



## **Sepideh Arbabi Bidgoli**

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Prof.(Full) of Toxicology and Pharmacology  
Department of Toxicology and Pharmacology,  
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### **Education**

- Doctorate in Pharmacy (Pharm. D.), Pharmaceutical Sciences Branch, Islamic Azad University (IAUPS), Tehran-Iran, (1988-1994).
- Ph.D. in Toxicology and Pharmacology, Tehran University of Medical Sciences, Tehran-Iran (2000-2004).

### **Positions**

- Full time Academic member of Tehran Medical Sciences, Islamic Azad University, Tehran-Iran.
- President of Iranian Environmental Mutagen Society (A Scientific International Society under the supervision of Ministry of Science ,Research and Technology, Iran) .
- Director in charge, Journal of Water and Environmental Nanotechnology.
- Research Consultant of Islamic Azad University ,Deputy of Medical Sciences
- Responsible Toxicologist, Bahar Medical Toxicology Laboratory (SamAzma ) IrFDA collaborating lab.

### **Previous Positions (2013-2018)**

- Secretary in General, Iran NanoHealth Committee, IrFDA, Ministry of Health and Medical Education (>10 years) .
- Vice Chancellor for Research and Technology, Pharmaceutical Sciences Branch ,Islamic Azad University(>3 years)
- Dean of Faculty of Advance Sciences & Technology( >2 years)
- Dean of Pharmacy Faculty( >1 year)
- Chairperson of Young Researchers Club ([www.bpj.ir](http://www.bpj.ir)) , Pharmaceutical Sciences Branch ,Islamic Azad University >6 years
- Director of Pharmaceutical Sciences Research Center , Islamic Azad University-Pharmaceutical Sciences Branch >2years .
- Editor in chief, Journal of Pharmaceutical and Health Sciences (>6 years).

### **Ongoing Research Projects**

- 1- New Indications of herbals and chemicals in animal and clinical settings for special diseases (e.g. Ginseng, Curcumin, vitagnous, NAC etc.)
- 2- Safety assessment of new Nanopharmaceuticals by running OECD guidelines and standard protocols for regulatory purposes.
- 3- Safety assessment of 5 new Nanoherbals by running OECD guidelines and standard protocols for regulatory purposes.
- 4- Integrative medicine for cancer and neurodegenerative diseases (Non Pharmacological methods) .
- 5- Life style and increased risk of cancer and chronic diseases
- 6- Substance abuse and endocrine disruption
- 7- Art Therapy for cancer and MS patients (International project with KREMS University of Applied Sciences, Austria)
- 8- Using Art Therapy as a preventive strategy against substance abuse in young Iranian people (Ministry of Health and Medical Education) .

### **Awards (16 National and international)**

- 1-Supervising Professor of 1<sup>st</sup> ranked poster in 22th Iranian Pharmacy Students Seminar, IPSS, Zanjan, Iran, April 2019 in the field of clinical Pharmacy
- 2- Supervising Professor of 2<sup>nd</sup> ranked poster in 22th Seminar of Pharmacy students, Zanjan, 2019 in the field of quality control of pharmaceuticals
- 3- Author of the 1<sup>st</sup> Ranked Article in Loghman Festival, the 2<sup>nd</sup> National Festival in Medical Sciences 2015:
- 4-Supervising Prof. of 3<sup>rd</sup> ranked article in 19<sup>th</sup> Iranian Pharmacy Students Seminar, IPSS 2015.
- 5-Main investigator of 1<sup>st</sup> Ranked National Educational Program on Publication Ethics, Motahari Festival, Ministry of Health and Medical Education, 2014
- 6-Main investigator of 1<sup>st</sup> Ranked National Innovation in Educational Program of Practical Toxicology, Motahari Festival, Ministry of Health and Medical Education, 2014
- 7-Supervising Prof. of 1<sup>st</sup> ranked Poster, Nanotechnology conference, Mashad 2011, Dr. Mojan Mahdavi.
- 8-Poster Award, 14 Alexander Hollaender Course 2008 India
- 9.Fellowship award, WHO Regional Office (EMRO) for participation in the train the trainers course on writing a journal article and getting in published, Cairo 17-21 June 2007.
- 10- Fellowship Award from Department of Preventive Medicine, University of Texas, Medical Branch, Galveston, USA (2007, Turkey)
- 11-Fellowship Award from NDDO Research Foundation, 2006, The Netherlands
- 12-Fellowship Award from international Society of Cancer Chemoprevention, 2006, Switzerland.
- 13-Fellowship award from international Society of Cancer Chemoprevention, 2004, Switzerland .
- 14-Poster Award, Cancer detection and prevention conference, 2004, France
- 15-2nd rank distinguished PhD thesis, 6th Avicenna Festival of TUMS dissertation of University, February 2005, Iran.
- 16- Selected Ph.D. thesis, 9th Annual Ceremony of Best Dissertations, Dissertation of the year 2005 in Medical branch, June 2005, Iran.

14-First ranked Poster presentation, Cancer Detection and Prevention Conference,2004,Nice,France.

### **Teaching Experience (2000-present) for MSc. Pharm.D. and PhD students :**

- Basic Toxicology and Pharmacology Courses
- Pharmaceutical Ethics
- Genotoxicity Courses
- Nanotoxicology
- Regulatory Toxicology
- Occupational Toxicology
- Food Toxicology
- Pharmacology(Pharmacogenetics, Endocrine Pharmacology , Teratology )
- Clinical Toxicology and Poisoning
- Scientific Writing course for Academic Members
- Scientific Writing course for Academic Members on the basis and concepts of Tim Albert Method(WHO certified tutor )
- Lecturer of Toxicology programs for educating pharmacists

### **History of working with Iranian Pharmaceutical Companies:**

Scientific Consultant of Darou Pakhsh Pharmaceutical Co.

Scientific Consultant of Exir Pharmaceutical Co.

