

# CURRICULUM VITAE

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## List of Contents

<b>DEGREES .....</b>	<b>2</b>
<b>EMPLOYMENT .....</b>	<b>2</b>
<b>PROFESSIONAL ACTIVITIES.....</b>	<b>3</b>
<b>MEMBERSHIPS.....</b>	<b>4</b>
<b>HONOURS AND AWARDS .....</b>	<b>4</b>
<b>TECHNIQUES AND EXPERIENCES .....</b>	<b>5</b>
<b>RESEARCH GRANT .....</b>	<b>6</b>
<b>COLLABORATIVE RESEARCH PROJECTS .....</b>	<b>8</b>
<b>THESIS SUPERVISION .....</b>	<b>8</b>
• <b>COMPLETED.....</b>	<b>8</b>
• <b>IN PROGRESS .....</b>	<b>10</b>
<b>TEACHING EXPERIENCES.....</b>	<b>10</b>
** <b>GRADUATE LEVEL (PH.D.).....</b>	<b>10</b>
** <b>UNDERGRADUATE (PHARM.D., B.SC.).....</b>	<b>11</b>
** <b>EXTRACURRICULAR COURSES .....</b>	<b>11</b>
** <b>EDUCATIONAL MOVIES .....</b>	<b>12</b>
<b>PUBLICATIONS.....</b>	<b>12</b>
<i><b>FULL PAPERS .....</b></i>	<b>12</b>
<i><b>ACADEMIC PRESS AND HANDOUTS.....</b></i>	<b>16</b>
<i><b>CONGRESS PROCEEDINGS .....</b></i>	<b>16</b>
<i>Invited Oral presenter.....</i>	<i>16</i>
<i>Congress presentation .....</i>	<i>17</i>
<b>LAST PAGE.....</b>	<b>24</b>

## Degrees

- **Post Fellowship**, Medical Law and Ethics – Center for Medical Law and Ethics – Shaheed Beheshti University of Medical Sciences – Iran – 2008.

Thesis title: Comparative evaluation of pharmaceutical law and ethics in Iran and other countries. Supervisors: Professor Graham Dukes (University of Oslo, Norway), Dr. Mahmoud Abbassi (SBMU, Iran).

- **Ph.D.**, Pharmacology discipline, Cellular and Molecular Medicine – School of Medicine - University of Ottawa – Canada – 1998.

Thesis title: Cell cycle dependency of cisplatin and cytotoxicity on ovarian cancer cells. Supervisor: Dr. Rakesh Goel (Ottawa U., Canada).

- **M.Sc.**, Pharmacology - School of Medicine - University of Ottawa - Canada - 1995.

Thesis title: Toxicity of cisplatin and its metabolites on ovarian cancer cells. Supervisor: Dr. Rakesh Goel (Ottawa U., Canada).

- **Fellowship** of Research in Drug Monitoring, Institute of Pharmacology, Colon University, Colon, Germany, 1990.

- **Pharm.D.**, School of Pharmacy - Mashhad Univ. of Med. Sci. - Mashhad - Iran - 1988.

Thesis title: Comparative bioavailability of Inderal and TD Propranolol. Supervisor: Dr. Mehdi Balali Mood (Mashhad Med School, Iran).

## Employment

- Full Professor, Pharmacology and Toxicology, School of Pharmacy, Shaheed Beheshti University of Medical Sciences, Tehran , Iran.
- Adjunct Professor, Biotechnology, School of Pharmacy, Shaheed Beheshti University of Medical Sciences, Tehran , Iran.
- Adjunct Professor, Medical Ethics Center, Shaheed Beheshti University of Medical Sciences, Tehran , Iran.

## Professional Activities

- 2006-Present Dean, SBMU Pharmaceutical Research Centre.
- 2007-Present Head, Iranian Association of Pharmaceutical Specialists.
- 2007-Present Board of Specialist in Pharmaceutical Management, Ministry of Health.
- 2006-Present Directing committee, Poisoning and Toxicology Research Centre.
- 2006-2008 Vice Chancellor for Food and Drugs, Shaheed Beheshti University of Medical Sciences.
- 2006 General Secretariat, 10<sup>th</sup> Iranian Pharmaceutical Sciences Congress, August 21-24, Tehran, Iran.
- 1999- Present Policy Board, Journal of Medical Education (International, in English).
- 2004- Present Editorial Board, Iranian Journal of Pharmaceutical Researches (in English, Index in CA).
- 2002- Present Editorial Board, Iranian Journal of Pharmaceutical Sciences (in English, ISI Index).
- 2002-present Scientific Committee, Pharmaceutical Sciences Reseach Center, Tehran.
- 2003-present Executive Committee, Iranian Association for Pharmaceutical Specialists, Tehran.
- 2001- 2004 Graduate Studies Committee, Faculty of Pharmacy, Shaheed Beheshti University of Medical Sciences.
- 2002-2004 Executive Board, Pardis Foundation for Pharmaceutical Support of University Hospitals.
- 2000-2002 Head, Department of Toxicology/Pharmacology, Shaheed Beheshti University of Medical Sciences.
- 1999- 2002 Education and Development Centre. Head of committee on active teaching methods in Basic Medical Sciences.

