



Yazd Shahid Sadoughi University of
Medical Sciences and Health Services

In the name of God

CURRICULUM VITAE

PERSONAL DETAILS



First name: Mohammad Hossein
Surname: Mosaddegh Mehrjardi
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PROFILE

I am a hardworking individual with excellent interpersonal skills. I am punctual and reliable and pride myself on doing a good job. I have a proven track record in management having managed paramedical, nursing and midwifery schools in Iran. I have very good computer skills in software, such as Word, Excel, SPSS, PowerPoint, Photoshop, Publisher, and Authorware. As well, I have got very good skills in using some special software on drug analysis with application of gas chromatograph and mass spectrometer, *i.e.* Masslynx®, NIST^{۹۸}, and Masslab®. I have got very good skills to work in a laboratory such as an analytical or chemical laboratory.

ACADEMIC QUALIFICATION

- Sep ۱۹۹۸ to Dec ۲۰۰۲** **PhD in Clinical Toxicology**
Faculty of Medicine, Manchester University,
Manchester, UK
- Dec ۱۹۹۷ to Sep ۱۹۹۸** **MSc course in Clinical Toxicology**
Faculty of Medicine, Manchester University,
Manchester, UK
- Sep ۱۹۹۷ to Dec ۱۹۹۷** **Academic Writing and English Language Course**
Faculty of Art, Manchester University, Manchester, UK
- Sep ۱۹۷۹ to Jul ۱۹۸۶** **Doctorate of Pharmacy (G.P.A. ۳.۴۱/۴)**
Faculty of Pharmacy, Isfahan University of Medical
Sciences, Isfahan, Iran
My Pharm-D thesis was “Effect of Fenfluramine on
Lipid Metabolism in Adipose Tissue, on Plasma Glucose
and Insulin Level in Rat”.
- Sep ۱۹۷۵ to Jun ۱۹۷۹** **Iranian National Diploma in Experimental Sciences**
Nobonyad High School, Meybod, Yazd, Iran

EMPLOYMENT AND EXPERIENCE

- Jan ۲۰۰۳ to date** **Assistant Professor**
Pharmacology Dept., Yazd Medical School, Yazd Shahid Sadoughi University of Medical Sciences, Yazd, Iran
- Oct ۲۰۰۳ to Nov ۲۰۰۸** **Member of Heart Research Centre Committee**
Afshar Hospital, Yazd Medical School, Yazd Shahid Sadoughi University of Medical Sciences, Yazd, Iran
- Nov ۲۰۰۳ to Dec ۲۰۰۹** **Member of Addiction Research Centre Committee**
Yazd Medical School, Yazd Shahid Sadoughi University of Medical Sciences, Yazd, Iran
- Dec ۲۰۰۴ to date** **Member of Health System Research (HSR) Committee**
Research Deputy, Yazd Shahid Sadoughi University of Medical Sciences, Yazd, Iran
- Jan ۲۰۰۵ to April ۲۰۰۸** **Member of Yazd Science & Technology Park Committee**
- June ۲۰۰۴ to July ۲۰۰۷** **Member of Yazd Medical Sciences University Exploitation Committee**
- Aug ۲۰۰۴ to ۲۰۰۶** **Member of Yazd Medical Sciences University Education Committee**
- Oct ۲۰۰۴ to date** **Member of Yazd Medical Sciences University Chemical Safety Committee**
- March ۲۰۰۵ to date** **Member of Yazd Medical Sciences University Strategic Committee**
- Sep ۲۰۰۴ to date** **Member of Yazd Medical Sciences University Strategic Committee**
- Jan ۱۹۹۴ to Sep ۱۹۹۷** **Financial and Affirmative Deputy of the University**
Academic Instructor
Pharmacology Dept., Yazd Medical School, Yazd Shahid Sadoughi University of Medical Sciences, Yazd, Iran
I was teaching pharmacology courses for medical, paramedical and nursing students.
- Jul. ۱۹۹۰ to Dec. ۱۹۹۳** **Dean of Paramedical, Nursing and Midwifery Schools**
Academic Instructor
At the same time, I was teaching pharmacology courses for paramedical and nursing students.
Paramedical, Nursing and Midwifery schools, Yazd University of Medical Sciences, Yazd, Iran
- Feb ۱۹۸۷ to Jun ۱۹۹۰** **Academic Instructor**
I was teaching dosage forms and physical pharmacy courses for pharmacy students.
Pharmacy School, Kerman Medical Sciences University, Kerman, Iran

