

## Curriculum Vitae (CV)

### **PERSONAL INFORMATION:**

**Name:** Akram Shfiee

**Nationality:** Iran

**Date of Birth:** 30 Dec 1986

**Place of birth:** Hamedan

**Marital Status:** Married

### **Educational centers:**

1. Pharm D: Shahid Beheshti School of Medicinal Sciences, Faculty of Pharmacy. 2005-2012
2. PhD: Tehran University of Medical Sciences, Faculty of Pharmacy. 2012-2021
3. Board Certified Pharmaceutics Specialist, January 2015.

### **Thesis:**

1. Pharm D Thesis: "Method development for simultaneous determination of aflatoxins B1, B2, G1, and G2 in baby food using the DLLME method and HPLC-FLD." Supervisors: Dr.Hassan Yazdanpanah, Dr. Farzad Kobarfard
2. PhD Thesis: "Engineering of hydrogel scaffold for differentiation of stem cells to neurons" Supervisors: Dr. Fateme Atyabi, Dr. Rasoul Dinarvand,

### **Teaching experience:**

- Pharmaceutics 4 : Tehran university, Faculty of Pharmacy
- Pharmaceutics 3 : Baghiatallah university, Faculty of Pharmacy
- " Pharmaceutical peptides scale up & challenges" training seminar in Tehran Faculty of Pharmacy
- "Microfluidic systems in tissue engineering" training seminar in Tehran Faculty of Pharmacy
- "Conductive scaffolds in Cardiac tissue engineering" training seminar in Tehran Faculty of Pharmacy
- "Principles of preparation and stability of injectable drugs" Baghiatallah Hospital
- "Mycotoxin analysis in foods" : workshop in Shahid Beheshti university, Faculty of Pharmacy

### **Presentations:**

- Iranian Pharmaceutical sciences congress 2010 Zanjan : simultaneously analysis of aflatoxins B1, B2, G1, and G2 in baby food using the DLLME method and HPLC-FLD
- Teacher assistant in Mycotoxin analysis workshop, Shahid Beheshti University of Medical Sciences, 2011
- The second National Festival & International Congress on Stem Cell & Regenerative Medicine 2017: Design and development of Conductive PLGA microsphere for biomedical application

**Occupational experiences:**

- Fluent in analysis by HPLC
- Fluent in formulation and analysis of drugs
- Fluent in cell culture
- Fluent in tissue engineering methods
- Intern in the education and training course in Drug and Poison Information Center (DPIC tel NO: 1490)

**Workshops:**

1. GMP compliant stem cell manufacturing for clinical application, Cell therapy and Regenerative Medicine Center, 12 July 2017
2. Microfluidics organs-on-chip for drug screening and disease modeling, Shahid Beheshti University, 5 March, 2016
3. Active and passive microfluidic systems for particle/cell sorting, Shahid Beheshti University, 6 March, 2016
4. Perception the rules and regulations of the pharmaceutical industry in Iran, 2015
5. Mycotoxin analysis in foods, Shahid Beheshti University of Medical Sciences, 4-6 Oct, 2011

**Publications:**

- "Formulation and taste masking of Ranitidine orally disintegrating tablet", Zahra Hesari, Akram Shafiee, Shirin Hooshfar, Naser Mobarra, SeyedAlireza Mortazavi, Iranian Journal of Pharmaceutical Research, 2016, 15 (4), pp: 677-686
- "Combination therapy of macromolecules and small molecules: approaches, advantages and Limitations", Fatemeh Atyabi, Fatemeh Khonsari, Akram Shafiee, Forouhe Zahir, Fatemeh Mottaghitalab, In book: Nanostructures for Cancer Therapy, 2017, pp:541-561
- "Application of microfluidic systems for neural differentiation of cells"Zahra Hesari, Fatemeh Mottaghitalab, Akram Shafiee, Masoud Soleymani, Rasoul Dinarvand, Fatemeh Atyabi, *Precis. Nanomed.* 2019, 2(4), pp:368-381
- "Appropriate Scaffold Selection for CNS Tissue Engineering, Akram Shafiee, Hanie Ahmadi, Behnaz Taheri, Simzar Hosseinzadeh, Yousef Fatahi, Masoud Soleimani, Fatemeh Atyabi, *Rassoul Dinarvand, Avicenna J Med Biotech* 2020; 12(4), pp: 203-220
- "An in situ hydrogel-forming scaffold loaded by PLGA microspheres containing carbon nanotube as a suitable niche for neural differentiation" , Akram Shafiee, Mousa Kehtari, Zeinab Zarei, Masoud Soleimani, Reyhaneh Varshochian, Amirhossein Ahmadi, Fatemeh Atyabi, *Rassoul Dinarvand; Materials Science & Engineering C*, 2021,120, 111739
- " Mesoporous silica coated SPIONs containing curcumin and silymarin intended for breast cancer therapy", Soosan Sadegha, Reyhaneh Varshochian , Pegah Dadras, Hosniyeh Hoseinzadeh , Ramin Sakhtianchi, Zahra Hadavand Mirzaie, Akram Shafiee, Fatemeh Atyabi, R. Dinarvand, *DARU Journal of Pharmaceutical Sciences*, 2022, under review