## Memberships

- 1989- Present: Iranian Society of Physiology and Pharmacology.
- 1990- Present: Iranian Association of Pharmaceutical Specialists.
- 1999- Present: Iranian Association of Toxicology specialists.
- 1992- 2004: American Association for Cancer Research (*Active member*).
- 1993-1996: Spectroscopy Society of Canada (*Member at large, Associate member*).

## Honours and Awards

- 2008 Best Scientific Research Presentation Award, 11<sup>th</sup> Iranian Pharmaceutical Sciences Congress, Kerman, Iran.
- 2007 Best Scientific poster Presentation Award, 8<sup>th</sup> Iranian Pharmacy Students Congress, Sari, Iran.
- 2005 Best National Scientific Research Conduct Award, SBMU Research Festival.
- 2004 Selection Award for Best Teaching Methodology and Skill, SBMU Education Festival.
- 2003 Best Scientific Research Presentation Award, 9<sup>th</sup> National Seminar of Pharmacy educators, Tabriz, Iran.
- 2003 Award for Best Research Project Selected at School of Pharmacy, Shaheed Beheshti University of Medical Sciences, Tehran, Iran.
- 2003 3<sup>rd</sup> honour award of best research work, 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology, Tehran, Iran.
- 2002 Award for Best Scientific Research Presentation, 8<sup>th</sup> Iranian Seminar of Pharmaceutical Sciences (ISPS8), Shiraz, Iran.

- 2000 Award of Best Workshop Design & Presentation for the design and presentation of *Art of Incorporation: Student, Lessons and Learning Workshop*. Tehran University of Medical Sciences, Tehran, Iran.
- 1999 Honour for the Best three Poster Presentations, ISPCC, Keble College, Oxford, UK.
- 1998 Honour for Best Research Design and Presentation, 5<sup>th</sup> National Pharmacy Students Tehran, Iran.
- 1998 Honour for Computer Application in Medical Education, 5<sup>th</sup> National Pharmacy Students, Tehran, Iran.
- 1996 Dr. Ronald G. Micetich Award, IGSMNSA 96, from SynPhar Laboratories Inc. for best oral presentation, Edmonton, Canada, 1996.

## Techniques and Experiences

- **HPLC and GC Trial** (Trained from Dr. Khazaie-Nia, Daru-Pakhsh drug investigation centre, Tehran, Iran, 1987)
- **Methodology of Research** (Trained in Shaheed Beheshti Univ. Med. Sci., Dizin, Iran, 1989)
- **Laboratory Clinical Pharmacology and Pharmacokinetics** (Trained from Dr. Thison, Inst. Clinical Pharmacology, Cohlou, Germany, 1990)
- **Computer (basic and advance programming)** (Trained in Research Division, Minist. Health Treat. Med. Educat., Tehran, Iran, 1990-1991)
- **Clinical Research Methodology** (Trained from Dr. G. Leventhal and Dr. S. Piantadosi, in AACR meeting, Orlando, Florida, USA, 1993)
- **Embryonic Stem Cells and gene knockouts** (Trained from Dr. T. Doetschman, University of Cincinnati, in AACR meeting, Orlando, Florida, USA, 1993)
- **Flow Cytometry** (Trained from Nicole Blais, Coulter Electronics of Canada and Dept. of Immunology, University of Ottawa, Canada, 1994)
- **Quantitative Genotyping and phenotyping using Flow Cytometry and Fluorescence in Situ Hybridization** (Trained from Dr. F.M. Robertson, Ohio State University and Dr. J.W. Gray,

University of California, USA, 1994)

- **In-vitro Studies with Cell Culture** (Trained from Dr. R. Goel and Dr. Matshela Molepo, Ottawa regional cancer centre, Canada, 1992-1994)