### **List of Iranian Companies with finished risk assessment /clinical projects :**

- Samen Pharmaceutical Company
- Jaber Pharmaceutical Company
- Zahravi Pharmaceutical Company
- Exir Pharmaceutical Company
- Trita Pharmaceutical Company
- Rosepharmed
- Exir Nano Sina
- Sam Arian Exir
- Darou Darman Sepehr
- Emad
- IPPC
- 13 different Nano companies in Iran

### **Published Papers (71)**

1. Tavakol S, Shakibapour S, Bidgoli SA..The Level of Testosterone, Vitamin D, and Irregular Menstruation More Important than Omega-3 in Non-Symptomatic Women Will Define the Fate of Multiple Scleroses in Future. Mol Neurobiol. 2018 Jan;55(1):462-469. doi: 10.1007/s12035-016-0325-1.
2. Faezeh Maghsoomi, Sepideh Arbabi Bidgoli. Hepatoprotective and regenerative effects of nanomicellar curcumin in alcohol induced liver injury: Comparison with curcumin and silymarin in mice model. Journal of Medicinal Plants. in press . A-10-980-2

3. Ghaffari S, Alihosseini F, Rezayat Sorkhabadi SM, Arbabi Bidgoli S, Mousavi SE, Haghghat S, Afshar Nasab A, Kianvash N. Nanotechnology in Wound Healing; Semisolid Dosage Forms Containing Curcumin-Ampicillin Solid Lipid Nanoparticles, *in-Vitro*, *Ex-Vivo* and *in-Vivo* Characteristics. *Adv Pharm Bull.* 2018 Aug;8(3):395-400. doi: 10.15171/apb.2018.046.
4. Pegah Haghghi, Solmaz Ghaffari , Sepideh Arbabi Bidgoli, Mahnaz Qomi-Setareh Haghghat. Preparation, characterization and evaluation of Ginkgo biloba solid lipid nanoparticles. *Nanomed Res J* 3(2):71-78, Spring 2018.
5. Bahareh Haddad, Mahnaz Qomi, Jinous Asgarpanah, Sepideh Arbabi Bidgoli. Organ Toxicity and Estrogen Like Effects of Cuminum Cyminum L Seed Essential Oil : A Hormonal, Histopathological and Immunohistochemical Study in Female Mice. *ARC Journal of Pharmaceutical Sciences (AJPS)* Volume 4, Issue 1, 2018, PP 1-11.
6. Maryam Soleimanifar, Faraz Mojab, Sepideh Arbabi Bidgoli. Acute and Subchronic Toxicity Assessment of Aerial parts of *Ferula Persica* in Female Mice. *JMP* 2018, 1(69): 47-58 .
7. Parisa Saberi-Hasanabadi, Sepideh Arbabi-Bidgoli, Histopathological effects of zinc oxide nanoparticles (ZnO) on skin and muscle tissues of rats. *Journal of Nanoanalysis* , Volume 5, Issue 3, Summer 2018, Page 182-187.
8. Mahya Rahmani, Seyed Mahdi Rezayat, Sepideh Arbabi Bidgoli .Electrospun Polymeric Nanofibers for Transdermal Drug Delivery. *Nanomedicine Journal* 2017, 4(2), 61-70.
9. Mohammad Moradi, Faraz Mojab , Sepideh Arbabi Bidgoli. Acute and repeated dose Oral Toxicity of *Centaurea Repens* Terpene extract in Mice. *Iranian Journal of Pharmaceutical Research* (2017), 16 (3): 1071-1079 .
10. Sepideh Jafari, Sepideh Arbabi Bidgoli. Micronucleus Investigation in Buccal Mucosal Cells of Young Waterpipe Tobacco Smokers in Tehran. *Journal of Pharmaceutical and Health Sciences* 2017;5(3), 217-224.
11. Sahar Jorshabani, Fatemeh Bagheri, Jinous Asgarpanah, Sepideh Arbabi Bidgoli. Antioxidants and Hepato Protective Potentials of Oral Cleome *Brachycarpa* Hydroalcoholic Extract: An Organ Toxicity Assessment in Mice. *ARC Journal of Pharmaceutical Sciences (AJPS)* 2017, 3(2), 22-34 .
12. Anoushe Raesian, Sepideh Arbabi Bidgoli, Seyed Mahdi Rezayat Sorkhabadi. Dermal toxicity of Colloidal Nanosilver in Albino Rabbit: A New Approach to Physicochemical Properties . *Nanomed Res J* 2017, 2(3):142-149.
13. Shahrzad Sadri, Sepideh Arbabi Bidgoli, Masoomeh Heshmati. Ames Mutagenicity Assessment of Flavored Water Pipe Tobacco Products: A Cross Sectional Study in Tehran. *Journal of Pharmaceutical and Health Sciences*, 2016, 4(3), 2370-245.
14. Bidgoli SA, Eftekhari T, Keihan H. Role of endocrine disrupting chemicals on the tissue levels of AhR and sex steroid receptors in breast tumours. *Journal of Pharmaceutical and Health Sciences* 2016;4(2), 109-115.
15. M Safari, S Arbabi Bidgoli, SM Rezayat. Differential neurotoxic effects of silver nanoparticles: A review with special emphasis on potential biomarkers. *Nanomedicine Journal* 3 (2), 83-94.

