

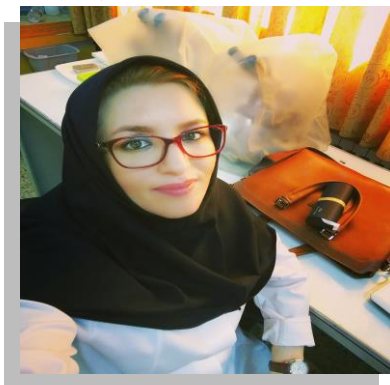
In the Name of Allah

CV Form

Name: Fatemeh Surname: Moradi

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Zanjan University of Medical Sciences, Zanjan, IRAN



A. Personal Information

First Name: Fatemeh

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B. Education

Degree	Field	Institution	City	Country	Date
Ph.D.	Physiology	Tehran University of Medical Sciences	Tehran	Iran	2015
M.Sc.	Physiology	Shahed University	Tehran	Iran	2008
B.Sc.	Nursing	Guilan University of Medical Sciences	Rasht	Iran	2005

C. Academic Appointments

2008-2012: laboratory staff of Shahid Beheshti University of Medical Sciences

2015 to date: Assistant Professor of Zanjan University of Medical Sciences

D. Trainings Passed

D.I. Courses

D.II. Workshops

1. Workshop of Western blotting Methods, Zanjan University of Medical Sciences
2. Workshop of Scientific Writing, Guilan University of Medical Sciences
3. 2nd PowerLab workshop in research and education and advanced techniques in Bio sciences, Shahid Beheshti Medical Science University, Tehran
4. Workshop of Teaching methods in Tehran University of Medical Sciences
5. Workshop of PCR, Tehran University of Medical Sciences
6. Behavioral Methods in Neuroscience. Tehran University of Medical Sciences, Tehran, Iran

E. Publications

E.I. Articles

E.I.1. In Persian

۱- فقر غذایی، محیط ایزوله و فقدان ثبات اجتماعی سبب افزایش تجمع لیپوفوشین و القای مرگ سلولی در سلول های کبدی می گردد. فاطمه مرادی، محمدرضا واعظ مهدوی، ابوالحسن احمدیانی، مهرداد روغنی، تقی الطریحی، علیرضا دلشاد، شهناز مجرب. فصل نامه کومش. جلد ۱۴ شماره ۱. دانشگاه علوم پزشکی سمنان. ۱۳۹۱

۲- اثر عدم ثبات اجتماعی، محرومیت غذایی و نابرابری در دریافت غذا بر القای پیری زودرس و مرگ نوروون های هیپوکامپ. فاطمه مرادی، شهناز مجرب، محمدرضا واعظ مهدوی، ابوالحسن احمدیانی، مهرداد روغنی، تقی الطریحی، علیرضا دلشاد، دانشور پزشکی. جلد ۱۹ شماره ۹۷. سال ۱۳۹۱.

۳- اثر ورزش منظم بر پیامدهای ناشی از استرس مزمن روانی اجتماعی در موش صحرایی مبتلا به نارسایی قلبی القاشده با ایزوپروترونول. ریحانه صادق زاده، فاطمه مرادی، محمدرضا واعظ مهدوی، مهرداد روغنی، مرجان آقاجانی. دانشور پزشکی. جلد ۲۴ شماره ۱۲۶. سال ۱۳۹۵.

E.I.2. In English:

1. WIN55212-2 attenuates amyloid-beta-induced neuroinflammation in rats through activation of cannabinoid receptors and PPAR-g pathway. Gohar Fakhfouri , Abolhasan Ahmadiani , Reza Rahimian , Ambra A. Grolla , **Fatemeh Moradi** , Ali Haeri. *Neuropharmacology* 63 (2012) 653-666.
2. Acute 17b-Estradiol Pretreatment Protects Against Abdominal Aortic Occlusion Induced Spinal Cord Ischemic-Reperfusion Injury. *TECHNICAL EXPERIENCES*. *Neurochem Res* (2011).
3. A.Cyclooxygenase (COX)-1 activity precedes the COX-2 induction in A β -induced neuroinflammation. Dargahi L, Nasiraei-Moghadam S, Abdi A, Khalaj L, **Moradi F**, Ahmadiani. *J Mol Neurosci*. 2011 Sep; 45(1):10-21. doi: 10.1007/s12031-010-9401-6.