- **Infrared Spectroscopy Applications in Biology** (Trained from Dr. P.T.T. Wong, NRC, Ottawa, Canada, 1992-1994)

- **Atomic Absorption Spectroscopy** (Trained from Dr. M. Molepo, Ottawa regional cancer centre, Canada, 1992)

- **Preparation of Primary Neuron Cell Cultures** (Trained from Dr. S. Fedoroff, Dept. of Anatomy, Univ. Saskatoon, Canada, 1993)

- **Introduction to NMR and its applications** (Trained from Dr. K.M. Briere, NRC, Winnipeg, Canada, 1993)

- **Teaching Skills at Universities** (Trained in Continues and Developmental Education Centre, Shaheed Beheshti University of Medical Sciences - WHO affiliated Centre , Tehran, Iran, 1999)

## **Research Grant**

- Proliferate effects of Para-hydroxy benzoic acid esters (parabens) in OV2008 and MCF-7 cellular models. Founded by Pharmaceutical Sciences Research Center, Tehran, Iran (2005)

- In-vitro cytotoxicity of Mentha pulegium essential oil fractions. Founded by Pharmaceutical Sciences Research Center, Tehran, Iran (2005)

- Cellular localization of sodium arsenite in Human live HepG2 cells. Founded by Pharmaceutical Sciences Research Center, Tehran, Iran (2005)

- Vitamins C and E in Gluthatione Dependent Cytotoxicity Protection Induced by Acetaminophen Poisoning. Founded by Mazandaran University of Medical Sciences, Sari, and Shaheed Beheshti University of Medical Sciences, Tehran, Iran (2005)

- A comparivtive study of Pap smear test results in Iran and Canada. Founded by Dept. of Pathology, University of Ottawa, Ottawa, Canada, and Shaheed Beheshti University of Medical Sciences, Tehran, Iran (2004).

- Potential role of vitamins C in decreasing cisplatin nephrotoxicity. Founded by Urology and Kidney Research Center, Tehran, Iran (2004)
- Potential role of vitamins E in decreasing cisplatin nephrotoxicity. Founded by Urology and Kidney Research Center, Tehran, Iran (2004)
- DNA damage characterisation using comet assay electrophoresis. Founded by Shaheed Beheshti Uni. Of Med. Sci., Tehran, Iran (2002)
- Relative Bioavailability of Losartan manufactured by Alborz-Daru. Design of a new HPLC method for plasma determination and pharmacokinetic investigation on orally administered drug. Founded by Alborz-Daru, Tehran, Iran. (2001)
- Spectroscopy as a diagnostic technique for cancer. Using of FTIR spectra to evaluate tissues. Founded by the Iranian National Center for Medical Researches. (2000-2001)
- Evaluation of Khalvash aerial parts cytotoxicity. Founded by Shaheed Beheshti Uni. of Med. Sci., Tehran, Iran. (2000)
- FTIR study of cisplatin interaction with ovarian carcinoma cells. Founded by Shaheed Beheshti Uni. of Med. Sci., Tehran, Iran. (2000)
- Pyrogenity, quality and quantity controls, and pharmaceutical formulation of human recombinant growth hormone made by Iranian NRCGEB, Founded by NRCGEB, Tehran, Iran. (1999-2000)
- Hara, Bidar and Ors extracts cytotoxicity properties, using phytochemistry and cell culture techniques. Founded by Shaheed Beheshti Uni. of Med. Sci., Tehran, Iran.(2000)
- Relative Bioavailability of Triamteren-H manufactured by Iran-Daru. Design of a new HPLC method for plasma determination and pharmacokinetic investigation on orally administered drug. Founded by Iran-Daru, Tehran, Iran. (1999)
- Designer of a HPLC method for the detection of 5-FU and cooperation in the plasma level measurements of 5-FU in the clinical pharmacological study on the modulation of 5-FU effects with PALA. Founded by U.S. Bioscience and was done in the cancer Ins. of Ottawa Civic Hospital. (1994)
- Iranian responsible for the cooperative project of Cohlou University (Germany) and Shaheed Beheshti Univ. of Med. Sciences (Iran) on the HPLC determination of N-acetylneuramin lactose isomers in human plasma. Founded by both universities. (1992)
- In charge of the index services of Iranian scientific magazines, and writer of the proper computer programme. Founded by Daru-Pakhsh. (1989-1992)

