



*In the name of God*

### **1. Personal information**

**Name and Family:** Fatemeh Amin.

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**(M.Sc. in Biology). 2012-2014**

**(PhD. In Physiology). 2014 until now**

### **2. Educational Experiences:**

- 1- Education of Physiology to medical and paramedical students in reaserch Physiology lab (1999-present), Rafsanjan University of Medical Sciences
- 2- Education of Physiology to paramedical students, 2013-present, Rafsanjan University of Medical Sciences.

### **3. Research articles**

1- Ascorbic Acid reduces the adverse effects of delayed administration of tissue plasminogen activator in a rat stroke model. *Journal of Basic and Clininical Pharmacology and Toxicology*, **2015**. **Corresponding Author IF=3.09**

2- Genetic variants of Cytochrome b-245 alpha polypeptide gene and premature acute myocardial infarction risk in an Iranian population. *Journal of Medical Biochemistry*, **2015**. **IF= 1.084**

3- Neuroprotective Consequences of Post conditioning on Embolic Model of Cerebral Ischemia in Rat. *Iranian Journal of Basic Medical Sciences*, **2013**.

- 4- The Effect of Nicotine Administration on Physical and Psychological Signs of Withdrawal Syndrome Induced by Single or Frequent Doses of Morphine in Rats. *Basic and Clinical Neuroscience*, **2012**.
5. Effect of hydro-alcoholic extract of *Teucrium Polium*, *Descurainia Sophia* and *Artemisia aucheri* on naloxone-precipitated morphine withdrawal in male rat. *Journal of Shahrekord University of Medical Sciences*, **2015**.
- 6- Effect of Ascorbic acid on treatment of stroke by permanent model of middle cerebral artery occlusion in male rats. *Journal of Kerman University of Medical Sciences*, **2015**.
- 7- Effect of hydro-alcoholic extract of *Artemisia aucheri* on castor oil induced diarrhea in male rat. *Journal of Shahrekord University of Medical Sciences*, **2013**.
- 8- Survey on the Protective Effect of Total Hydro-alcoholic Extract of *Artemisia Aucheri* on Mercuric Chloride-induced Nephrotoxicity in Male Mice. *Scientific Journal of Forensic Medicine*, **2013**.
- 9- Effect of *Vitex Agnus-Castus* Extract on Learning and Memory in Ovariectomized Rats. *Journal of Mazandaran University of Med Sciences*, **2012**.
- 10- Internal Evaluation of Physiology Department of Rafsanjan University of Medical Sciences, *Journal of Rafsanjan University of Medical Sciences*, **2013**.
- 11- Effect of ascorbic acid on Infarct Volume and Neurological Deficits after The Embolic Model of stroke in rat. *Journal of Rafsanjan University of Medical Sciences*, **2009**.
- 12- Comparison of the Effects of Hydro-alcoholic *Feru-lago angulata* Extract and Phenytoin Cream on Skin Wounds. *tabari Journal of Preventive Medicine*, **2015**.
- 13- Effect of immobilization stress on scratching behavior in male rat. *Journal of Shahrekord University of Medical Sciences (JSKUMS)*, **2010**.
- 14- The Effect of Ethonolic extract of *Vitex Agnus Castus* on Strock Outcomes in Ovariectomized in Mice, *Journal of Babol University of Medical Sciences*, **2015**.

15- The effect of a single dose of morphine on muscle fatigue indices in male rats. *Journal of Birjand University of Medical Sciences*, **2016**.

16- Determination of serum vitamin D and its association with abdominal obesity, hypertension and impaired fasting glucose among employed women. *Neuroscience Journal of shefaye khatam*, **2015**.

### **3. Congress:**

1. 17<sup>th</sup> Iranian Congress of Physiology and Pharmacology University of Kerman. (2005). poster presentation.

2. 11<sup>th</sup> Iranian Pharmaceutical Sciences Conference. Kerman University of Medical Sciences, Iran (2008).poster presentation.

3. 21st International Iranian Congress of Physiology and Pharmacology (2013). Tabriz University of Medical Sciences. Poster presentation.

3.22<sup>th</sup> .International Iranian Congress of Physiology and Pharmacology (2015). Kashan University of Medical Sciences. Poster presentation.

4. 22<sup>th</sup> .International Iranian Congress of Physiology and Pharmacology (2017). Chabahar University of Medical Sciences. Poster presentation.

5. International Congress of Airway & Interstitial Lung Disease, Mashhad, Iran, (2018)

### **Research project:**

- 1- The effect of hydroalcoholic extract of *Crocus sativus* and its constituent, Safranal, on paraquat-induced lung injury in rats.
- 2- Evaluation the effect of simvastatin loaded PLGA nanoparticles on Paraquat-Induced Pulmonary Fibrosis in Rats.
- 3- The effect of the extract of *Urginea maritima* on rat tracheal smooth muscle and its possible mechanisms.
- 4- Effect of extract of *Allium cepa* and its constituent, quercetin, on rat tracheal smooth muscle and its possible mechanisms.

- 5- Possible therapeutic effect of PPAR $\gamma$  agonist, *Zataria multiflora* boiss hydroalcoholic extract and carvacrol on lung toxicity induced by inhaled paraquat.
- 6- Possible therapeutic effect of carvacrol, PPAR $\gamma$  agonist and antagonist on memory impairment and lung injury induced by inhaled paraquat in rats.
- 7- Possible therapeutic effect of *Zataria multiflora* boiss on memory impairment and lung injury induced by inhaled paraquat in rats.
- 8- The effect of hydro-ethanolic extract of *Curcuma longa* and its constituent, Curcumin on paraquat-induced lung injury in rat.

### **Workshops:**

1. Spss workshop, Rafsanjan University of Medical Sciences, 2013
2. EndNote, Rafsanjan University of Medical Sciences, 2012
3. Methods of research, Rafsanjan University of Medical Sciences, 2013
4. Article writing, Rafsanjan University of Medical Sciences, 2013
5. ICDL (1 and 2), Kerman, 2012.
6. Xcel workshop, Mashhad University of Medical Sciences, 2015
7. Real Time –PCR- Western blot- Primer design at NCBI, Mashhad University of Medical Sciences, 2017
8. Cultivation of neutrophils and lymphocytes, Mashhad University of Medical Sciences, 2016
9. Prezi workshop, Mashhad University of Medical Sciences, 2015
10. Mendely workshop, Mashhad University of Medical Sciences, 2017

### **Research skills:**

I am familiar with techniques such as induction of cerebral ischemia (Permanent and Embolic), transcardiac infusion, Plant extraction, Water maze, Sticky test, Ledge beam walking, Hanging test, Tail flick, Wound healing, Remove the trachea and the response recorded by the software lab chart, Learning and Memory Assessments, Measurement of lung volumes by plethysmography.