SCIENTIFIC COMMITTEE MEMBER

7th Iranian Student Seminar in Europe, 8 May 1999, Manchester, U.K.
7th Iranian Student Seminar in Europe, 20-21 May UMIST, Manchester, U.K.
8th Iranian Student Seminar in Europe, 20-21 May 2001, UMIST, Manchester, UK
9th Iranian Student Seminar in Europe, 29-30 June 2002, Birmingham, U.K.
National Congress on Food Hygiene and Safety, 21-23 Dec. 2004, Iran
Third National Congress on Addiction, 26-28 Jan 2004, Yazd, Iran
First Yazd International Award in Reproductive Medicine 28-29 Dec 2005 Yazd, Iran

LABORATORY SETTING

HPLC laboratory for detection and quantification of aflatoxins in pistachio exported to Europe
HPLC analysis of wheat for determination of phytic acid
Pharmacology laboratory for laboratory sciences students
Toxicology section of food and drug control laboratory at Yazd University of Medical Sciences
SPME-GC-FID analysis of BTEX from petrol station air and Workers urine analysis
Determination and quantification of Diazinon and Chlorpyrifos from water and herbal medicines using HS-SPME-GC-FID
Diagnosis of animal oil adulteration from herbal oil using GC-FID
Air phytoremediation assessment using SPME-GC-FID

SEMINARS and PUBLICATIONS

- 1) Application of Solid Phase Microextraction Technology on Drug Screening and Identification, *Ann Clin Biochem*, (2001) 38; 241-247.
- 2) Assessment of knowledge and attitude of medical student toward genetic counselling and therapeutic abortion, *Journal of medical sciences*, (2007), 4(2): 81-85
- 3) Drug screening of basic drugs in blood applied to forensic toxicology, *World applied sciences journal*, (2008), 3(2): 219-222

ξ) Antinociceptive effects of *Spartium Junceum* L. Extract on mouse formalin test. World applied sciences journal (۲۰۰۸), ۳(۲): ۲۲۳-۲۲۶

ο) Does essential oil from *Carum Capticum* have effects on mu opioid receptors? World applied sciences journal (۲۰۰۸), ۳(۲): ۲۲۷-۲۳۰

ϒ) Antinociceptive effects of *Carum Copticum* extract in mice using formalin test. World applied sciences journal (۲۰۰۸), ۳(۲): ۲۱۵-۲۱۹

ϒ) Determination of Some Minerals and Heavy Metals in Muscle Tissues of Rainbow Trout, *Onchorhynchus mykiss*, Cultured in Iran. Global Veterinaria (۲۰۱۱), ۷(۲): ۱۱۳-۱۲۲

λ) Anticonvulsant and depressant effects of aqueous extracts of *Carum copticum* seeds in male rats. Epilepsy and Behavior (۲۰۱۱) ۲۲: ۲۲۰-۲۲۵

ϑ) The antiinfarct, antistunning and antiarrhythmic effects of oleuropein in isolated rat heart. EXCLI Journal (۲۰۱۲) ۱۱:۱۵۰-۱۶۲

۱۰) Proximate and Fatty Acid Composition in Muscle Tissues of Rainbow Trout, *Oncorhynchus Mykiss*, Cultured in Iran Walailak Journal of Science and Technology (under publication)

۱۱) Treatment of recurrent pregnancy loss by Levothyroxine (LTξ) in women with high Anti-TPO antibody Iranian Journal of Reproductive Medicine (under publication)

۱۲) Evaluation of the interaction of moderate hyperhomocysteinemia and lipoprotein(a) on fibrin clot structure in rabbits plasma ۱۶ Nov ۲۰۰۹ Oral Presentation

۱۳) Antinociceptive effect of *Spartium Junceum* L. Extract on Mouse Formalin Test, Presented at ξth World Congress of Celular and Molecular Biology, (۲۰۰۵) ۷-۱۲ Oct Poitiers, France. Poster presentation

۱۴) Identification of Cocaine in Blood Using SPME-GC-MS, Presented at Third National Congress on Addiction, (۲۰۰۵) ۲۶-۲۸ Jan. Yazd, Iran. Oral presentation

۱۵) Optimisation of SPME-GC-MS for the Detection and Quantification of Antidepressants from Biological Matrices, Presented at The ۲nd International Congress of Pharmaceutical and Drug Industries Division, (۲۰۰۵) ۷-۹ March, Cairo, Egypt. Poster presentation