- In charge of the cooperative project of Iranian Research Centre on Drugs, Tolidaru drug company and Mashhad Univ. of Med. Sciences on the bioavailability of different formulations of propranolol. Founded by the first centre. (1990)
- Designer and computer programmer of drug controlling system for usage, administration and interactions in the west of Iran. Founded by West Drug Office. (1989)
- Statistical study of poisoned in Mashhad Emam Reza Hospital. Founded by Toxicology Association of Iran. (1989)
- In charge of the project of epidemiologic study on 3000 cancer cases in Khorasan province and presentation of a new hypothesis for the ethiology of oesophagus cancer in Iran. Founded by Mashhad Univ. of Med. Sciences. (1989)

## **Collaborative Research Projects**

- 2003-2005: Collaborative research contract with the Ottawa Regional Cancer Centre on the cellular cytotoxicity of cisplatin.
- 2003: Collaborative research agreement with the department of pathology on the quality assurance of Pap test results.
- 1998-2002: Research contract with ORCC on the HPLC measurement of the cisplatin metabolites.
- 2003: Cellular Toxicities of Aflatoxins extracted from Iranian Pestash. Collaborative grand with Dr. Hassan Yazdanpanah. Founded by FAO & the Iranian Ministry of Agriculture.
- 2003: AntiBacterial and Cellular Toxicities of Shikonin. Collaborative grand with Dr. Kamaloding Hagbin. Founded by Iranian National Research Council on Genetic Engineering Biotechnology (NRCGEB), Tehran, Iran.

## **Thesis Supervision**

- **Completed**
- Maryam Nakhjavani (Pharm D thesis), “Cytotoxicity of Three Novel 1, 3-Diarylprop-2-En-1-One Derivatives on Human Hepato, Lung and Breast Carcinoma Cells”, 2009.



- A. Tamaddon (Ph.D. thesis), "Cellular delivery of antisense using target-specific liposome", 2006.
- F. Khoshjoo (Ph.D. thesis), "Study of the cytotoxicity of Aflatoxin B1 in the pistachio matrix", 2006.
- M. Shokrzadeh (Ph.D. thesis), "Role of glutathione dependent cytotoxicity mechanism in cisplatin", 2006.
- A. Asgari (Pharm.D. thesis), "A cohort study on students' satisfaction of pharmacy education", 2006.
- N. Aryanpour (Pharm D. thesis), "A Comparison of the cytotoxicity of cisplatin with palladium derivatives in different cancer cell lines", 2006.
- E. Farhadi (Pharm.D. thesis), "Comparison of FTIR pattern of Cisplatin resistant and sensitive cell lines". Supervisor: Farshad H. Shirazi, Shaheed Beheshti Pharmacy School, Thesis # 876, 2005.
- Maryam Tourshabi (Pharm.D. thesis), "Electrophoresis Pattern of Ovarian Cancer Cells' Proteins." Supervisor: Farshad H. Shirazi, Shaheed Beheshti Pharmacy School, Thesis # 687, 2003.
- Shahrzad Bahrami (Pharm.D. thesis), "Cytotoxicity Measurement of Avicennia marina, Juniperus excelsa and Euphorbia tirucalli." Supervisor: Farshad H. Shirazi, Shaheed Beheshti Pharmacy School, Thesis # 652, 2002.
- Azin Movahhed (Pharm.D. thesis), "Detection of DNA Damage in Apoptosis Induced by Cisplatin." Supervisors: Farshad H. Shirazi and Zahra Samadi Bahrami, Shaheed Beheshti Pharmacy School, Thesis # 651, 2002.
- Mahnaz Shekari (Pharm.D. thesis), "Physico-chemical Control of Iranian made Triamterene-H Tables and their Comparison with Foreigner Samples." Supervisor: Farshad H. Shirazi, Shaheed Beheshti Pharmacy School, Thesis # 653, 2001.
- Neda Ahmadi (Pharm.D. thesis), "Evaluation of the cytotoxicity of Mentha pulegium (Khalvash) aerial parts and leaves." Supervisor: Farshad H. Shirazi, Shaheed Beheshti Pharmacy School, Thesis # 672, 2001.
- Niki Vakili (Pharm.D. thesis), "Study of Cisplatin Cellular Effects Using Infra-Red Spectroscopy." Supervisor: Farshad H. Shirazi, Shaheed Beheshti Pharmacy School, Thesis # 631, 2001.

