKILLS

- Skills in gene expression analysis methods such as PCR ,RT-PCR, Real Time-PCR,
- Skills in Iranian Traditional Medicine Techniques and Treatments.
- Skills in Mammalian Cell Culture Techniques.

- Experience in visiting and examining patients as a General Physician, especially those suffering from different kinds blood diseases ,like blood concentration and blood pressure.(Herbal Medicine)
- Experience in study of genetic polymorphism by different methods such as PCR-RFLP, ARMS-PCR, and different PCR-Methods based on molecular study.
- Skills in Genetic Counseling through working in a private genetic counseling clinic, Tehran Woman General Hospital (mirza kochak khan), Genetic Counseling Center, Tehran, Iran.2010- present.
- Skills in working with different computer programs such as Photoshop, MS Office and statistical program, SPSS (various tests such as ANOVA, t-tests, etc.).
- Skills in data analyzing and basic statistical methods for biology studies.
- Skills and experiences in working with laboratory instruments and different techniques of dealing with lab animals (mice and rats).
- Experience in group working and cooperating with team members in addition to the ability of working independently.
- Experience in leadership and supervising students and other team members.

LANGUAGE SKILLS

- **Farsi (Persian)**: Mother tongue(Native language)
- Fluency in **English** writing, reading and speaking as second language
- **German**(good)

TEACHING EXPERIENCE

- Cellular and Molecular Biology, Biochemistry of Cell Membrane, Lipids and Carbohydrates and Biochemistry of Proteins and Nucleic Acids, Structure and Replication of DNA , cellular and Molecular Evolution, Molecular biology of cancer , for BSc. level.
- General Biology for high school levels.
- Work shop teaching : Nano Material Synthesis, basics of PCR, molecular Cytogenetic, Molecular Cloning and Genetic Engineering

RESEARCH INTERESTS

- Human Molecular Genetic Diagnosis and Research, Cytogenetics, Stem Cell and Recombinant DNA Technology.
- Diagnosis and treatment of cancers for example, Her2 amplification in breast cancer using FISH analysis
- Genetics and Epigenetic study of cancer as for early diagnosis, prognosis and therapy.
- Molecular and cellular Diagnosis of human genetic disease
- Study of Etiology of human Genetic diseases such as Down syndrome
- Cytogenetics ; FISH,PGD
- Study of genetic Etiology of male infertility
- Human genetic disorders studies
- Genetic counseling
- Cancer Genetics
- molecular mechanisms of cancer
- Molecular Evolution
- Biotechnology
- Nanoparticles
- Molecular genetics and cancer genomics

MAIN REASERCH INTEREST

- ❖ **Medical Genetics, Genetic Etiology of infertility, Genetic counseling , Cytogenetics ; FISH,PGD**
- ❖ **Human genetic disorders studies**

RESEARCH PUBLICATIONS (JOURNALS)

1. **Manouchehr Mazdapour***, Saeid Zamany, **Study of treatment and factors influencing blood concentration in Iranian Traditional Medicine, Irainian journal of biotechnology**, Vol. 11, 2013, no. 42, 1728-3043
2. Masoud Negahdary, Mojtaba Imandar, Mohamad Fazilati, **Manouchehr Mazdapour**, Marziyeh Ajdary **Antibacterial Effect of Zirconia Nanoparticles on Bacillus Cereus for Increase Food Safety**, *J. Appl. Environ. Biol. Sci.* 2012 2(8): 409-415.
3. Masoud Negahdary, Somaye Rad, Mahdi Torkamani Noughabi, Ali Sarzaeem, Saeid Pasban Noughabi, Fazlollah Mirzaeinasab, **Manouchehr Mazdapour** and Somaye Amraeifard, **Design a Hydrogen Peroxide Biosensor by Cytochrome c and Cadmium Oxide**