4. Unstable social situation and food inequality can promote accumulation of lipofuscin and induced apoptosis in hepatocytes. **Fatemeh Moradi**, Mohammad Reza Vaez Mahdavi , Abolhassan Ahmadiani, Mehrdad Roghani, Taghi Altarihi, AliReza Delshad, Shahnaz Mojarab *World Applied Sciences Journal* 20 (2): 310-318, 2012
5. Curcumin has neuroprotective effect on homocysteine rat model of Parkinson. Zahra Mansouri, Masoumeh Sabetkasaei, **Fatemeh Moradi**, Fatemeh Masoudnia, Amin Ataie. *Journal of Molecular Neuroscience*, 2012
6. The γ -secretase blocker DAPT impairs self-limitation of LPS-induced inflammation in rat brain. S. Nasoohia, A Hemmati, **F. Moradi**, A. Ahmadiani *Neuroscience*. Volume 210, 17 May 2012, Pages 99–109
7. "Electromagnetic field stimulation potentiates endogenous myelin repair by recruiting sub ventricular neural stem cells in an experimental model of white matter demyelination". MA Sherafat, M Heibatollahi, S Mongabadi, **F Moradi** - *Journal of Molecular Neuroscience*, 2012.
8. Gemfibrozil Pretreatment Resulted in a Sexually Dimorphic Outcome in the Rat Models of Global Cerebral Ischemia – Reperfusion via Modulation of Mitochondrial Pro-survival and Apoptotic Cell Death Factors as well as MAPKs. Fatemeh Mohagheghi, Abolhassan Ahmadiani, Behrouz Rahmani, **Fatemeh Moradi**, Nathalie Romond, Leila Khalaj. *Journal of Molecular Neuroscience* July 2013, Volume 50, Issue 3, pp 379–393.
9. Reversal of Prenatal Morphine Exposure-Induced Memory Deficit in Male but Not Female Rats. Nasiraei-Moghadam S, Sherafat MA, Safari MS, **Moradi F**, Ahmadiani A, Dargahi L. *J Mol Neurosci*. 2013 May; 50(1):58-69. doi: 10.1007/s12031-012-9860-z.
10. Can social instability, food deprivation and food inequality accelerate neuronal aging? **Fatemeh Moradi**, Mohammad Reza Vaez Mahdavi *, Abolhassan Ahmadiani, Mehrdad Rogani, Taki Altiraihi, Shahnaz Mojarab. Volume 3, Number 3. *BCN* 2012.
11. Regular Exercise or Food Restriction, which is better in the Event of Heart Failure? An Approach to Oxidative Stress and Angiogenesis. **Fatemeh Moradi**, Alireza Imani, Abbas Shakoori, Mohammad Reza Vaez Mahdavi, Saman Mehrabi, Mohammad Molazem, Marjan Aghajani, IMahdieh Faghih. *Annals of Applied Sport Science*, vol. 4, no. 4, pp. 07-19, 2016. *Sport Science*, vol. 4, no. 4, pp. 07-19, winter 2016.
12. Post-infarct sleep disruption and its relation to cardiac remodeling in a rat model of myocardial infarction. Marjan Aghajani, Mahdieh Faghihi, Alireza Imani, Mohammad

Reza Vaez Mahdavi, Abbas Shakoory, Tayebah Rastegar, Hoda Parsa, Saman Mehrabi, **Fatemeh Moradi** & Ehsan Kazemi Moghaddam. Chronobiology International. 10 February 2017.

