CURRICULUM VITAE INFORMATION FORM

PERSONAL DETAILS



	Fatemeh Sabbaghziarani		
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EDUCATION

Name and address of school & university	**Date of attendance**	**Course's Graduation**
Sohrevardy , Pre-University, Qazvin, Iran	**1994**	**Diploma:** Experimental Sciences
School of Nursing and Midwifery, Qazvin University of Medical Sciences, Qazvin, Iran.	**1996-1999**	**Assisted Diploma:** Midwifery
School of Nursing and Midwifery, Kerman University of Medical Sciences, Shiraz, Iran.	**2001-2003**	**Bachelor of Science:** Midwifery
School of Medicine, Qazvin University of Medical Sciences, Tehran, Iran.	**2006-2009**	**Master of Science:** Anatomical Sciences
School of Medicine, Tehran University of Medical Sciences, Tehran, Iran.	**2012-2016**	**Ph.D.:** Anatomical Sciences

Laboratory techniques:

Cell Culture (adult and embryonic stem cells; human and animal) and Differentiation, Regular and Specific Histologic Staining, Stereological analyses, Animal brain ischemia model

Computer literacy:

Microsoft Word, Microsoft Power Point, Microsoft Excel, Adobe Photoshop, EndNote Software, ImageJ Software, SPSS software

Languages:

- English
- Persian

Work Background:

1. Working on Human Sources Project for 1 year in Abyek Health and Medication Center. 1999-2000
2. Working in the Health-medication Center for seven months. 2005
3. Working in the private medical center for 17 months. 2005-2006
4. Working in Department of Anatomy in Mazandaran University of Medical Sciences for 1 year. 2010-2011
5. Cadaver dissection at international college of Ramsar, 2010-2011
6. Assistant professor in Qazvin University of Medical Sciences Since SEP of 2016 so far

Teaching Background:

1. Teaching theoretical and practical histology for Medical students at Qazvin medical university, 2006-2009
2. Teaching theoretical histology for Midwifery students at Qazvin medical university, 2006-2009
3. Teaching embryology for Medical students at Qazvin medical university, 2006-2009
4. Teaching embryology for Midwifery students at Qazvin medical university, 2006-2009
5. Teaching practical anatomy for Medical, Dentistry, Pharmacy and para-medical students at Sari University, 2009
6. Teaching practical anatomy in Sari faculty of medicine, Mazandaran University of Medical Sciences, 2010-2011.
7. Teaching theoretical anatomy for Health Technology at Sari University, 2010.
8. Teaching theoretical anatomy for Vocational Hygiene at Sari University, 2010.
9. Teaching practical anatomy for Medical students at Sari University, 2010.
10. Teaching embryology for Biology students at Sari University, 2010.
11. Teaching anatomy for Nursing students at Varamin Azad University, 2012-2013.
12. Teaching histology for Midwifery students at Varamin Azad University, 2012-2013
13. Teaching histology for Midwifery students at Tehran Azad University, 2013
14. Teaching anatomy for Medical & dentistry students at Qazvin University of Medical Sciences University, 2016 -up to now
15. Teaching histology for Medical & dentistry students at Qazvin University of Medical Sciences University, 2016-up to now
16. Teaching embryology for Medical & dentistry students at Qazvin University of Medical Sciences University, 2016- up to now

Research Background:

M.Sc. Thesis Subject:

The effects of social stress on oocyte DNA fragmentation rate in mouse

Ph.D. Thesis Subject:

Effect of intravenous injection of triiodothyronine (T3) and retinoic acid induced umbilical cord matrix stem cells on subventricular cell survival in animal model of ischemia.

Approved Projects:

1. The histopathologic effects of social stress on the height of the epithelial cells of the uterus and fallopian tube in mice.
2. Effects of extremely low-frequency electromagnetic field on fertility and heights of epithelial cells in pre-implantation stage endometrium and fallopian tube in mice.
3. Evaluation of antioxidant effects of melatonin and N-acetylcysteine (NAC) on the oxidative stress induced by ischemia in the penumbra area of the rat cerebral cortex.
4. Effects of melatonin and N-acetylcysteine (NAC) on brain cortex TNF-a levels in rat ischemia model.
5. . The Role of melatonin and L-carnitine, on mature mouse oocyte GDF9 and BMP15 gene expression by the method of in vitro maturation(IVM).
6. The effect of co-administration of melatonine, L-carnitine and atorvastatin on the quality and maturity of oocytes by the method of in vitro.
7. The effect of melatonine, L-carnitine and atorvastatin on mature mouse oocytes apoptosis by the method of in vitro.
8. The effect of atorvastatin on mature mouse oocytes apoptosis by the method of in vitro
9. Evaluation of melatonin and N-acetylcysteine (NAC) effects on NLRP3 level in the penumbra area of the rat cerebral ischemia model.
10. Evaluation of melatonin and N-acetylcysteine (NAC) effects on NLRP1 level in the penumbra area of the rat cerebral ischemia model.
11. Effects of melatonin and N-acetylcysteine (NAC) on brain cortex IL-1β levels in rat ischemia model.
12. Investigating the effect of isorhamnetin on testis fertility markers in rat brain ischemia model
13. Neuroprotective efficacy of isorhamnetin in a rat model of 6-OHDA Parkinson disease.
14. Investigating the relationship between anthropometric measurements of feet and height and gender in Qazvin.
15. Neuroprotective efficacy of Trichostatin A in a rat model of 6-OHDA Parkinson disease
16. Assessment of the relation between anthropometric measurements and sex and stature prediction of 6-12 years old children in Qazvin.2023
17. Neuroprotective efficacy and antiparkinsonian agent of Rilmenidine in a rat model of 6-OHDA Parkinson disease

Participation in Congresses and Seminars:

1. Examination of the Effects of electromagnetic field on fertility and mouse gonads in preimplantation stage, Asian Pacific International Congress of Anatomy (APICA), held by the Iran University of Medical Sciences (IUMS)- 2008;
2. Examination of the Effects of electromagnetic field on mouse pregnancy, APICA, IUMS- 2008;
3. Participation in Royan International Congress-2008
4. The histopathologic effects of social stress on mouse ovary, the 9th Iranian Congress of Anatomical Sciences held by the Hamedan University of Medical Sciences (HUMS)-2010
5. The effects of social stress on mouse oocyte, the 9th Iranian Congress of Anatomical Sciences, held by the Hamedan University of Medical Sciences (HUMS)-2010.
6. Participation in the fifth congress of reproductive biology, held at Yazd University of Medical Sciences, 2013.
7. The Fourth International Virtual congress on Neuroinflammation. Vitrtual forum. Mashhad University of Medical Sciences- 4-5 march 2021.
8. 24th Royan International Hybrid Congress on Reproductive Biomedicine .31 August-1 September 2023),

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Participation in the Training Workshops:

1. One-day workshop of cell culture, Anatomy Department, Qazvin University of Medical Sciences (QUMS); Qazvin, Iran, 2008.
2. One-day workshop of IUI, Qazvin University of Medical Sciences (QUMS); Qazvin, Iran, 2008.
3. Workshop of Scientific and Practical Mycobacterium tuberculosis (TB) Diseases (Center for Continuous Development and Education of the Qazvin University of Medical Sciences (QUMS); Qazvin, Iran, 2006.
4. Practical workshop of Polymerase Chain Reactions (PCR) (Student Research Committee of the, Qazvin University of Medical Sciences (QUMS); Qazvin, Iran, 2006 and
5. Practical workshop of Handling Lab Animals (Student Research Committee of the Qazvin University of Medical Sciences (QUMS); Qazvin, Iran, 2006.
6. One-day workshop of brain by focus on basal ganglia, International College, Tehran University of Medical Sciences, 2014.
7. One-day workshop of IHC and Immunostaining IFC in biological studies, Anatomy Department of Tehran University of Medical Sciences, 2015
8. Workshop of "preliminary methods for teaching", Tehran University of Medical Sciences, 2015.
9. Workshop of new techniques in Immunohistochemistry, Tehran University of Medical Sciences, 2017.
10. Design, write and implement systematic review and meta-analysis studies. Qazvin University of Medical Sciences. 2019.
11. Workshop organizer of Standardization of research on laboratory animals. Qazvin University of Medical Sciences. 2023

Papers:

1. **Fatemeh Sabbaghziarani**, etal. Examination of the Effects of electromagnetic field on fertility and mouse gonads in preimplantation stage (Published in the Iranian Endocrines and Metabolism Review, March 2008), Research & Study.
2. Rajaei F, Borhani N, **Sabbagh-Ziarani F**, Mashayekhi F. Examination of the Effects of extremely low-frequency electromagnetic field on fertility and heights of epithelial cells in pre-implantation stage endometrium and fallopian tube in mice (Published in the Journal of Chinese Integrative Medicine JCIM, in February 2010).
3. Keywan Mortezaee, **Fatemeh Sabbaghziarani**, Gholamreza Hassanzadeh, Noushin Alaghbandha, Ali Dehbashipour. Anthropometric Features of Body Index in Natives of Qazvin, Iran. Journal of Anatomical sciences, 2013. *Published***.**
4. Keywan Mortezaee[1], Bagher Minaii[1], **Fatemeh Sabbaghziarani[1]**, Iraj Ragerdi kashani[1], Mohammad Barbarestani[1*], Mostafa Latifpour[1]. Retinoic Acid as the stimulator factor for Differentiation of Wharton's Jelly Mesenchymal Stem Cells into Hepatocyte like Cells. Aveccina Journal, 2015. *Published*.
5. **Fatemeh Sabbaghziarani[1]**, Keywan Mortezaee[1], Gholamreza Hassanzadeh[*1], Shahrbano Oryan[2], Mohammad Sharifzadeh[2], Mahnaz Khanavi[2], Sharareh Rasapour. Could Melissa Officinalis Extract restore Streptozotocin-induced spatial memory impairment in rats? Journal of Anatomical sciences, 2014. *Published*.
6. Mortezaee K[1], **Sabbaghziarani F**[1], Noori-Mugahi S M H[2*], Moghani-Ghoroghi F[1], Sadr M[1]. Stereological Analysis of Colon under Exposure of **L-Arginine and L-NAME** in Female Wistar Rats. Zahjrms journal, 2014. *Published***.**
7. **Fatemeh Sabbaghziarani** [1], Keywan Mortezaee [1], Seyed Mohammad Hossein Noori-Mugahi. Effects of L-Arginine and L-NAME on Duodenal Histologic Parameters in Female Wistar Rats. Anatomical Sciences Journal, 2015. *Published***.**
8. Keywan Mortezaee[1], **Fatemeh Sabbaghziarani[1]**, Ameneh Omidi[1], Ahmad Reza Dehpour[2], Negar Omidi[3], Soudabeh Ghasemi[1], Parichehr Pasbakhsh[1], Iraj Ragerdi Kashani. Therapeutic Value of Melatonin Post-treatment on CCl_4-induced Fibrotic Rat Liver. *Canadian journal of physiology and pharmacology*, 2015. *Published.*
9. Keywan Mortezaee[1], Parichehr Pasbakhsh[1], Iraj Ragerdi Kashani[*1], **Fatemeh Sabbaghziarani[1]**, Ameneh Omidi[1], Adib Zendedel[1], Soudabeh Ghasemi[1], Ahmad Reza Dehpour**.** Melatonin Pretreatment Enhances the Homing of Bone Marrow-Derived Mesenchymal Stem Cells Following Transplantation in a Rat Model of Liver Fibrosis. *Iranian Biomedical Journal. Accept.*
10. **Fatemeh Sabbaghziarania**, Keywan Mortezaeeb, Mohammad Akbaric, Iraj Ragerdi kashanic, Mansooreh Soleimanid, Gholamreza Hassanzadeha* and Adib Zendedele. Stimulation of neurotrophic

factors and inhibition of pro-inflammatory cytokines by exogenous application of triiodothyronine in the rat model of ischemic stroke. *Cell biochem funct*. 2017; 35:50–55. doi.org/10.1002/cbf.3244.

