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## EDUCATION

- 1995-2000 **University of The Sciences in Philadelphia (USP), PA, USA**
- Ph.D. degree in Medicinal Chemistry
  - GPA: 4.00
  - Research Advisor: Professor Joel M. Kauffman
  - Dissertation: Synthesis and Evaluation of new fluorinated potential Antimicrobial drugs
- 1982-1988 **Tehran University of Medical Sciences, Tehran, Iran**
- Pharmacy Doctorate
  - GPA: 3.85

## WORK EXPERIENCES

- 2007-present **Associate professor**, Department of Medicinal Chemistry, Shaheed Beheshti School of Pharmacy, Tehran, Iran
- 2001-2007 **Assistant professor**, Department of Medicinal Chemistry, Shaheed Beheshti School of Pharmacy, Tehran, Iran
- 2004-present **Technical Director of Iran Doping Control Laboratory**, Tehran, Iran
- 2001-present **Member of editorial board of Iran Pharmacopoeia**
- 2002-present **Member of editorial board of Iranian Journal of Pharmaceutical Research (IJPR)**
- 2000-2001 **Assistant professor**, University of The Sciences in Philadelphia (USP), Philadelphia, PA, USA
- 2000-2001 **Adjunct Faculty member in Philadelphia Community College (PCC)** Philadelphia, PA, USA
- 1995-2000 Teaching assistant, University of The Sciences in Philadelphia (USP), Philadelphia, PA, USA

- 1991-1995 **Instructor**, Shaheed Beheshti School of Pharmacy, Tehran, Iran
- 1989-1991 **Member of Editorial Board for the book "Generic Drugs of Iran"**  
Darou-Pakhsh Pharmaceutical Co., Tehran, Iran

## **SPECIAL COURSES & TRAINING**

Current Screening Methods in Doping Analysis  
Gas Chromatography-Mass Spectrometry  
Liquid Chromatography-Mass Spectrometry  
Solid Phase Extraction Methods  
Computational Chemistry  
Combinatorial Chemistry  
Modern NMR Specroscopy

## **AWARDS**

**Abraham Glasser predoctoral research fellowship**, University of The Sciences in Philadelphia (USP), Philadelphia, PA, 1999  
**Student Recognition Award**, American Association of Iranian Pharmaceutical Scientists (ASIPS), San Francisco, CA, 1998  
**Graduate Studies Scholarship**, Shaheed Beheshti University of Medical Sciences, Tehran, Iran, 1995

## **LANGUAGE SKILLS**

**English Language**, writing properly and speaking fluently  
**Farsi**, native language

## **PROFESSIONAL AFFILIATIONS**

American Chemical Society (ACS)  
American Association of Pharmaceutical Scientists (AAPS)  
Iranian Association of Pharmaceutical Scientists (IAPS)

## **PATENTS**

**Halogenated Antituberculosis Agents**, Farzad Kobarfard, Joel M. Kauffman, United State Patent 6,482,982, Nov. 19, 2002  
**Halogenated Antituberculosis Agents**, Farzad Kobarfard, Joel M. Kauffman, United State Patent 6,624,153, Sep. 23, 2003

## **PUBLICATIONS**

### **Books:**

- 1. Principles and Applications of LC-Mass (Farsi)**
- 2. Psychotropic Compounds (Farsi)**
- 3. Prohibited Substances in Sport (Farsi)**

4. **Iran National Formulary (member of Editorial board)**
5. **Iranian Pharmacopoeia (Member of Editorial Board)**

#### **Papers:**

- **Antiglycation activity of *Otostegia persica* (Burm.) Boiss**  
S. A. Ayatollahi, **F. Kobarfard**, J. Asgarpanah, M. I. Choudhari  
*African Journal of Biotechnology*, 2010, 9 (24), 3645
  
- **Heavy metal contamination of table sult consumed in Iran**  
A. M. Cheraghali, **F. Kobarfard**, N. Faeizy, *Iranian Journal of Pharmaceutical research*, 2010, 9 (2), 129
  
- **Two new lathyrane type diterpenoids from *Euphorbia aellenii***  
A. M. Ayatollahi, M. Ghanadian, S. Afshrypour, M. I. Choudhari, **F. Kobarfard**, M. Rahmati *Fitoterapia*, 2010, X, XXX
  
- **Development and optimization of solid lipid nanoparticles of amikacin by central composite design**  
J. Arshosaz, S. Ghafari, M. R. Khoshayand, F. Atyabi, S. Azarmi, **F. Kobarfard**, *Journal of Liposome Research*, 2010, 20 (2), 97.
  