- Masoumeh Eftekhari (Pharm.D. thesis), “Cisplatin Cellular Toxicity Parameter Determination for Different Cancer Cells.” Supervisor: Farshad H. Shirazi, Shaheed Beheshti Pharmacy School, Thesis # 629, 2000.
- **In progress**
  - Salarian (PhD thesis), “Anticancer effects of lactobacillus membrane proteins”.
  - Sara Movaseghian (PhD thesis), “Animal models in anticancer antisense delivery systems using liposomes”
  - Fatemeh Ahmadi (PhD thesis, consultant), “Novel anticancer drug deliver system in animals”
  - Nassim Anjidani (Pharm D thesis), “ Evaluation of paraben carcinogenic risk from different cosmetic products”
  - Nasrin Nikonejad (Pharm D thesis), “Khalvash essential oil fraction as anticancer agent for cervix cancers”

## Teaching Experiences

### \*\* Graduate level (Ph.D.)

- Since 2006: Molecular and Cellular techniques; Theory and practice, Shaheed Beheshti University of Medical Sciences, Tehran, Iran.
- Since 2003: Pharmacology for chemistry students (*parts: pharmacokinetics and cancer drugs*), Dept. Medicinal Chemistry, Tehran University of Medical Sciences.
- Since 1999: Cellular Toxicology (*Full semester course covering cellular structure, biology and response to toxins*), Dept. Pharmacology & Toxicology, Shaheed Beheshti Pharmacy School.
- Since 1999: Advanced Toxicology (*parts: Teratogenesis, Carcinogenesis, Laboratory, Clinical*), Dept. Pharmacology & Toxicology, Shaheed Beheshti Pharmacy School.
- Since 2001: Molecular Biology (*Full semester course covering introduction to molecular biology and techniques for pharmacy students*), Dept. Pharmacology, Tabriz University of Medical Sciences.
- Since 2002: Pharmacokinetic (*parts: data manipulations, Curve fitness, Curve mat., Isobologram*),

Dept. Pharmacology & Toxicology, Shaheed Beheshti Pharmacy School.

- Since 1999: Instrumental and Analytical Techniques (*parts: Blotting techniques, HPLC, and biological applications of FTIR, and Raman spectroscopy*), Dept. Pharmacology & Toxicology, Shaheed Beheshti Pharmacy School.
- Since 2000: Computer (*Full semester course covering basic hardware, understanding programming and algorithm, and training on different applications in biology*), Dept. Pharmacology & Toxicology, Shaheed Beheshti Pharmacy School.

**\*\* Undergraduate (Pharm.D., B.Sc.)**

- Since 1999: Toxicology (*parts: General, Teratogenesis, Carcinogenesis, Laboratory, Clinical*), Shaheed Beheshti University of Medical Sciences.
- Since 1999: Toxicology laboratory (*parts: cytotoxicity measurements, enzymes*), Shaheed Beheshti University of Medical Sciences.
- Since 1999: Pharm.D. Program Pharmacology (*parts: General, Biotransformation, Kinetics, Receptor & signalling, Histamines & Antihistamines, Cardiovascular, Antibiotics, Cancer, drugs affecting immune system, Drug Interactions*), Shaheed Beheshti University of Medical Sciences.
- Since 1999: Pharm.D. Program Pharmacology laboratory (*parts: TDM, Protein binding, cellular accumulation of drugs, kinetic of effects on site of action*), Shaheed Beheshti University of Medical Sciences.
- Since 1999: Nursing, Optometric and Audiometric Programs Pharmacology (*full course*), Shaheed Beheshti University of Medical Sciences.
- Since 1999: Computer for pharmacy students (*Full semester course covering introduction to hardware and software and applications for pharmacy students*), Shaheed Beheshti University of Medical Sciences.

**\*\* Extracurricular Courses**

*(Offered to academic members and educational professions in seminars and workshops):*

- Since 2003: “Evaluation of Cellular Toxicities”, Workshop, School of Pharmacy, Shaheed Beheshti University of Medical Sciences.
- Since 2001: “Educational Development”, Centre for Medical Education, Shaheed Beheshti University of Medical Sciences.

- Since 2001: “Understanding our Students”, Centre for Medical Education, Shaheed Beheshti University of Medical Sciences.
- Since 2001: “Active methods in Teaching University Students”, Centre for Medical Education, Shaheed Beheshti University of Medical Sciences.