16. Heydeh Keyhan, Sepideh Arbabi Bidgoli, Abolfazl Mehdizadeh Kashi. Increased risk of endometriosis by long term exposure to xenoestrogens: A case control study in Iranian women. *J Pharm Health Sci* .2016, 4 (1) ,79-81.
17. M Heshmati, SA Bidgoli, S Khoei, SM Rezayat, K Parivar. Cytotoxic effects and morphological changes of silver nanoparticles in CHO-K1 cells. *J Kermanshah Univ Med Sci*,2015,19(5),239-246.
18. Baharifar H, Tavoosidana G, Karimi R, Bidgoli SA, Ghanbari H, Faramarzi MA, Amani A. Optimization of Self-Assembled Chitosan/Streptokinase Nanoparticles and Evaluation of Their Cytotoxicity and Thrombolytic Activity. *J Nanosci Nanotechnol*. 2015 Dec;15(12):10127-33.
19. SA Bidgoli, SM Rezayat. Health Studies and Regulation of Nanohealth Products in Iran: Effectiveness and Challenges of Knowledge Translation .*Malaysian Journal of Pharmaceutical Sciences* 13 (1), 91.
20. Alebouyeh F, Bidgoli SA, Ziarati P, Heshmati M, Qomi M. Mutagenicity Assessment of Drinking Water in Combination with Flavored Black Tea Bags: a Cross Sectional Study in Tehran. *Asian Pac J Cancer Prev*. 2015;16(17):7479-84.
21. Salarabadi A, Bidgoli SA, Madani SH. Roles of Kermanshahi Oil, Animal Fat, Dietary and Non- Dietary Vitamin D and other Nutrients in Increased Risk of Premenopausal Breast Cancer: A Case Control Study in Kermanshah, Iran. *Asian Pac J Cancer Prev*. 2015;16(17):7473-8.
22. Maral Mazloomi, Sepideh Arbabi Bidgoli . Increased risk of childhood Acute Lymphoblastic Leukemia (ALL) by prenatal and postnatal exposures to high voltage power lines : A case control study in Isfahan-Iran. *Asian Pacific journal of cancer prevention: APJCP* 2015 ;16 (6), 2347.
23. Parvaneh Naserzadeh, Mir-Jamal Hosseini, Sepideh Arbabi, Jalal Pourahmad ,A comparison of toxicity mechanisms of cigarette smoke on isolated mitochondria obtained from rat liver and skin. *Iranian Journal of Pharmaceutical Research*,2015,14(1),271-277.
24. Masomeh Heshmati, Sepideh Arbabi Bidgoli, Samideh Khoei, Seyed Mahdi Rezayat, and Kazem Parivar. Mutagenic Effects of Nanosilver Consumer Products: A new Approach to Physicochemical Properties, *Iranian journal of pharmaceutical research (IJPR)*, 2015, 14(4),1171-1180.
25. Asadollah Salarabadi ,Sepideh Arbabi Bidgoli, Sayed Hamid Madani . Role of Kermanshahi Animal Fat , Dietary and Non-Dietary Vitamin D and other Nutrients on Increased Risk of Premenopausal Breast Cancer: A case control study in Kermanshah-Iran. *Asian Pac J Cancer Prev*,2015- 16 (in press).
26. Masoomeh Heshmati, Sepideh Arbabi Bidgoli, Samideh Khoei, Seyed Mahdi Rezayat, Kazem Parivar . Cytotoxicity effect and morphological change of silver nanoparticles on CHO-K1. *Kermanshah Univ Med Sci*. 2015; 19(in press)
27. Hamid Azarshab ,Sepideh Arbabi Bidgoli, Role of vitamin D deficiency and lack of sun exposure on the incidence of premenopausal breast cancer: A case control study in Sabzevar-Iran, *Asian Pac J Cancer Prev* 2014,15,1-8.
28. P Ziarati, T Zendejdel, SA Bidgoli. Nitrate Content in Drinking Water in Gilan and Mazandaran Provinces. *Iran. J Environ Anal Toxicol* 2014, 4 (219), 2161-0525.1000219.

29. Sepideh Arbabi Bidgoli, Nasim Jabari, Mansour Djamali Zavarhei, Prostate-specific antigen levels in relation to background factors: A new approach to endocrine disrupting chemicals (EDCs) and AhR expression. *Asian Pac J Cancer Prev.* 2014;15(15):6121-5.
30. Parisa Ziarati, Sepideh Arbabi Bidgoli, INVESTIGATION OF COOKING METHOD ON NITRATE AND NITRITE CONTENTS IN CROPS AND VEGETABLES AND ASSESS THE ASSOCIATED HEALTH RISK, *International Journal of Plant, Animal and Environmental Sciences* , 2014;4,2,46-52.
31. Alizadeh F, Bolhassani A, Khavari A, Bathaie SZ, Najji T, Bidgoli SA. Retinoids and their biological effects against cancer. *Int Immunopharmacol.* 2014 Jan;18(1):43-9.
32. Sepideh Arbabi Bidgoli, Role of xenoestrogens on the occurrence of premenopausal breast cancer in Iran. *Toxicology Letters* 06/2012; 211. .
33. Mitra Korani, Seyed Mahdi Rezayat, Sepideh Arbabi Bidgoli, Sub-chronic Dermal Toxicity of Silver Nanoparticles in Guinea Pig: Special Emphasis to Heart, Bone and Kidney Toxicities. *Iranian journal of pharmaceutical research (IJPR)* 01/2013; 12(3):511-9.
34. Forough Seifi-Nigje Gheshlagh, Parisa Ziarati, Sepideh Arbabi Bidgoli. Seasonal Fluctuation of Heavy Metal and Nitrate Pollution in ground water of Farmlands in Talesh, Gilan, Iran. *International Journal of Farming and Allied Sciences* 01/2013; 2(20):836-841.
35. Sepideh Arbabi Bidgoli, Moujan Mahdavi, Seyed Mahdi Rezayat, Mitra Korani, Amir Amani, Parisa Ziarati. Toxicity Assessment of Nanosilver Wound Dressing in Wistar Rat. *Acta Medica Iranica* 2013 , Vol. 51, No. 4 ,203-208.
36. Parisa Ziarati, Sajad Arbabi, Sepideh Arbabi Bidgoli , Mahnaz Qomi. Determination of lead and Cadmium Contents in (*orgza sativa*) rice samples of agricultural areas in Gilan- Iran. *Intl J Farm & Alli Sci.* 2013 ,Vol., 2 (11): 268-271.
37. Salimi M, Esfahani M, Habibzadeh N, Aslani HR, Amanzadeh A, Esfandiary M, Sedaghati B, Bidgoli SA, Ghahremani MH. Change in nicotine-induced VEGF, PGE2 AND COX-2 expression following COX inhibition in human oral squamous cancer. *J Environ Pathol Toxicol Oncol.* 2012;31(4):349-56.
38. Bidgoli SA, Khorasani H, Keihan H, Sadeghipour A, Mehdizadeh A. Role of endocrine disrupting chemicals in the occurrence of benign uterine leiomyomata: special emphasis on AhR tissue levels. *Asian Pac J Cancer Prev.* 2012;13(11):5445-50.
39. Sepideh Arbabi Bidgoli , Masomeh Heshmati, Heydeh Keyhan and Atefeh Afshary. Genotoxicity assessment of recombinant human interferon gamma in human lymphocytes. *JAASP* 2012;1(2)107-115. 107.
40. Parisa Ziarati, Saba Moghimi, Sepideh Arbabi-Bidgoli, and Mahnaz Qomi. Risk Assessment of Heavy Metal Contents (Lead and Cadmium) in Lipsticks in Iran. *IJCEA* 2012 Vol.3(6): 450-452
41. Ziarati P, Bidgoli SA (2012) Evaluation of the Nitrate Content in Leafy Vegetables of Southern Parts of Tehran: A Four Seasonal Study. 1: 165. doi:10.4172/scientificreports.165.