- Nanoparticles and its Application in Diagnostic Cancer Cells**,
Advanced Studies in Biology, Vol. 4, 2012, no. 3, 103 - 118
4. Sedigheh Banapour, **Manouchehr Mazdapour**, Zahra Dinpazhooh, Fatemeh Salahi, Mahdi Torkamani Noughabi, Masoud Negahdary, Aram Asrari, Faezeh Ghanami, **Direct Electron Transfer of Myoglobin on Zirconia Nanoparticles Modified Carbon Paste Electrode**, Advanced Studies in Biology, Vol. 4, 2012, no. 5, 231 - 243
 5. Gholamreza Mohseni, Masoud Negahdary, Hossein Faramarzi, Shokoufeh Mehrtashfar⁴, Amir Habibi-Tamijani⁵, Seyyed Hossein Nazemi⁶, Zeinab Morshedtalab, **Manouchehr Mazdapour** and Sara Parsania **Voltammetry Behavior of Modified Carbon Paste Electrode with Cytochrome C and Mn₂O₃ Nanoparticles for Hydrogen Peroxide Sensing**, *Int. J. Electrochem. Sci.*, 7 (2012) 12098 - 12109
 6. A. Kalantar-Dehnavi, S. Rezaei-Zarchi, Gh. Mazaheri, M. Negahdary*, R. Malekzadeh¹ and **M. Mazdapour**, **Designing a H₂O₂ Biosensor by using of Modified Graphite Electrode with Nano-composite of nafion-nile blue-peroxidase Enzyme**, European Journal of Experimental Biology, 2012, 2 (3):672-682
 7. Maziar Bahreini, Fereydoon Bondarian, **Manouchehr Mazdapour ***, **DNA Fingerprinting of Geobacter Species Based on Insilicores AP-PCR**, 2013, volume 2, issue 8, pages: 386-394 (Acceptance)
 8. Maziar Bahreini, **Manouchehr Mazdapour**, Fereydoon Bondarian, Sepdeh Torabi, **Signal Transduction Networks Processing and Elicited Overproduction of Plant Secondary Metabolites**, (Acceptance)
 9. Maziar bahreini, Shiva Irani, Seyed Mohammad Atiabi, **Manouchehr Mazdapour**, Reza Rasoolzadeh **Comparative Simulation of Supposed RNA Secondary Structure**,
 10. Maziar bahreini, **Manouchehr Mazdapour**, Mansour Omidi, Sepideh Torabi, Fereydon Bondarian, **Neural network predictions of O-β-GlcNAc and phosphorylation sites of Isoeugenol O-methyltransferase in Fennel**, 2013, volume 2, issue 8, pages: 395-402
 11. Maziyar Bahreini, Fereydon Bondarian, **Manouchehr Mazdapour**, Ghodrat Sattarzade, Amir Hossein Fartash, Ali Mafakheri, Mehdi Jabberi, **In silico res AP-PCR fingerprinting of**

**Geobacter species, 8th Iranian Biotechnology
Congress, 4th National Congress of Biosafety.**

12. Ahmad Tajehmiri, Hengameh Sadeghi, Seyed Majid Mousavi Mehmandousti, Niusha Kaveh, Fatemeh Mohammadi, Shahla Lotfi, Ali Reza Mousa Mayali, **Manouchehr Mazdapour, Association of the G894T polymorphism of the endothelial nitric oxide synthase gene with migraine: an Iranian case-control study**, 2013, volume 2, issue 9, pages: 417-424
13. Masoud jamali hondori, Fatemeh Mohammadi, **Manouchehr Mazdapour***, Ali Mohammad Shirafkan Lamsou, **Lack of association between TC786 polymorphism and Alzheimer's disease in Iran**, 2013, volume 1, issue 1, pages: 14-19
14. Maziar bahreini, Fereydoon Bondarian, **Manouchehr Mazdapour***, **DNA fingerprinting of Geobacter species with digested fragments on page: insilico study**, 2013, volume 1, issue 1, pages: 1-4
15. **Manouchehr Mazdapour***, **Effect of Herbal Medicine on treatment of cancer pain in Iranian Traditional Medicine**, 4th International Congress of Interventional Pain Medicine, Tehran, Iran, 2013 (Poster)
16. **Manouchehr Mazdapour***, **Effect of Herbal Medicine on pain after childbirth in Iranian Traditional Medicine**, 4th International Congress of Interventional Pain Medicine, Tehran, Iran, 2013 (Poster)
17. Masoud Negahdary, Mahdi Torkamani Noughabi, Esmaeil Rezaei, **Manouchehr Mazdapour**, Alireza Farasat, Tahereh Arabnezhad-khanooki, Batool Yousefi-telori, Fazlollah Mirzaeinasab, **A Novel hydrogen peroxide Biosensor Based on Modified Electrode with Hemoglobin and zinc oxide nanoparticles**, Advances in Environmental Biology, 6(3): 1095-1103, 2012
18. Ali reza mousa mayali, Anita chitsaz, Masoud jamali hondori, **Manouchehr Mazdapour*** **Evaluation of NOS3 gene G894T polymorphism in Iranian patients affected by Alzheimer and Normal Individuals**, 2nd International Congress of Neuroscience, Tehran, Iran, 2013 (Poster)