### **\*\* Educational Movies**

- Cell Culture Laboratory, Training movie on the protocols and nature of research in cell culture laboratory. By: Farshad H. Shirazi, 2004.
- 3D Biology. *3D cartoons to understand molecular and cellular bases of human physiology and drug interactions. Film is on CD and designed to be interactive covering different chapters of pharmacology.* By: Farshad H. Shirazi and Ghazal Moghaddam. 2002-present (*In preparation*).
- Basic Cell Culture. *A 30 minutes film on VHS for understanding the concept of cell culture and basic techniques in cell culture lab, including Interviews and presentations with Dr. M. McBurney and Dr. D.J. Stewart.* By Farshad H. Shirazi, 2001.
- Cell Culture Application. *A 30 minutes VHS film covering the basic cellular and molecular procedures in cell culture lab including cytotoxicity assays, blotting techniques and comet assay.* By Farshad H. Shirazi, 2001.

## **Publications**

### **Full Papers**

- A Salarian, A Jalali, A Mirakabadi, H Vatanpour and F H. Shirazi. “Cytotoxic Effect of two Iranian Scorpions *Odontobuthusdoriae* and *Bothutus saulcyi* on Five Human Cultured Cell lines and Fractions of Toxic Venom” Iranian Journal of Pharmaceutical Research (2012),11 (1)
- R Zendehtdel, A M. Nejad, J Mohammadzadeh and F H. Shirazi . “Cisplatin Resistant Patterns in Ovarian Cell Line Using FTIR and Principle Component Analysis” Iranian Journal of Pharmaceutical Research (2012),11 (1)
- K Hghbeen, S Pourmoleai, M. J Mareftjo, A Mousavi, K Akbari Noghabi, F. H Shirazi and A Meshkat. “ Detailed Investigations on the Solid Cell Culture and Antimicrobial Activities of the Iranian *Arnebia euchroma*” Hindawi Publishing Corporation (2011)

- S Movassaghian, H R Moghimi, F. H Shirazi and V. P Torcilin “Dendrosome-dendriplex inside liposomes: as a gene delivery system” *Journal of Drug Targeting*. (2011),1-8
- S Mohebbi, F. H Shirazi, S H Sharifnia, F Kobarfard. “Introducing ‘Synthesis Route-Based Hit Identification Approach’ as a tool in Medicinal Chemistry and its Application in Investigating the Antiproliferative and Antimicrobial Effects of 2- Aminopyrimidine Derivatives” *International Journal of Drug Discovery* (2011)Issue 2. Vol.3. pp 78-87
- S Gholami, F S, F H Shirazi, M Touhidpour, and M Mahmoudian. “Evaluation of Mutagenicity of Mebudipine, a New Calcium Channel Blocker” , *Iranian Journal of Pharmaceutical Research* (2010), 9(1):49-53
- S Dadashzadeh, K Derakhshandeh, FH Shirazi. “9-Nitrocamptothecin polymeric nanoparticles: cytotoxicity and pharmacokinetic studies of lactone and total forms of drug in rats.” , *Anticancer Drugs* (2008) 19: 805-811
- F.H. Shirazi, N. Vakili, Kh. Abdi, F.B. Rahimi. “Fourier-Transform Infrared Spectroscopic Comparison of Normal and Malignant Cervicax Tissue”, *IJPR*, 2007, In press.
- A.M. Tamaddon, F.H. Shirazi, H.R. Moghimi. “Modeling cytoplasmic release of encapsulated oligonucleotides from cationic liposomes”. *International Journal of Pharmaceutics*, 2007, May 4;336(1):174-82.
- A.M. Tamaddon, F. Hosseini Shirazi, H.R. Moghimi. “Preparation of oligodeoxynucleotide encapsulated cationic liposomes and release study with models of cellular membranes” , *DARU*, 15:2, 61-69.
- A Foroumadi, S Emami, Sh Mansouri, A Javidnia, N Saeid-Adeli, F.H. Shirazi, A Shafiee. “Synthesis and antibacterial activity of levofloxacin derivatives with certain bulky residues on piperazine ring”. *European Journal of Medicinal Chemistry*, 2007, Jul;42(7):985-92 .
- F.H. Shirazi, H. Yazdanpanah, F. Khoshjoo and L. Hossinzadeh. “Pistachio extracts effects on the aflatoxin B1 cytotoxicity in HepG2 cells”, *Int. J. Pharmacology*, 2006, 2(2): 233-239.
- M. Balali-Mood, K. Balali-Mood, F.H. Shirazi. “Recent advances in treatment of acute organophosphorous nerve agents poisoning” *IJPR*, 2006, 5 (2), 79-87.
- A Foroumadi, Sh Ghodsi, S Emami, S Najjari, N Samadi, M A Faramarzi, L Beikmohammadi, F.H. Shirazi and A Shafiee. “Synthesis and antibacterial activity of new fluoroquinolones

containing a substituted N-(phenethyl)piperazine moiety". *Bioorganic & Medicinal Chemistry Letters*, 2006 1;16(13):3499-503.