42. Hassanipour M, Raoufi nejad k, Arbabi Bidgoli S. Insights into the autistic disorder and potential therapeutic approaches. *Journal of Pharmaceutical and Health Sciences* 2012 ;1(3), 71-77.
43. Sepideh Arbabi Bidgoli , Mansour Djamali Zavarhei , Shirin Sajedi , Massomeh Soleimani , Parisa Ziarati , Role of Helicobacter pylori on differential expression of angiogenic markers in gastric adenocarcinoma ,*Journal of Pharmaceutical and Health Sciences(JPHS)*,2012,1,1, 53-58.
44. Sepideh Arbabi Bidgoli , Eghbal Taheri , Hoda Baher , Parisa Ziarati, Safety evaluation of oral Anethum graveolens L total hydroalcoholic extract in mice. *Journal of Pharmaceutical and Health Sciences(JPHS)*,2012,1,2, 61-67.
45. Sepideh Arbabi Bidgoli, Mitra Korani, Niloofar Bozorgi, Mansour Djamali Zavarhei, Parisa Ziarati. Saeed Akbarzadeh .Association between Glycodelin and Aryl Hydrocarbon Receptor in Iranian Breast Cancer Patients: Impact of Environmental Endocrine Disrupting Chemicals, *Asian Pac J Cancer Prev.* 2011;12(9):2431-5.
46. Sepideh Arbabi Bidgoli , Tara Eftekhari, Reza Sadeghipour.Role of Xenoestrogens and Endogenous Sources of Estrogens on the Occurrence of Premenopausal Breast Cancer in Iran, *Asian Pac J Cancer Prev.* 2011;12(9):2425-30.
47. Sepideh Arbabi Bidgoli , Mansour Djamali Zavarhei , Shirin Sajedi , Massomeh Soleimani , Parisa Ziarati , Role of Helicobacter pylori on differential expression of angiogenic markers in gastric adenocarcinoma ,*Journal of Pharmaceutical and Health Sciences(JPHS)*,2011,1,1, 53-58 .
48. Sepideh Arbabi Bidgoli , Eghbal Taheri , Hoda Baher , Parisa Ziarati, Safety evaluation of oral Anethum graveolens L total hydroalcoholic extract in mice. *Journal of Pharmaceutical and Health Sciences(JPHS)*,2012,1,2, 61-67.
49. Sepideh Arbabi Bidgoli, Tara Eftekhari, Role of exogenous and endogenous sources of estrogen on the incidence of breast fibroadenoma: A case control study in Iran , *Asian Pac J Cancer Prev.* 2011;12(5):1289-93.
50. Bidgoli SA, Korani M, Bozorgi N, Zavarhei MD, Ziarati P, Akbarzadeh S. Association between glycodelin and aryl hydrocarbon receptor in Iranian breast cancer patients: impact of environmental endocrine disrupting chemicals.*Asian Pac J Cancer Prev.* 2011;12(9):2431-5.PMID:22296396 [PubMed - indexed for MEDLINE].
51. Bidgoli SA, Eftekhari T, Sadeghipour R. Role of xenoestrogens and endogenous sources of estrogens on the occurrence of premenopausal breast cancer in Iran.*Asian Pac J Cancer Prev.* 2011;12(9):2425-30.
52. Monji F, Hossein Tehrani H, Halvaei Z, Arbabi Bidgoli S. Acute and subchronic toxicity assessment of the hydroalcoholic extract of *Stachys lavandulifolia* in mice.*Acta Med Iran.* 2011;49(12):769-75.
53. Korani M, Rezayat SM, Gilani K, Arbabi Bidgoli S, Adeli S. Acute and subchronic dermal toxicity of nanosilver in guinea pig.*Int J Nanomedicine.* 2011;6:855-62. doi: 10.2147/IJN.S17065. Epub 2011 Apr 27.PMID:21720498 [PubMed - indexed for MEDLINE].
54. Adeli S, Zarrindast MR, Niknahad H, Sarkar S, Bidgoli SA, Korani M, Ghasemzadeh P, Rezayat SM. Protective effects of a magnesium magnetic isotope (Mg25)-exchanging nanoparticle (25MgPMC16 ) on mitochondrial functional disorders in esmolol-induced cardiac arrest in rats.*Auton Autacoid Pharmacol.* 2012 Apr;32(1 Pt 2):1-7.

55. Bidgoli SA, Karimi M, Asami Z, Baher H, Djamali Zavarhei M. Association between testicular Aryl hydrocarbon Receptor levels and idiopathic male infertility: a case-control study in Iran. *Sci Total Environ*. 2011 Aug 15;409(18):3267-73.
56. Bidgoli SA, Ahmadi R, Zavarhei .Role of hormonal and environmental factors on early incidence of breast cancer in Iran. *Sci Total Environ*. 2010 Sep 1;408(19):4056-61. doi: 10.1016/j.scitotenv.2010.05.018.
57. Sepideh Arbabi Bidgoli, Nasser Ebrahimi Daryani, Maryam Motamedi, Atosa Miri, Parisa Poor Samimi. Evaluation of Possible Risk Factors of Lamivudine Resistance in Chronic Hepatitis B Patients: A Retrospective Study in Iran. *Hepatitis Monthly* ; 2009; 9(3), 171-179.
58. Bidgoli SA, Azizi E, Zavarhei MD. Association between p53 expression and Bcl-2, P-glycoprotein, topoisomerase II alpha, thymidylate synthase and thymidine phosphorylase as potential therapeutic targets in colorectal cancer patients. *Pak J Biol Sci*. 2007 Oct 1;10(19):3350-5.
59. Sepideh Arbabi Bidgoli, Mansoor Djamali Zavarhei, Shirin Sajadi, Masoomeh Soleimani, Role of Helicobacter Pylori in Gastric Carcinoma: Special Emphasis on Gender, Androgen Receptor and Angiogenic Markers. *Perspectives in Cytology and Genetics* 2007;13,87-94.
60. Zavarhei MD, Bidgoli SA, Ziyarani MM, Shariatpanahi M, Ardalan FA. Progesterone receptor positive colorectal tumors have lower Thymidine Phosphorylase expression: An immunohistochemical study. *Pak J Biol Sci*. 2007, 10(24),4485-4489.
61. Sepideh Arbabi Bidgoli, Mansour Djamali Zavarhei, Mohamadali Mohagheghi, Bahar Yazdanmehr, Isa Jahanzad, Nasser Ebrahimi Daryani, Farid Azmoodeh Ardalan. Differential expression of uPA in chronic hepatitis B and C, liver cirrhosis and hepatocellular carcinoma: Comparison with normal liver tissues and liver metastatic tumors. *International Journal of Cancer Research*, 2007 ,3(1),25-37.
62. Sepideh Arbabi Bidgoli, Bagher Minaee, Mansoor Djamali Zavarei , Shamileh Fouladdel and Ebrahim Azizi. P-glycoprotein and Topoisomerase II alpha Expression in Advance Gastric Cancer Patients: Association with Clinicopathological Findings. *International Journal of Pharmacology*, 2006;2(4),388-393.
63. Sepideh Arbabi Bidgoli, Bagher Minaee, Mohammad H. Ghahremani, Mansoor Djamali Zavarei, Seyed Nasser Ostad and Ebrahim Azizi . Expression of Thymidylate Synthase (TS) and Thymidine Phosphorylase (TP) as prognostic markers in advanced esophageal squamous cell carcinoma. *International Journal of Pharmacology* ,2005, 1(2): 104-111.
64. Sepideh Arbabi Bidgoli , Bagher Minaee , Mohammad H. Ghahremani , Mansoor Djamali Zavarei , Shamileh Fouladdel and Ebrahim Azizi . Correlation between Thymidine Phosphorylase (TP) expression and Sex of Patients in Colorectal Carcinoma . *International Journal of Cancer Research* 2005 , 1 (1) 47-52.
65. Sepideh Arbabi Bidgoli , Bagher Minaee , Mohammad H. Ghahremani , Seyed Nasser Ostad , Mansoor Djamali Zavarei and Ebrahim Azizi . Immunohistochemical expression of p53 and Bcl-2 proteins in advanced esophageal cancer patients. *ACTA Medica Iranica* ,2005 , 43 (5): 313-322.
66. Shamileh Fouladdel, Zahra Motahari, Sepideh Arbabi and Ebrahim Azizi. Differential Expression of TS and TP in Tamoxifen Resistant Subline of Human