- ١٦) Application of Quadruple Mass Spectrometer for Distinguishing between compounds with very Similar Chromatography Characteristics, Presented at The ٢nd International Congress of Pharmaceutical and Drug Industries Division, (٢٠٠٥) ٧-٩ March, Cairo, Egypt. Poster presentation
- ١٧) Determination of Warfarin Metabolism Genetic Diversity Using High Performance Liquid Chromatography, Presented at The ٢nd International Congress of Pharmaceutical and Drug Industries Division, (٢٠٠٥) ٧-٩ March, Cairo, Egypt. Poster presentation
- ١٨) Blood Lead Levels in Kooshk Lead Mine Workers, Presented at The ٢nd International Congress of Pharmaceutical and Drug Industries Division, (٢٠٠٥) ٧-٩ March, Cairo, Egypt. Poster presentation
- ١٩) Studies on Mechanical Effect of Carum Copticum by Assessing Intestinal Motility in Rat, Presented at The ٢nd International Congress of Pharmaceutical and Drug Industries Division, (٢٠٠٥) ٧-٩ March, Cairo, Egypt. Poster presentation
- ٢٠) Effect of Gossypin on Formalin-induced Nociception in Mice, Presented at The ٢nd International Congress of Pharmaceutical and Drug Industries Division, (٢٠٠٥) ٧-٩ March, Cairo, Egypt. Poster presentation
- ٢١) Determination of Benzodiazepines and Antidepressants Using Gas Chromatography Equipped with Nitrogen-phosphorous Detector, Presented at The ٢nd International Congress of Pharmaceutical and Drug Industries Division, (٢٠٠٥) ٧-٩ March, Cairo, Egypt. Poster presentation
- ٢٢) Survey of Addicted People Medicine Asking from the Pharmacies of Yazd City, Third National Congress on Addiction, (٢٠٠٥) ٢٦-٢٨ Jan. Yazd, Iran. Poster presentation
- ٢٣) Analysis of Water Samples for Organophosphate Pesticides Using Solid Phase Microextraction, Presented at National Congress on Food Hygiene and Safety, (٢٠٠٤) ٢١-٢٣ Dec. Yazd, Iran. Oral presentation
- ٢٤) Analysis of Flour Samples for Detection and Quantification of Aflatoxins Using HPLC Equipped with Kobra Cell and Reversed Phase Column, Presented at National Congress on Food Hygiene and Safety, (٢٠٠٤) ٢١-٢٣ Dec. Yazd, Iran. Oral presentation
- ٢٥) Effect of Gossypin on Formalin-induced Nociception in Mice, Presented at ٢nd International Congress on Traditional Medicine and Material Medica, (٢٠٠٤) ٤-٧ Oct. Tehran, Iran. Oral presentation

۲۶) Optimization of Solid Phase Microextraction (SPME) of Drugs and the First report of SPME Application for the Post-mortem Sample, Presented at the First Legal Medicine Congress of Islamic Countries. (۲۰۰۴). ۲۴-۲۶ June, Tehran, Iran. Oral presentation

۲۷) Over the Counter Drug Consumption in Diabetic Patients Referred to Yazd Diabetic Research Center. Presented at ۷th International Congress of Endocrine Disorders, (۲۰۰۴) ۸-۱۱ Oct. Tehran, Iran. Poster presentation

۲۸) Optimization of High Performance Liquid Chromatography for Detection and Quantification of Aflatoxins B₁, B₂, G₁ and G₂ from Pistachio, Presented at National Congress on Food Hygiene and Safety, (۲۰۰۴) ۲۱-۲۳ Dec. Yazd, Iran. Poster presentation

۲۹) Application of Solid Phase Microextraction Technology on Drug Screening and Identification. Presented at the Pathology (۲۰۰۲). ۱۵-۱۷ May, Birmingham, UK. Oral presentation

۳۰) Introduction of the Novel Extraction Method of SPME for the Quantification of Drugs. Presented at the ۹th Iranian Student Seminar in Europe, (۲۰۰۲). ۲۹-۳۰ June, Birmingham, U.K. Oral presentation

۳۱) Post-mortem Analysis Using GC-MS and Comparison of the Results with the Other Methods Including HPLC and Immunoassay, Presented at ۳۴th Annual and ۶th International Convention of Medical Association of North America. (۲۰۰۱) ۲۷-۳۱ Jul. Tehran, Iran. Oral presentation

۳۲) Treatment of Cutaneous Leishmaniasis (CL) by Application of Medicinal Plant Extraction, Presented at ۳۴th Annual and ۶th International Convention of Medical Association of North America. (۲۰۰۱). ۲۷-۳۱ Jul. Tehran, Iran. Oral presentation

۳۳) Extraction of Medicines from Five Drug Groups Using SPME, Presented at the ۸th Iranian Student Seminar in Europe, (۲۰۰۱). ۵-۷ May, UMIST, Manchester, UK. Poster presentation

۳۴) Detection and Quantification of Drugs From Blood Samples Using NPD- Chromatograph, Presented at the ۸th Iranian Student Seminar in Europe, (۲۰۰۱). ۵-۷ May, UMIST, Manchester, UK. Poster presentation

۳۵) Application of Solid Phase Microextraction and Gas Chromatography-mass spectrometry (selected ion monitoring) to Drug Identification and Quantification from Post-mortem Materials, Presented at ۹th International Congress of Toxicology (۲۰۰۱) ۸-۱۲ Jul. Brisbane, Australia. Poster presentation