11. **Fatemeh Sabbaghziarani1**, Keywan Mortezaee, Mohammad Akbari1 , Iraj Ragerdi kashani1 , Mansooreh Soleimani3 , Ashraf Moini4 , Nahid Ataeinejad1, Adib Zendedel5 & Gholamreza Hassanzadeh1. Retinoic acid-pretreated Wharton's jelly mesenchymal stem cells in combination with triiodothyronine improve expression of neurotrophic factors in the subventricular zone of the rat ischemic brain injury. *Metab Brain Disease*. 2017; 32: 185. DOI 10.1007/s11011-016-9897-8.
12. Mortezaee, keywan; Khanlarkhani, Neda; **Sabbaghziarani, Fatemeh** ; Nekoonam , Saeid ; Majidpoor, Jamal ; Hosseini, Amir ; Pasbakhsh, Parichehr ; Ragerdi Kashani, Iraj ; Zendedel, Adib. Preconditioning with melatonin improves therapeutic outcomes of bone marrow-derived mesenchymal stem cells in targeting liver fibrosis induced by CCl4. Cell and Tissue Research, 2017; DOI 10.1007/s00441-017-2604-1.
13. Algazo MA, Amiri-ghashlaghi S, Delfan B, Hassanzadeh G**, Sabbaghziarani F,** Jazaeri F, Dehpour AR. Cirrhosis-induced morphological changes in the retina: possible role of endogenous opioid. Int J Ophtalmol. 2015;8(4):681-6843980/j.issn.2222-3959.2015.04.07
14. Mona Borhani, Mohammad Sharifzadeh, Mohammad Hosein Farzaei, Zahra Narimani, **Fatemeh Sabbaghziarani**, Mahdi Gholami, Roja Rahimi. Protective effect of iris germanica l. in β-amyloid-induced animal model of alzheimer's disease. AJTCAM. 2017; 14(4): 140-148
15. I Salimikia, M Aryanpour, R Bahramsoltani, M Abdollahi, AH Abdolghaffari, N Samadi, **F Sabbaghziarani,** M Gholami, HR Monsef-Esfahani. Phytochemical and wound healing effects of methanolic extract of Salvia multicaulis Vahl. in rat. Journal of Medicinal Plants. 2016; 1(57): 38-46.
16. Athari Nik Azm S, Djazayeri A, Safa M, Azami K, Ahmadvand B, **Sabbaghziarani F**, Sharifzadeh M, Vafa M. Lactobacilli and bifidobacteria ameliorate memory and learning deficits and oxidative stress in β-amyloid (1–42) injected rats. 2018; 43 (7), 718-726.
17. Rahimi N, Hassanipour M, Sistany Allahabadi N, **Sabbaghziarani F**, Yazdanparast M, Dehpour A. Cirrhosis induced by bile duct ligation alleviates acetic acid intestinal damages in rats: Involvements of nitrergic and opioidergic systemsPharmacological Reports.Volume 70, Issue 3, June 2018, Pages 426-433.
18. Fatemeh Dolatabadi, Amir H Abdolghaffari, Mohammad H Farzaei, Maryam Baeeri, **Fatemeh S Ziarani,** Majid Eslami, Mohammad Abdollahi, Roja Rahimi. The Protective Effect of *Melissa officinalis* L. in Visceral Hypersensitivity in Rat Using 2 Models of Acid-induced Colitis and Stress-induced Irritable Bowel Syndrome: A Possible Role of Nitric Oxide Pathway**.** Journal of neurogastroenterology and motility; 2018; 24 (3): 490
19. Bita Khodayar, Mohammad Hossein Farzaei, Amir Hossein Abdolghaffari, Roodabeh Bahramsoltani, Maryam Baeeri, **Fatemeh Sabbagh Ziarani**, Mojdeh Mohammadi, Roja Rahimi, Mohammad Abdollahi The Protective Effect of the Gallic Acid Against TNBS-induced Ulcerative Colitis in Rats:

Role of Inflammatory Parameters. Journal of Iranian Medical Council, 2018; 1 (1): 34-42.

20. Association of atorvastatin with increased growth and quality of immature mouse oocytes in-vitro. Morteza Sadeghi, **Fatemeh Sabbaghziarani**, Pourya Soleimani, Mohammad Reza Ashtarimajelan, And Fariba Zafari. Scientific Journal of Kurdistan University of Medical sciences. 2021. 26(4): 30-37.
21. Amirhossein Dolati-Somarin, **Fatemeh Sabbghziarani**, Bahareh Abd-Nikfarjam. Achievements, Challenges and Efficacy of COVID-19 Vaccines: A Review Study. J Jiroft Univ Med Sci 2022, 9(2): 968-981
22. M Sadeghi, R Chegini, **F Sabbaghziarani**, P Soleimani, MR Ashtarimajelan, F Zafari. Investigating 7 the Effect of Atorvastatin on the Rate of Apoptosis in Mouse Oocytes 2023,13 (4): 248-256.

Books

1. Junqueira's Basic Histology…2013 & 2016…translation in Persian
2. Oral histology translation… 2017… translation in Persian
3. Anatomy for medical students….2017…
4. Greys Anatomy…2019…. translation in Persian
5. Greys Anatomy…2023…. translation in Persian

Awards:

1. Top student of Qazvin University of Medical Sciences in 2008 (1387).
2. Ranked first in the comprehensive exam in the PhD course in 2013 (1392).
3. Selection of Johnqueira's basic histology 2016 as the best translated book in the medical department in the 25th National Student Year Book Festival in 2018 (1397).