- Breast Cancer T47D Cells. *International Journal of Cancer Research*, 2005 1(2): 113-117.
67. Sepideh Arbabi Bidgoli, Mansoor Djamali Zavarehi , Armita Pakzad<sup>1</sup>, Soheil Alibabae, Fatemeh Khodayariyan, Bagher Minaee. P53, Bcl-2, TS, TP, P-gp and Topo II alpha Expression in hepatocellular carcinoma Patients: Association with Clinicopathological Findings. *European Journal of Cancer (EJC)* 2006 1; 4(1) ,43-45.
  68. SA Bidgoli, MD Zavarhei, A Pakzad, S Alibabae, F Khodayariyan, B Minaee,P53, Bcl-2, TS, TP, P-gp and Topo II alpha expression in hepatocellular carcinoma patients: association with clinicopathological findings, *European Journal of Cancer Supplements*,2006, 4 (1), 43.
  69. SA Bidgoli, D Zavarhei, Comparative studies of Bcl-2 expression and its relation to P53, P-glycoprotein, Topo IIa, thymidylate synthase, thymidine phosphorylase and GST pi as anticancer therapy targets in GI cancers. *ANNALS OF ONCOLOGY* 2006, 17, 45-46.
  70. Bidgoli, Sepideh Arbabi, Mona Karimi, Zahra Asami, Mansour Djamali Zavarhei, and Hoda Baher. "POSSIBLE ROLE OF DIOXIN AND PAH IN MALE INFERTILITY: A CASE CONTROL IMMUNOHISTOCHEMICAL STUDY ON AHR, MMP9 AND SEX STEROID RECEPTORS." In *IUBMB LIFE*, vol. 61, no. 3, pp. 311-311. COMMERCE PLACE, 350 MAIN ST, MALDEN 02148, MA USA: WILEY-BLACKWELL, 2009.
  71. *Sepideh Arbabi Bidgoli*, Maryam Motamedi, Atoosa Miri, Nasser Ebrahimi Daryani, Parisa Poor Samimi, Clinical significance of GST pi, p-glycoprotein and HBx in Lamivudine resistant chronic hepatitis B: A multi center, case control study, *PHARMACOEPIDEMIOLOGY AND DRUG SAFETY*,2008,17,S67,Published by WILEY-BLACKWELL.

## 10 Under review papers in international journals

### Conference Papers mostly as invited lecturer (51):

#### 2018:

1-Sepideh Arbabi Bidgoli.Carcinogenic food and women's Health.Conference: Cancer and Nutrition ,At: Tehran- Iran ( Tehran Medical Sciences, Islamic Azad University),December 2018, **sponsor and Invited Lecturer** .

2-Sepideh Arbabi Bidgoli .Novel bio-hazard threats and women's health . The Seventh International Conference on Women's Health (Environmental Hazards and Women's Health) Nov 21-22, 2018 Jihad-e Daneshgahi Conference Halls. **Invited Lecturer**

3- Sepideh Arbabi Bidgoli. FOREST, NUTRITION AND BREAST CANCER CHEMOPREVENTIVE STRATEGIES. Conference: Forest: The Health Potentials. At: Krems , Austria. November 2018. **Invited Lecturer**

4-Sepideh Arbabi Bidgoli.  
Preventive Activities of Korean Red Ginseng against Endocrine Disrupting Chemicals Toxicity: A New Approach for Women's Health . The 12th International Symposium of Ginseng 2018.At: Seoul ,South Korea,October 2018,**Invited Lecturer**

5-Sepideh Arbabi Bidgoli. Health risks of Endocrine-Disrupting Chemicals (EDCs) in Iran: A 10 years study in both genders , Asiatox 2018,Thailand ,**Invited lecturer.**

6-Sepideh Arbabi Bidgoli. Role of Endocrine Disrupting Chemicals (EDCs) on increased risk of reproductive tumors : A 10 years cross sectional study in both genders in Iran . All India Congress of Cytology and Genetics 2018, Kolkata, India, **Invited lecturer.**

#### **2016:**

1- Sepideh Arbabi Bidgoli. Role of Endocrine Disrupting Chemicals (EDCs) on increased risk of female reproductive disorders : A 10 years cross sectional study in Iran. International Conference on Environmental Mutagenesis, carcinogenesis & Health and 40th Annual Meeting of Environmental Mutagen Society of India (EMSI), At Guru Nanak Dev University, Amritsar, India, **Invited lecturer.** (2016).

#### **2015:**

Mohammad Moradi 1-Sepideh Arbabi Bidgoli ·Faraz Mojab, Genotoxicity assessment in hobble bubble users, 19th Iranian Pharmacy Students Seminar, At Shiraz,oct 2015.