- Shokrzadeh M, Shirazi F.H., Abdollahi M., Abadi A.G., and Asgarirad H. "Relationship of glutathione concentrations with cytotoxicity of cisplatin in different cell lines after confront vitamin C and E". *Pakistan Journal of Biological Sciences*, 2006, 9(15), 2734-2742.

- A Zarghi, T Zebardast, F Hakimion, F.H. Shirazi, P.N. Rao, E.E. Knaus. "Synthesis and biological evaluation of 1,3-diphenylprop-2-en-1-ones possessing a methanesulfonamido or an azido pharmacophore as cyclooxygenase-1/-2 inhibitors". *Bioorg Med Chem*, 2006,15;14(20):7044-50.

- F.H. Shirazi, Ensieh Farhadi, and N. Vakili. " A review on FTIR application in medical sciences" *Pajohesh dar Pezeshki*, 29 (4), 2006.

- van Heeswijk RP, Cooper CL, Foster BC, Chauhan BM, Shirazi F, Seguin I, Phillips EJ, Mills E., "Effect of high-dose vitamin C on hepatic cytochrome P450 3A4 activity.", *Pharmacotherapy*. 25(12):1725-8, 2005.

- F.H. Shirazi, M. Shokrzadeh, M. Abdollahi, FB. Rahimi, and L. Hossinzadeh. "Relationship of cellular glutathione concentration with the cytotoxicity of acetaminophen in different cell lines." *Int. J. Biol. Biotech.*, 2(2): 397-402, 2005.

- F.H. Shirazi, " Science and Scientists" *IJPR*, Vol.3, No. 5, 248-251, 2005.

- Shirazi F.H., Shokrzadeh M. and Hossinzadeh L., " Cellular cytotoxicity of arsenic and its association with cellular glutathione", *Chemistry: An Indian Journal*, 1(10) 689-962, 2005.

- Shirazi F.H. and Eftekhari M, " Cellular toxicity of cisplatin in Chinese hamster ovarian (CHO) cell line", *Pajohandeh*, 9(40) 191-197, 2004.

- Shirazi F.H., Ahmadi N., and Kamalinejad M., " Evaluation of northern Iran Mentha pulegium on cancer cells", *Journal of Daru*, Vol. 12 No. 3, 2004..

- Shirazi F.H., Wong P.T.T. and Goel R., " Interaction of Cisplatin with Cellular Macromolecules: A Fourier Transform Infrared Spectroscopy Study" *Iranian J. Pharmaceutical Research*, 2(1): 11-15, 2003.

- Nassim M.A., Shirazi F.H., Cripps C.M., Veerasinghan S., Molepo M.J., Obrocea M., Redmond D., Bates S., Fry D., Stewart D.J., and Goel R., " An HPLC method for the measurement of 5-fluorouracil in human plasma with a low detection limit and a high extraction yield" *Int. J. Molecular Medicine*, 10: 513-516, 2002.