- **Preclinical pharmacokinetics of KBF611, a new antituberculosis agent in mice and rabbits and comparison with thiacetazone**  
F. M. Shahab, **F. Kobarfard**, S. Dadashzadeh  
*Xenobiotica*, 2009, 1, 10
  
- **Terpenes from aerial parts of *Euphorbia splendida***  
S. A. Ayatollahi, A. Shojai, **F. Kobarfard**, M. Nori, M. Fathi, M. I. Choudhari, *Jornla of Medicinal Plants Research*, 2008, 3 (9), 660
  
- **Assessment of endogenous androgen levels in meat, liver, and testis of Iranian native cross-breed male sheep and bull by GC-mass spectrometry**  
R. Ahmadkhani, **F. Kobarfard**, N. Rastkari, M. Khoshayand, M. Amini, A. Shafiee, *Food Additive and Contaminants*, 2009, 26 (4), 453.
  
- **Quantification of endogenous steroids in human urine by gc-mass spectrometry using a surrogate analyte approach.**  
R. Ahmadkhani, A. Shafiee, N. Rastkari, M. Khoshayand, **F. Kobarfard**, *Journal of Chromatography B*, 2010, 878, 845.

- **Serum copper alterations in pulmonary tuberculosis patients under treatment with ethambutol.**  
 M. A. Nazari, **F. Kobarfard**, P. Tabarsi, J. Salamzadeh, *Biological Trace Element Research*, 2009, 128, 161
- **Two Flavones from Salvia lerifolia**  
 S. A. Ayatollahi, A. Shojai, **F. Kobarfard**, M. Mohammadzadeh, M. I. Choudhari, *Iranian Journal of Pharmaceutical Research*, 2009, 8 (3), 179.
- **Simultaneous determination of a new antituberculosis agent KBF-611 and its deacetylated metabolite in mouse and rabbit plasma by HPLC: Application to preclinical pharmacokinetics**  
 F. Mostafavi Shahab, **F. Kobarfard**, S. Dadashzadeh, *Archives of Pharmaceutical Research*, 2009, 1
- **Ion release and pH of a new endodontic cement, MTA and Portland cement**  
 S. A. Gazvini, M. A. Tabrizi, **F. Kobarfard**, A. Akbarzadeh, S. Asgarim, *Iranian Journal of Endodontics*, 2009, 4 (2), 74
- **Accurate quantification of endogenous androgenic steroids in cattle's meat by gas chromatography mass spectrometry using a surrogate analyte approach**  
 R. Ahmadkhaniha, a. Shafiee, N. Rastkari, **F. Kobarfard**  
*Analytica Chimica Acta* ,xx, 2008
- **Flavonoids from Iris songarica and their antioxidant and esterogenic activity**  
 M. R. Moein, S. I. Khan, Z. Ali, S. A. M. Ayatollahi, **F. Kobarfard**, S. Nasim. M. I. Choudhary, I. A. Khan  
*Planta Medica* , 74, 1492, 2008
- **Synthesis and evaluation of invitro anti-tuberculosis activity of N-substituted glycolamides**  
 F. Daryae, **F. Kobarfard**, A. Khalaj, P. Farnia  
*European Journal of Medicinal Chemistry* ,xx, 1, 2008
- **Correlation between different lipophilicity parameters and antimycobacterial activities of 2-hydroxyacetamides**  
**F. Kobarfard**, A. Khalaj, F. Daryae, A. Z. Larijany, S. Rezaee  
*aru* ,16, 2 ,xx, 2008
- **<sup>99m</sup>Tc-HMPAO-labeled liposome: an investigation into the effect of some formulation factors on labeling efficiency and in vitro stability**

N. Mirahmadi, M. H. Babai, A. M. Vali, F. Johari Daha,  
**F. Kobarfard**, S. Dadashzadeh  
*Nuclear Medicine and Biology*, 35, 387, 2008