2-Mohammad Moradi, Sepideh Arbabi Bidgoli ,Faraz Mojab.Acute and subchronic oral toxicity of Terpene extract of *Acroptilon repens* L in Mice, 14th Iranian Pharmaceutical Sciences Congress (IPSC2015).

3-Sepideh Arbabi Bidgoli.Clinical utility of cytokeratin 19 as a tumor marker in breast cancer. The third national seminar on the role of medical basic sciences in health promotion, At Tehran,feb 2015.

4- Mano Olumi,Sepideh Arbabi Bidgoli 2015.Clinical utility of cytokeratin 19 as a tumor marker in breast cancer, The third national seminar on the role of medical basic sciences in health promotion, At Tehran.

#### **2014**

1-Masoomeh Heshmati,Sepideh Arbabi Bidgoli, Genotoxicity assessment of nanosilver and its association with physicochemical characteristics, 4<sup>th</sup> ACEM,India,Kolkta, Dec 2014.

2-Keyhan H1, Sadeghipour A, Arbabi Bidgoli S1Evaluation of the Possible Role of Polycyclic Aromatic Hydrocarbons as Endocrine Disruptors in the Incidences of Endometriosis : Implication for AhR and Sex Steroid Receptors,4<sup>th</sup> ACEM,India,Kolkta, Dec 2014.

#### **2013**

1-Sepideh Arbabi Bidgoli, Seyed Mahdi Rezayat, Role of biomarkers in regulation and standardization of nanomaterials: Effectiveness and challenges.11/2013; In proceeding of: 11th International Conference of Environmental Mutagens- 11th ICEM, At Brazil,Foz do Iguassu,**Chair and Invited Speaker**

2- Sepideh Arbabi, Seyed Mahdi Rezayat, Saeed Sarkar, Leila Pezeshk , Safety Challenges of Nanohealth Products in Iran: Regulatory Issues and Effectiveness, 07/2013; In proceeding of: ICT 2013, At COEX, SEOUL, KOREA ,**Chair and invited Speaker .**

3- Sepideh Arbabi, AhR Levels in Male and Female Environmental Induced Reproductive Tumors: Association with Hormonal and Nutritional Factors,07/2013; In proceeding of: THE XIII International Congress of Toxicology, At COEX, SEOUL, KOREA, **Chair and invited Speaker .**

2012

1-Sepideh Arbabi Bidgoli,Environmental Induced Reproductive Tumors in Iran: Impact of Endocrine Disrupting Chemicals, 3<sup>rd</sup> ACEM ,China, Oct 2012, **Chair and invited Speaker .**

2-Sepideh Arbabi Bidgoli, Endocrine Disrupters in Wastewater: Impacts on human health and reproductive disorders, Sharif University , October 2012 ,**Invited Speaker**

3-Sepideh Arbabi Bidgoli, Nanotechnology in Iran : Regulatory challenges and effectiveness , Nanosafety Congress Turkey ,April 2012, **invited speaker. .**

4-Sepideh Arbabi Bidgoli , Role of Endocrine Disrupting Chemicals on the Incidence of Female Reproductive Disorders in Iran. Sixth International Conference on Environmental Mutagens in Human Populations (ICEMHP), **invited speaker.**

5-Sepideh Arbabi Bidgoli, Role of endocrine disruptor chemicals on the tissue levels of AhR and sex steroid receptors in premenopausal breast cancer patients: comparison with benign female tumours, endocrine Disruptors 2012 , Feb 2012 Munich ,Germany ,Conference Proceeding ,paper 12,**invited speaker.**

2010

1-Sepideh Arbabi Bidgoli, Role of environmental endocrine disruptors on expression levels of AhR and sex steroid receptors in breast cancer and reproductive disorders: A case control study in Tehran-Iran, 2<sup>nd</sup> ACEM, Thailand , December 2010,**invited speaker.**

2-Sepideh Arbabi Bidgoli, Role of environmental and hormonal factors on early incidence of breast cancer in Iran, 2010 Westlake conference on translational medicine, China June 2010, **invited speaker .**

2009

1-Sepideh Arbabi Bidgoli Evaluation of Possible Risk Factors of Lamivudine Resistance in Chronic Hepatitis B Patients: A Retrospective Study in Iran. AICCG 14,Dec 2009,Kolkata,India ,**Invited speaker.**

2-Sepideh Arbabi Bidgoli Comparison of dietary, hormonal and genetical risk factors of breast cancer in pre and post menopausal Iranian women. Fogarty Interantional Workshop,Dec 2009 Kolkata, India,**Invited speaker.**

3-Sepideh Arbabi Bidgoli .Role of hormonal and environmental factors on early incidence of breast cancer in Iran , 15<sup>th</sup> Alexander Hollaender Course, Sep 2009, Kazakhstan,**Invited speaker** .

4-S Arbabi , M Karimi , Z Asami , M Djamali Zavarhei . Possible role of environmental mutagens on unexplained male infertility in Iran : A case control study on AhR,angiogenic markers ,sex steroid receptors. ICEM 2009, August 20-25, Firenze – Italy.

2008

1-Sepideh Arbabi Bidgoli. Environmental Carcinogens as possible risk factors of early onset of breast cancer in Iran. 14 Alexander Hollaender Course on Genetic Toxicology: Genomic and proteomics approaches. Kolkata, India. 10-12 December 2008,**Poster Award.**

2-Sepideh Arbabi Bidgoli, Mansour Djamali Zarahei, , Samin Hamidi Azar . Differential expression of Aryl Hydrocarbon Receptor in benign and malignant breast tumors as biomarker of organochlorine chemicals exposure, XXXIII EMSI ,Annual Meeting of Indian Society of Environmentl Mutagens,Aligarh Muslim University,1-4 January 2008,**Invited speaker.**

2007

1-Sepideh Arbabi Bidgoli, Mansour Djamali Zarahei, Shirin Sajadi, Masoomeh Soleimani . Role of Helicobacter Pylori in Gastric Carcinoma: Special Emphasis on Gender, Androgen Receptor and Angiogenic Markers. XIII All India Congress of Cytology and Genetics & International Symposium on Genomic and Proteomic Approaches to Decipher the Molecular Basis of Pathogenesis,28-30 December 2007,Hyderabad,India,**Invited speaker and Chair.**

2- **S.Arbabi Bidgoli**,E Azizi, M Djamali Zavahei .A study on the expression alterations of p53 and common drug resistance proteins in esophageal squamous cell carcinoma(ESCC) and their association with the nutrition and life style risk factors: Comparison with esophageal and gastric adenocarcinoma.5th International Conference on Environmental Mutagens in Human Populations, Antalya April 2007,**Fellowship Award.**

