

## CURRICULUM VITAE

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### Personal Data:

**Name & Surname:** Mona Farhadi

**Date & Place of Birth:** 21 September 1971, Tehran, Iran

**Gender:** Female

**Citizenship:** Iranian

**Marital Status:** Single

**Tel:** 09122467389

**Address:** Department of Microbiology, Karaj Branch, Islamic Azad University, Karaj, Iran

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### University Education:

- B.Sc, Biology Islamic Azad University, Tehran, Iran, 1991-1995.
- M.Sc, Developmental Biology, North branch, Islamic Azad University, Tehran, Iran. 1998-2001
- Ph.D, Developmental Biology, Science & Research campus Islamic Azad University, Tehran, Iran, 2002-2006.

### Dissertation:

- Separation X–Y bearing mouse spermatozoa by pure sperm discontinue gradient (M.Sc thesis).
- Study of glucose-induced apoptosis in PC 12 cells: Role of Bax Protein (PhD thesis).

### Teaching Experiences:

Both theories and lab. Works:

Undergraduate courses:

**1:** *Histology.*

**2:** *Embryology*

**3:** *Zoology*

**4:** *Cellular & molecular biology*

**5:** *Physiology*

**6:** *cell culture*

**7:** *spss*

## Presentation at meeting:

### **1: International:**

- Farhadi M, saeid kazemi, Reza samani, comparison of puresperm and albumin gradient s in separation X – Y bearing mouse spermatozoa , Middle east fertility society. Abstract book of Middle East fertility society, O- 28 November, 2006.
- Ali.M. sharifi, Syed hadi mousavi, **Mona farhadi**, Bager larijanii: Study of High glucose induced apoptosis in PC12 cell: Role of Bax protein; 2nd USM Penang International postgraduate Convention.18<sup>th</sup>-20<sup>th</sup> June 2008

### **2: Local:**

- **Mona Farhadi**, Kazem Parivar, Ali. M.Sharifi, sirus zeinali, Seyed Hadi Mousavi, .First International Iranian Congress on Biological Science. Azad University Karaj. Iran, December 14-15.2005.(Oral presentation)
- **Mona Farhadi**, saeid kazemi, M. sadughi, .Separation X – Y bearing mouse spermatozoa by pure sperm discontinue gradient. First cellular and developmental Biology congress.September12 – 15 2002.(Oral presentation)
- **Farhadi M**, Jameie S, Kouchmeshki A, Janzadeh A, Hayat P, Kerdari M. Effects of exogenous melatonin on Bax and P53 expression in substantia nigra of adult rat menopause First International and 9th National Biotechnology. Congress. biotechcongress.ir

## Publication:

### **Books:**

- **Farhadi M.**, 2010 Histology for Biology & Paramedical Students, Islamic Azad University Saveh Branch.
- Parivar K., **M. Farhadi 2011** Cell, Tissue, Organ and Embryo culture (Theory and Laboratory Methods), Azad University, Science and Research Branch, Tehran

### **Paper:**

- Sharifi AM, Mousavi SH, **Farhadi M**, Larijani B. Study of high glucose-induced apoptosis in PC12 cells: role of bax protein. Journal of pharmacological sciences. 2007;104(3):258-62
- **Farhadi M**, Parivar k, Sharifi A.M, zeinali S, Mousavi S.H, Bakhshyesh M: Studying of glucose induced apoptosis in PC12 cell: Role of Bax protein. Medical sciences journal of Islamic Azad University. Tehran Medical Unit: 15(4) winter 161-166, 2005.
- **Farhadi M**, Jameie S, Kouchmeshki A, Janzadeh A, Hayat P, Kerdari M. Effects of exogenous melatonin on Bax and P53 expression in substantia nigra of adult rat menopause model following pinealectomy. International Journal of Cellular & Molecular Biotechnology. 2014;2014.
- **Farhadi M**, Kazemi S, Sadughi M, Frootan sh, Afsharian P, Baharvand H: Separation X – Y bearing mouse spermatozoa by pure sperm discontinue gradient. Kowsar Medical Journal: 9 (1) 1-11, spring, 2004.

- **Farhadi M**, Seyed Behnamedin Jameie, Fathemeh shahnam, shayesteh Mehdinejadiani, : Median Raphe nucleus of adult rat: sexual dimorphism and effects of female gonadal steroid deprivation 2010;9:1-2..
- **Farhadi M** (PhD), Jameie SB (PhD), Hayat P (Bsc) & Kouchmeshky A (PharmD) Study of the antioxidant effects of total and flavonoids extracts of *Cuscuta lehmanniana* Bunge against on PC12 cells in vitro diabetic model. Razi.18(90)20012
- Raheleh Zaree, **Mona Farhadi**, Zeinab Mohammzadeh and Golam Reza Goudarzi Extraction and comparison of alkaloids in different organs during different phenological periods of *Nitraria schoberi* . Annals of Biological Research, 2013, 4 (2):130-135
- **Farhadi M**, Fattahi E, Kouchesfahani HM, Shockravi A, Parivar K. The Adverse Effects of Methoxsalen on The Oogenesis of Balb/C Mice. Cell Journal (Yakhteh). 2014;15(4):348-55
- Kerdari M, **Farhadi M**, Masoumipoor M , Hassanzadeh S , Solimani M, Kazemian A, Jalilpouraghdam M & Jameie SB: Effects of Total Light Deprivation on Hippocampal Neurogenesis and Memory of Adult Rats: A Sexual Dimorphic Study
- Kerdari M , Behnam Hamid Gh, **Farhadi M**, Masoumipoor M, Hassanzadeh S4, Solimani M, Jalilpouraghdam M & Jameie : Effects of 660nm low-level laser therapy on P2X3 expression of lumbar DRG of adult male rats with neuropathic pain

### Supervisor & advisor

#### Supervisor

- The effect of oleuropin extraction of native species of *olea europea* L.on colon cancer Sw480 cell line
- The study isolation of *Nitraria schoberi* L. population's alkaloids in Arak province
- Extraction and investigation of changes in mineral of *Nitraria schoberi* species in different phenological stages
- The study of flavonoid extract of (*Glycyrrhiza glabra*) in breast cancer cell line (Mcf-7)
- Investigation of the effects of nano titanium dioxide on development of dental bud in NMRI mouse strain in vivo
- Isolation and comparison of isoprenoids and Flavonoids leave extract of Neem (*Melia indica*) in phenological period and its effect on mouse germ cells
- Comparative study of anti-tumor activity of silver, zinc and iron nanoparticles on human white blood cells and HPB- ALL leukemia in In vitro.

#### Workshops:

- 2004, Article writing workshop, Islamic Azad University, Saveh, Iran.
- 2005, Poster writing workshop, Islamic Azad University, Saveh, Iran.
- 2006, Education learning and Instruction, Islamic Azad University, Saveh, Iran.

Research interest:

- Stem cell Research
- ART Research
- Tissue & Cell culture Research
- Apoptosis Research
- Tissue staining Research
- Molecular Research
- Proteomic Research
- Reproductive physiology

Techniques:

1. IVF
2. PCR
3. Cell culture
4. Western blotting
5. MTT assay
6. Perfusion & Fixation.
7. Tissue staining.
8. Hoechst staining
9. Sperm preparation
10. Protein extraction
11. DNA extraction

REFREES:

- **Professor Dr, Kazem Parivar**  
Professor of Developmental Biology  
Science & research Azad University Tehran. Iran
- **Dr. Behnam Jameie**  
Associate Professor in Anatomical sciences  
Department of Anatomy Cellular & Molecular Research center Iran University of  
Medical Sciences  
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