19. **Manouchehr Mazdapour***, Ahmad Tajehmiri, Fatemeh Mohammadi, Ali Reza Mousa Mayali, **Association of the G894T polymorphism of the endothelial nitric oxide synthase gene with migraine: a Iranian case-control study**, 2nd International Congress of Neuroscience, Tehran, Iran, 2013 (Poster)
20. **Manouchehr Mazdapour***, Seyed A. Moosavi, **Evaluation of (MTHFR) blood coagulation factor mutations by reverse dot blot in Iranian women with spontaneous abortions**, The 7th Annual Congress of Iranian Neurogenetic Society, Yazd, Iran, 2014 (Oral)
21. **Manouchehr Mazdapour***, Seyed A. Moosavi, **Evaluation of NOS3 gene G894T polymorphism in Iranian patients affected by Bipolar disorder and Normal Individuals**, The 7th Annual Congress of Iranian Neurogenetic Society, Yazd, Iran, 2014 (Poster)
22. **Manouchehr Mazdapour***, **Antibacterial Effect of Silver Nanoparticles on Bacillus Cereus for Increase Food Safety**, 6th International Congress of Laboratory and Clinical Medicine, Tehran, Iran, 2014 (Poster)
23. **Manouchehr Mazdapour***, Seyed A. Moosavi, **Association between Inherited Thrombophilia and Recurrent Pregnancy Loss in Iranian population**, 6th International Congress of Laboratory and Clinical Medicine, Tehran, Iran, 2014 (Oral)
24. **Manouchehr Mazdapour***, Seyed A. Moosavi, **Evaluation of blood coagulation factor mutations by reverse dot blot in Iranian women with spontaneous abortions**, 6th International Congress of Laboratory and Clinical Medicine, Tehran, Iran, 2014 (Oral)
25. Iman Seyhon, Pouria Mohammadi, Arastoo Kaki, **Manouchehr Mazdapour*** **Evaluation of endothelial nitric oxide synthase gene G894T polymorphism in Iranian women with recurrent spontaneous abortions (acceptance)**
26. **Manouchehr Mazdapour**, Farzaneh Hasanian, Aso Lavei, Iman Seyhon **Study on the relationship of G20210A prothrombin**

**mutation with unexplained recurrent spontaneous abortion
(acceptance)**

BOOK

- M.Mazdapour, S.I.Seyhon.H.Moradi.A.Mosamayali.Rezaei-Zarchi,A.Asadi (2013) **principles of physical biochemistry** , (Persian)

Author of four chapters (Macromolecules, Thermodynamic, Membrane structure, X-ray diffraction) of **principles of physical biochemistry Book**, (Persian) , (2013)

- M.Mazdapour, H.Moradi, (2013) **principles of academic writing**, (Persian) , (2013)
- H.Moradi .M.Mazdapour,G.Ehtejab (2014) **principles of oncology**, (Persian) volumel
- H.Moradi .M.Mazdapour,G.Ehtejab (2014) **principles of oncology**, (Persian) volume2
- M.Mazdapour. H.Moradi. **principles of medical genetics**. (Persian) , (2014) (publication process)
- publication process (2015): M.Mazdapour
- M.Mazdapour,H.Moradi (2015),Oncology,vol 1: **Liver Cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 2: **Lymphedema**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 3: **Leukemia**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 4: **Gastrointestinal Stromal**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 5: **Testicular Cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 6: **Bone Cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 7: **Eye Cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 8: **Ovarian Cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 9: **Lung Cancer**

- M.Mazdapour,H.Moradi (2015),Oncology,vol 10: **Colorectal Cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 11: **Stomach Cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 12: **prostate cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 13: **skin cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 14: **colorectal cancer**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 15: **breast**
- M.Mazdapour,H.Moradi (2015),Oncology,vol 16: **lung cancer**

ORAL PRESENTATIONS IN CONFERENCES/ MEETINGS

- Student Seminar, "**Genetic Disorders**", Islamic Azad University of Pharmaceutical Science ,Tehran ,Iran(2012)
- Student Symposium, " **Cytogenetic** ", Islamic Azad University of Pharmaceutical Science ,Tehran ,Iran(2012)
- Student Seminar, " **Role of Innate Immunity in inducing adaptive immunity** ", Islamic Azad University of Pharmaceutical Science ,Tehran ,Iran(2013)
- Student Seminar, " **physical biochemistry** ", Islamic Azad University of Pharmaceutical Science ,Tehran ,Iran(2013)
-
- Student Seminar, " **extracellular matrix** (ECM) ", Islamic Azad University of Ashkezar Branch ,Yazd ,Iran(2008)
- Student Seminar, " **Bioinformatics and Systems Biology** ", Islamic Azad University of Ashkezar Branch ,Yazd ,Iran(2008)
- 5thInternational Congress of Biochemistry and Molecular Biology and 13th Iranian Congress of Biochemistry. **Iranian Traditional Medicine** (Oral)

ACADEMIC MEMBERSHIPS AND RESPONSIBILITIES

- Member of *Iranian Medical genetics Society*, 2010-present
- Referee of CNB Journals ,Journal of Chemistry, Nanotechnology, Biology Research
- Referee of **International Journal of Basic-Biosciences**, Since 2013.
- Member of Young Researchers Club, Tehran ,Iran.
- Reviewer of CNB Journals ,Journal of Chemistry, Nanotechnology, Biology Research
- Reviewer of **International Journal of Basic-Biosciences**.
- Member of Biochemical Society of Iran.
- Member of the Biotechnology Society of Iran.
- Member of Biophysical Society of Iran.
- Member of the Nanobiotechnology Committee of Iran.
- Member of the Bioinformatics Group University of Tehran.
- Member of Iran Genetics Society(IGS).
- Member of Iranian Molecular Medicine Network.
- Member of Editorial Board of CNB Journals, Since 2011.
- Member of Editorial Board of **International Journal of Basic-Biosciences**, Since 2013.

EXTRACURRICULAR ACTIVITIES:

- Boxing