**3-S.Arbabi Bidgoli**, M Djamali Zavahei Immunohistochemistry showed Progesterone Receptor positive tumors have a lower incidence of Thymidine Phosphorylase expression in Colorectal Cancer patients.4<sup>th</sup> international congress of tumor microenvironment: Progression, therapy and prevention. Florence March 2007

2006

1-**S .Arbabi Bidgoli**, M Djamali Zavahei, M Mohagheghi. Differential expression of uPA and sex steroid receptors in chronic hepatitis B and C, liver cirrhosis and hepatocellular carcinoma: Comparison with normal liver tissues and liver metastatic

tumors. The second International Congress of Cancer Genetics/iccg 2006 Tehran  
**,Invited speaker.**

2-S.Arbabi Bidgoli, M Djamali Zavarhei, M Mohamadi, M Shariatpanahi, F Azmoodeh Ardalan. Clinicopathological significance of TP and PgR in colorectal cancer patients. 8<sup>th</sup> congress of Iranian Society of Pathology and 2<sup>nd</sup> congress of Iranian Cancer Association. Tehran 2006.

3-M. Sharifzadeh, A. Kiani, H. Ghalbirband, K. Ali-Moghadam, S. Arbabi, Sh. Fouladdel, E. Azizi. Determination of expression profile of TS and TP proteins in gastric and colorectal tumors and its correlation with pharmacovigilance parameters of 5-FU therapy. 12th International Congress on Hormonal Steroids and Hormones & Cancer .Athens 2006

4-Sepideh Arbabi Bidgoli, Mansoor Djamali Zavarehi , Armita Pakzad<sup>1</sup>, Soheil Alibabae, Fatemeh Khodayariyan, Bagher Minaee P53, Bcl-2, TS, TP, P-gp and Topo II alpha Expression in hepatocellular carcinoma Patients: Association with Clinicopathological Findings. Cancer prevention 2006. St. Gallen, **Fellowship Award**

5-S.Arbabi Bidgoli, M Djamali Zavarhei. Clinicopathological significance of Bcl-2 in Colorectal carcinoma. International Symposium on Targeted Anticancer Therapies (TAT2006). Amsterdam, **Fellowship Award.**

2005

1-S.Arbabi Bidgoli, E. Azizi, B. Minaee, M. Djamali Zavarhei Evaluation of clinicopathological significance of p53 expression in relation to Bcl2 , P-gp, Topo II alpha , TS and TP in colorectal cancer patients , Eurotox 2005, Krakow, Poland .

2-S.Arbabi Bidgoli, E Azizi, F Khodayariyan,, M. Shiri, B. Mince. Expression, Comparative studies of P-gp and Topo II expression as multidrug resistance proteins in GI and hepatocellular carcinoma , Eurotox 2005 Krakow, Poland .

3-E Azizi, S Fouladdel, Z Motahari, S Arbabi. Differential expression of Cyclin D1 in Tamoxifen resistant subline of human breast cancer T47D, International symposium on toxicity assessment. Skiathos Island 2005.

4-S.Arbabi Bidgoli, Minaee B, Djamali Zavarhei, E Azizi Evaluation of p53, Bcl-2, P-glycoprotein, Topo II alpha, TS and TP Expression as Prognostic Markers in Advanced Gastric Carcinoma Using Immunohistochemistry. The 3<sup>rd</sup> regional conference of Asian Pacific Organization for Cancer Prevention (APOCP) GI Cancer Control, Rasht 2005

5-E Azizi, S Fouladdel, Z Motahari, S Arbabi. Cox I and Cox II protein expression in human breast cancer T47D cells and its derived tamoxifen resistant subline. The 3<sup>rd</sup> regional conference of Asian Pacific Organization for Cancer Prevention (APOCP) GI Cancer Control, Rasht 2005

6-Sepideh Arbabi, Bagher Minaee, Mohammad H. Ghahremani, Mansoor Djamali Zavarehi, Armaghan Emami, Shamilleh Fouladdel, Zahra Motahari and E. Azizi, P-gp and Topo II alpha expression in gastric cancer : Association with

clinicopathological findings ,19<sup>th</sup> European workshop on drug metabolism, Antalya, 2005

2004

1-Sepideh Arbabi Bidgoli, Bagher Minaee, Mansoor Djamali Zavarei, Ebrahim Azizi. Correlation between expression of Thymidine Phosphorylase and sex of patients in colorectal carcinoma . Tumor Marker and Oncology 5<sup>th</sup> CECHTUMA 2004 Prague .

2-Sepideh Arbabi Bidgoli, , Bagher Minaee, Mansoor Djamali Zavarei, Ebrahim Azizi. Expression of TS & TP as prognostic markers in advanced ESCC. Tumor Marker and Oncology 5<sup>th</sup> CECHTUMA 2004 ,Prague.

3-Sepideh Arbabi Bidgoli, ,Shiri,Minaee, Ghahremani,Mansoor Djamali Zavarei, Ostad ,Ebrahim Azizi,Immunohistochemical analysis of Thymidylate Synthase (TS) and Thymidine Phosphorylase (TP) in esophageal cancer patients.3<sup>rd</sup> international Controversies in tumor prevention and genetics St. Gallen 2004,**Fellowship Award**.

4-S.Arbabi, E.Azizi,B. Minaee,M.H.Ghahremani,S.N.Ostad,M Jamali. Immunohistochemical analysis of p53 and Bcl2 in gastric cancer patients.Controversies in tumor prevention and genetics.St. Gallen 2004,**Fellowship Award**.

5-Arbabi S, E.Azizi,B. Minaee,M.H.Ghahremani,S.N.Ostad,M Jamali,Immunohistochemical Analysis of p53 And Bcl2 in Esophageal Cancer Patients.7<sup>th</sup> international symposium on predictive oncology &intervention strategies, Cancer detection and prevention Nice 2004,**Poster Award**..

6-S Arbabi, E Fathi, B Minaee, E Azizi.Expression of TS & TP as prognostic markers in advanced ESCC .4th Iranian International Congress of Gastroenterology and Hepatology and 2nd International Congress of From Bed to Bench in Gastroenterology and Liver Disease. Tehran 2004

7- E Azizi, S Arbabi, B Minaee, MH Ghahremani, SN Ostad, M Jamali, Evaluation of thymidylate synthase (TS) and thymidine phosphorylase (TP) expressions in Iranian esophageal cancer patients,European Journal of Cancer Supplements,2004, 2 (1), 49.