- **Chemical Constituents from *Otostegia persica***  
S. A. Ayatollahi, **F. Kobarfard**, J. Asgarpanah, Z. Ahmed  
*J. Chem. Soc. Pak*, 29, 1, 61, 2007
- **Lysosomal oxidative stress cytotoxicity induced by dacarbazine and its pyridine derivative in hepatocytes**  
J. Pourahmad, **F. Kobarfard**, Marzieh Amirmostofian  
*Iranian J. Pharmaceutical Sci.*, 2, 4, 123, 2006
- **An improved GC method for rapid analysis of valproic acid in human plasma without derivatization**  
R. Ahmadkhaniha, N. Rastkari, **F. Kobarfard**, H. Pakdaman,  
O. Ahmadkhaniha, A. Kebriaizadeh  
*Iranian J. Pharmaceutical Sci.*, 2, 5, 25, 2006
- **Electrochemical Study of 3,4-dihydroxybenzoic acid in the presence of 4-hydroxy-1-methyl-2(1H)-quinolone: Application to electrochemical synthesis of new benzofuran derivative.**  
A. Bayandori Moghadam, **F. Kobarfard**, S. S. H. Davarani, D. Nematollahi, M. Shamsipour, A. R. Fakhari  
*Journal of Electrochemical Chemistry*, 586, 161, 2006
- **Introducing a full Validated analytical procedure as an official compendial method for fentanyl transdermal patches**  
A. Mehdizadeh, T. Toliyat, M. R. Rouini, **F. Kobarfard**  
*Daru*, 13, 46, 2005
- **Mechanistic study of electrochemical oxidation of o-dihydroxybenzenes in the presence of 4-hydroxy-1-methyl-2(1H)-quinolone, Application to the electrochemical synthesis**  
A. Bayandori Moghaddam, **F. kobarfard**, A. R. Fakhari,  
D. Nematollahi, S. S. H. Davarani  
*Electrochimica Acta*, 51, 739, 2005
- **Effect of Cultivation conditions on growth and antifungal activity *Mycena leptcephala***  
H. Vahidi, **F. Kobarfard**, F. Namjoyan  
*African Journal of Biotechnology*, 3(11)606, 2004
- **1D and 2D-NMR assignments of Nigricin from *Iris imbricate***  
S. A. M. Ayatollahi, M. R. Moein, **F. Kobarfard**, S. Nasim,  
M. I. Choudhary  
*Iranian Journal of Pharmaceutical research*, 4, 250, 2005

- **Synthesis and antimycobacterial activity of 2-hydroxyacetamides**  
 F. Daryaei, **F. Kobarfard**, A. Khalaj, P. Farnia  
*Daru*, 13(3)94, 2005
- **Lysosomal oxidative stress cytotoxicity induced by p-phenylenediamine redox cycling in hepatocytes**  
 J. Pourahmad, **F. Kobarfard**, A. Shakoori.  
 Iranian Journal of Pharmaceutical Research, 4, 193, 2004
- **Two isoflavones from *Iris songorica* Schrenk**  
 A. M. Ayatollahi, M. R. Moein, **F. Kobarfard**, M. I. Coudhary  
*Daru*, 12, 54, 2004
- **Is FT-ATR a sensitive tool for determination of aflatoxins?**  
 A. Shmsai, **F. Kobarfard**, H. Yazdanpanah, O. Sabzevari  
*Journal of American Oil Chemists Society*, 81, 719, 2004
- **Attempted syntheses of aminofluorothiophenes**  
**F. Kobarfard**, J. M. Kauffman, W. J. Boyko  
*Journal of Heterocyclic Chemistry*, 36(5)1247, 1999
- **The chemical constitutions of *Potamogeton pectinatus***  
 S. A. M. Ayatollahi, **F. Kobarfard**, H. Komeylizadeh, N. Kashani,  
 N. Afza, A. Malik  
*Pak. J. Sci. Ind. Res.* 40, 90, 1998
- **The protective effect of liquorice and its derivatives against gastric ulcer induced by piroxicam and mefenamic acid in rats**  
 M. Zolfaghari, A. R. Dehpour, M. Amanlow, N. Azari, **F. Kobarfard**  
*Pharmaceutical Sciences*, 2(4)179, 1996
- **Antiulcer activity of liquorice and its derivatives in experimental gastric lesions induced by ibuprofen in rats**  
 A. R. Dehpour, M. Zolfaghari, T. Samadian, **F. Kobarfard**, M. Faizi,  
 M. Assari  
*International journal of pharmacitics*, 119(2)133, 1995