۳۶) SPME and Gas Chromatography-mass spectrometry. Presented at the ۷th Iranian Student Seminar in Europe, (۲۰۰۰). ۲۰-۲۱ May UMIST, Manchester, U.K. Oral presentation

۳۷) Application of Gas Chromatograph Coupled with Nitrogen-phosphorous Detector for Identification of Drugs, Presented at the ۶th Iranian Student Seminar in Europe, (۱۹۹۹). ۸ May ۱۹۹۹, Manchester, U.K. Oral presentation

۳۸) Optimisation of Nitrogen-phosphorous Detector for Identification of Basic Drugs, Presented at ۲۵th International Symposium on Chromatography, (۱۹۹۹). ۱-۵ Oct. London, UK. Poster presentation

۳۹) Formulation of Theophylline Perforated Coated Tablets as a Controlled Release Form, Presented at First Seminar of Industrial Pharmacy, (۱۹۸۹) ۵-۷ Dec. Tehran, Iran. Oral presentation

۴۰) Effect of Fenfluramine on Lipid Metabolism in Adipose Tissue and on Plasma Glucose and Insulin Levels in Rat, Presented at the ۸th Iranian Congress of Physiology and Pharmacology, (۱۹۸۷) ۲۵-۲۸ Apr. Isfahan, Iran. Oral presentation

۴۱- بررسی اثرات مصرف مزمن چای سیاه و چای کامبوچا بر کاهش وزن در موش صحرایی دیابتی. گیاهان دارویی زمستان ۱۳۸۴؛ ۵(ویژه نامه دیابت): ۱۷-۲۲.

۴۲- بررسی میزان مواجهه با بنزن تولوین اتیل بنزن و گزیلین به روش میکرواستخراج از فاز جامد و کروماتوگرافی گازی در پمپ بنزین های شهر یزد مجله علمی پژوهشی فصلنامه جنوب (پذیرش شده)

۴۳- بررسی میزان غلظت بنزن در داخل کابین تاکسی های شهر یزد با استفاده از روش SPME فصلنامه طلوع بهداشت ، سال دهم، شماره ۳-۴

۴۴- ارزیابی میزان تماس کارگران شاغل در گلخانه با سموم آنتی کولین استراز از طریق پایش بیولوژیک مجله سلامت کار ایران(پذیرش شده)

STUDENT THESIS

۱- Evaluation of Diazinon and Chlopiryfos residual in children herbal medicine by SPME and GC-FID Pharm D student (Isfahan University) *In Progress*

۲- Evaluation of blood diazinon concentration in blood of rice farm workers in Faraidonkenar city MSc Occupational Health Student *Ended at ۱۹۹۱*

- ۳- The efficiency of spider plant, zonal geranium, Mother-in-law's tongue, pothos in decreasing of BTEX from air **MSc Occupational Health Student *In Progress***
- ۴- Effectiveness of Opuntia Microdasys plant in elimination of BTEX from air using SPME-GC-FID **Pharm D student (Isfahan University) *In Progress***
- ۵- The SPME-GC-FID analysis of benzene, toluene, ethylbenzene and xylene (BTEX) in hemodialysis rooms of Yazd province hospitals **MSc Occupational Health Student *In Progress***
- ۶- Evaluation of herbicide residual in three Yazd groundwater by SPME and GC-FID and confirmation by GC-MS **MSc analytical chemistry student (Yazd Azad University) *Ended at ۱۹۹۰***
- ۷- Urinary benzene as a biomarker of exposure among occupationally exposed petrol station workers in Yazd city **MSc Occupational Health Student *Ended at ۱۹۹۰***
- ۸- Exposure assessment of greenhouse workers with anti-cholinesterase pesticides by biological monitoring **MSc Occupational Health Student (Shahid Beheshti Student) *In Progress***
- ۹- Treatment of recurrent pregnancy loss by Levothyroxine (LT_۴) in women with high Anti-TPO antibody **MD student (Yazd Azad University) *Ended at ۱۹۹۱***
- ۱۰- Evaluation of antibacterial activity of Peganum Harmala extracts and calcium hydroxide on F. Faecalis with agar diffusion method **Dental student *Ended at ۱۹۹۰***
- ۱۱- The effect of low dose of oral clonidine on pain after abdominal hysterectomy **MD student *Ended at ۱۹۹۰***

REFERENCES

۱) Dr Keith Hall (Chairman)
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Manchester, UK
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E-mail: keith@hallanalytical.co.uk

۲) Dr Vic Garner (Consultant chemist)
۴۸ Trinity Gardens, Davenport, Stockport, UK, SK۳ ۸TL