2003

1-Sepideh Arbabi Bidgoli, E Fathi,B Minaee,E Azizi Azizi. Immunohistochemical analysis of p53 and Bcl2 in esophageal cancer patients.16th international congress of geographic medicine: Advance in basic and clinical oncology. Shiraz 2003

2-S. Arbabi Bidgoli,T Mehdizadeh,B Minaee,E Azizi. Immunohistochemical analysis of p53 and Bcl2 in gastric cancer patients.16th international congress of geographic medicine: Advance in basic and clinical oncology. Shiraz 2003

3-S. Arbabi Bidgoli, K Kabiri,B Minaee, E Azizi. Immunohistochemical analysis of TS and TP in esophageal cancer patients.The first international congress of cancer genetics. Tehran 2003.

## 1- Books and Medical Guidelines

- 1- **S.Arbabi-Bidgoli** 1995, Pregnancy calendar, sponsored by ministry of health, Iran
- 2- **S.Arbabi-Bidgoli** 1997, Antibiotics circular guide, sponsored by pharmaceutical companies (Daroupaphsh, Lorestan and Razak).
- 3- **S.Arbabi-Bidgoli**, 2002, Circular guide for cardiovascular drugs, sponsored by pharmaceutical companies (Daroupaphsh, Lorestan and Razak, Zahravi).
- 4- **S.Arbabi-Bidgoli**, 2003, Antibiotic Circular Guide, second edition, sponsored by Exir pharmaceutical company.
- 5- **S.Arbabi-Bidgoli**, 2004, Antibiotic Circular Guide, third edition, sponsored by Exir pharmaceutical company.
- 6- **S.Arbabi-Bidgoli**, 2005, Gastrointestinal Drugs Circular Guide, sponsored by Exir Pharmaceutical Company.
- 7- **S.Arbabi-Bidgoli**, 2006, Antibiotic Circular Guide, Fourth edition, sponsored by Exir pharmaceutical company.
- 8- DarouPakhsh Scientific Vadmecum (2001).
- 9- Lippincott's Toxicology in translation.
- 10-two more books in preparation

#### **Peer-Review Service:**

- Iranian Journal of Pharmaceutical Research(IJPR)
- Journal of Medicinal Plants
- Toxicology letters (Elsevier Sciences).
- Carcinogenesis Journal (Oxford Press).
- FEBS Letters (Elsevier Sciences).
- Yakhteh Medical Journal.
- Pakistan Journal of Biological Sciences.
- Journal of Pharmacology and Toxicology
- Research Journal of Environmental Toxicology
- International Journal of cancer research

#### **Supervision of Dissertations:**

Main Advisor: 120

Under supervision: 15

Consultant: 80

**Patents** : 3

**National Standards:** 10

#### **Memberships in Professional Societies**

- Pharmaceutical Sciences Research Center (PSRC), Tehran University of Medical Sciences (TUMS)
- Iranian Society of Toxicology(IST)
- Iranian association of Pharmaceutical Scientists
- Iranian Society of Medical Nanotechnology
- Member of Eastern Mediterranean Association of Medical Editors (EMAME)
- Member of International Cancer Microenvironment Society (ICMS)
- Member of European Association of Cancer Research (EACR)
- Member of European Society of Human Genetics

#### **Conference Organization:**

- 1- Secretary in General, 2<sup>nd</sup> Loghman Festival, The National Festival of Medical Sciences 2015 Tehran, Iran
- 2- Secretary in General, First National Festival of Nanotechnology in Islamic Azad University 2014 Tehran, Iran
- 3- National Advisory Board, Iran NanoSafety Conference 2014, Tehran, Iran
- 4- Secretary in General, Professional Symposium on Nanosafety in Human & Environment 2013, Tehran, Iran
- 5- International Advisory Board of 4<sup>th</sup> ACEM, 2014, India, Kolkata
- 6- International Advisory Board of 2<sup>nd</sup> ACEM, 2010 Thailand, Pataya
- 7- International Advisory Board of 3<sup>rd</sup> ACEM, 2012 China, Hangzhou
- 8- International Advisory Board of the 15<sup>th</sup> Alexander Hollaender Course, Astana Kazakhstan 2009.
- 9- International Advisory Board of the 14<sup>th</sup> Alexander Hollaender Course, India 2008, Kolkata
- 10- Secretary in general, First Symposium on Toxicogenomics 2009, Tehran-Iran
- 11- Secretary in general, Symposium of Rational Use of Drugs 2009, Tehran-Iran

## Laboratory Experience

- Toxicity assessments according to OECD guidelines
- Different methods of Immunohistochemistry and scoring systems
- DNA, RNA & Protein extraction and Purification, PCR & RTPCR
- Cell Culture of primary cells and cell lines
- MTT & XTT assay
- Comet assay
- Micronucleus assay
- Ames Mutagenicity assay
- Regulatory toxicity tests in animal models (Nanomaterials, Biotech drugs, foods, cosmetics, herbals etc.)
- Behavioral pharmacological tests

## Certification and Licensure

- 1-Fogarty workshop on molecular epidemiology, 2009, Indian Institute of chemical Biology
- 2-Quality control management, 2010, Young Researchers Club
- 3-Business management, 2009, IAUPS
- 4-License holder of Tim Albert training from regional office of WHO ([http://www.timalbert.co.uk/licence\\_holders.html](http://www.timalbert.co.uk/licence_holders.html)) for running the course on Writing a journal article and getting it published.
- 5-The Third Regional Conference/Workshop on Medical Journalism in the Eastern Mediterranean organized by EMAME, Shiraz, Iran, January 27–29, 2006
- 6-Comet assay Workshop, Molecular Research Lab., Faculty of Pharmacy, TUMS 2005.
- 7-Molecular Diagnosis of Cancer Workshop, Molecular Research Lab., Faculty of Pharmacy, TUMS, 2004.
- 8-Scientific Writing Workshop, Pharmaceutical Sciences Research Center, TUMS 2004.
- 9-Artificial Neural Network Workshop, Pharmaceutical Sciences Research Center, TUMS 2004



10-Drug Metabolizing Workshop, Antalya 2004  
11-IHC Workshop, Dako Cytomation, 2003  
12-ISO 9002 (TUV, 2000).

**Language:** English, German (Basic)

**Secondary skills:** Playing piano in advanced levels, Music therapy , Theater