- Niknafs B., Shirazi F.H., “ Human Ovarian Carcinoma OV2008 Cell Cycle Analysis After Exposure to Cisplatin” *J. Gilan Medical University*, 42: 7-13, 2002.
- Shirazi, F.H., Bahrami G., Stewart D.J., Tomiak E., Delorme F., Noel D., and Goel R.. “ A rapid reversed phase high performance liquid chromatographic method for determination of etoposide (VP-16) in human plasma.” *J. Pharmaceutical and Biomedical Analysis*, 25: 353-356, 2001.
- Djalali A. and Shirazi F.H., “ A review on cell cycle and its regulating factors” *Razi*, 12(2): 41-48, 2000.
- Obroccea M.M., Nassim M.A., Molepo M.J., Shirazi F.H., Gallant G., Dulude H., Vincent M.D., Stewart D.J., and Goel R., “ In vitro carboplatin-mesna interaction in aqueous solution, human plasma and urine.” *Oncology Report*, 5 (6): 1493-8, 1998.
- Raaphorst, G.P., Mao, J., Yang, H., Goel, R., Niknafs, B., Shirazi, F.H., Yazdi, M.H., and Ng, C.E., “ Evaluation of apoptosis in four human tumour cell lines with differing sensitivities to cisplatin.” *AntiCancer Research.*, 18(4C): 2945-51, 1998.
- Nassim, M.A., Rouini, M.R., Cripps, M.C., Shirazi, F.H., Veerasingham, S., Molepo, J.M.M., Obroccea, M., Redmond, D., Bates, S., Fry, D., Stewart, D. and Goel, R. " Effects of PALA on the pharmacokinetics of 5-fluorouracil " *Oncology Reports*, 5(1): 217-21 ,1998.
- Rouini, M.R., Lotfolahi, A., Stewart, D.J., Molepo, J.M., Shirazi, F.H., Vergniol, J.C., Tomiak, E., Delorme, F., Vernillet, L., Giguere, M. and Goel, R. “ A rapid reversed phase high performance liquid chromatographic method for determination of docetaxel (taxotere<sup>®</sup>) in human plasma using column switching technique.” *Journal of Pharmaceutical and Biomchemical Analysis*. 17(8): 1243-7, 1998.
- Shirazi, F.H., Molepo, M., Stewart, D.J. and Goel, R. " Cisplatin and its metabolites cytotoxicity, accumulation and efflux in human ovarian carcinoma cells " *Toxicology and Applied Pharmacology*. 140, 211-218, 1996.
- Taylor, K.D., Goel, R., Shirazi, F.H., Popovic, P., Stewart, D.J. and Wong, P.T.T. " Pressure tuning infrared spectroscopy study of cisplatin induced structural changes in a phosphatidylserine model membrane " *British Journal of Cancer*, 72, 1400-1405, 1995.
- Briere, K.M., Goel, R., Shirazi, F.H., Stewart, D.J. and Smith, I.C.P. " Aqueous and plasma ultrafiltrate 195Pt and 15N nuclear magnetic resonance studies of cisplatin " *Cancer Chemotherapy and Pharmacology*, 37: 518-524, 1996.
- Shirazi, S.F.H. and Haydarbaighi, A. " Doping in Sport " *J. Razi*, No.5, vol.3, 50, 1992.
- Shirazi, S.F.H. " Epidemiology of cancer in Iran " *J. Daru-va-Darman*, No.82, 3, 1991.

## ***Academic Press and Handouts***

- “ Better Teaching with Understanding our Students and Lessons”, edited by Shirazi F.H. – *Handout of Medical Education Workshop*, 2002.
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## ***Congress Proceedings***

### ***Invited Oral presenter***

- Farshad H. Shirazi “ Cellular Mechanisms involved in Cisplatin Cytotoxicity” 9<sup>th</sup> Iranian Congress of Toxicology. Shiraz, Iran, May15-17, 2007. *Iranian Journal of Pharmaceutical Sciences*, 3(2), O16, 2007.
- Farshad H. Shirazi “ Proper controls in a good cellular measurement” The first international symposium of molecular technology: Cell cycle and cell death: cellular and molecular perspectives, basic and clinical aspects. A Satellite Congress of the International Cell Death Society. 30 July-1 Aug , Proceeding pp.65-70, 2005.



- Farshad H. Shirazi, "Requirement for the wise selection and optimization of the cytotoxicity assay in cellular experiments." 2<sup>nd</sup> International Congress on Traditional Medicine and Materia Medica (TMRC). Tehran, Iran, October 4-7, 2004.

### *Congress presentation*

- Maryam Nakhjavani, Farshad H. Shirazi, Afshin Zarghi "Cytotoxicity of Three Novel 1, 3-Diarylprop-2-En-1-One Derivatives on Human Hepato, Lung and Breast Carcinoma Cells" 19<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran, Iran, Oct31-Nov3, A-10-83-3,2009.
- Sara Movaseghian, Farshad H. Shirazi "Isobologram guideline for Taxol and Cisplatin synergistic effects on human lung cancer A549 cells" 19<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran, Iran, Oct31-Nov3, p-4-64,2009.
- Amir Ahmad Salarian, Farshad Hosseini Shirazi, Amir Jalali, Davoud Zarei and Hossein Vatan pour "Cytotoxic effect of two Iranian Scorpions *Odontobuthus doriae* and *bothutus salceyi*" 19<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran, Iran, Oct31-Nov3, p-4-65,2009.
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