13. Does increased Nitric Oxide production and oxidative stress due to high fat diet affect cardiac function after myocardial infarction? Aghajani m, Imani A, Faghihi M, Vaez Mhdavi MR, **Moradi F**, Mahboubi S, Kazemi Moghadam E. Cellular and Molecular Anesthesia. Vol 2, No 1 .2017.
14. Depressed Immune Responses and Accelerated Splenic Apoptosis due to Experience of Food Deprivation and Inequality but not Unstable Social Status in Balb/c Mice. Marjan Aghajan, Mohammad Reza Vaez Mahdavi, **Fatemeh Moradi** & Ehsan Kazemi Moghaddam. Neuroimmunomodulation.2017
15. Biodistribution, pharmacokinetics, and toxicity of dendrimer-coated iron oxide nanoparticles in BALB/c mice. Salimi, M, Sarkar, S , Fathi, S, Alizadeh, A.M. Saber, R. **Moradi, F**, Delavari, H.international journal of Nanomedicine. Volume 13, 13 March 2018, Pages 1483-1493
16. Huperzine A ameliorates cognitive dysfunction and neuroinflammation in kainic acid-induced epileptic rats by antioxidant activity and NLRP3/caspase-1 pathway inhibition. Parvaneh Mohseni-Moghaddam, Seyed Shahabeddin Sadr, Mehrdad Roghani, Somayeh Arabzadeh, Safoura Khamse, Elham Zamani, Marjan Hosseini, **Fatemeh Moradi**. Clinical and Experimental pharmacology and physiology.2019
17. Effects of regular exercise plus food restriction on left ventricular pathological remodeling in heart failure-induced rats. **Moradi F**, Imani AR, Faghihi M. Bratisl Med J 2019; 120 (4) 243 – 248.
18. Homobox B4 gene expression is upregulated by Ghrelin through PI3-Kinase signaling pathway in rat's bone marrow stromal cells. Taherkhani Sh, **Moradi F**, Hosseini M, Alipour M, Feizi h. Endocrine regulation.2019

F. Experience

F.I. Teaching

1. Teaching Physiology for M.Sc. students in medical physic, toxicology, medical engineering , **Tehran** University of Medical Sciences
2. Teaching Physiology for medical students, **Shahed** University
3. Teaching for M.Sc. Students in Physiology, **Zanjan** University of Medical Sciences
4. Teaching Physiology for paramedical students, **Zanjan** University of Medical Sciences
5. Teaching for M.Sc. Students in Medicinal Chemistry, **Zanjan** University of Medical
6. Teaching Physiology for dentistry students, **Zanjan** University of Medical
6. Teaching Physiology for pharmacy students, **Zanjan** University of Medical

F. II. Clinical / Practical

- 1- RNA isolation Methods
2. Ischemia – Reperfusion of heart
3. Immunohistochemistry (IHC)
4. Real-Time PCR
5. Oxidative stress
6. Food and Sleep deprivation
7. Psychosocial stress models
8. Western blotting

G. Research Projects

1. Prenatal morphine exposure induced memory deficit can be reversed after puberty in male but not female rats.
2. The Study of effects of chronic psychosocial stress in an experimental model of Parkinson disease in male rats.
3. Unstable social situation and food inequality can promote accumulation of lipofuscin and induced apoptosis in hepatocytes and hippocampal pyramidal cells.
4. Curcumin has neuroprotective effect on homocysteine rat model of Parkinson.
5. Effect of Estradiol on locomotor function and myelin preservation in unilateral electrolytic lesion of ventrolateral funiculus of spinal cord in male rats.
6. Gemfibrozil pretreatment modulated mitochondrial biogenesis pathway and resulted in a sexually- dimorphic outcome in rat models of global cerebral ischemia-reperfusion:female neuroprotection, male neurotoxicity.
7. Electromagnetic field stimulation attenuates demyelination and potentiates endogenous myelin repair by recruiting subventricular neuronal stem cells in a local model of white matter demyelination in rat,

۸. اثر ورزش منظم بر پیامدهای ناشی از استرس مزمن روانی-اجتماعی در موش صحرایی مبتلا به نارسایی قلبی القاء شده با ایزوپرتنول

۹. اثر ورزش منظم بر سیستم حافظه و یادگیری در موش صحرایی مبتلا به نارسایی قلبی القاء شده با ایزوپرتنول

۱۰. بررسی اثرات ملاتونین بر روند آنژیوژنز در موش صحرایی مبتلا به نارسایی قلبی القاء شده با ایزوپرتنول

۱۱. اثر ورزش منظم بر پیامدهای بی خوابی مزمن در موش صحرایی مبتلا به نارسایی قلبی القاء شده با ایزوپرتنول

H. Presentations

H.I. Domestic Conferences:

1. 1st National Congress of Neuroscience (2011), Golestan University of Medical Sciences, Gorgan, Iran: **Moradi F**, Nasiraei-Moghadam Sh, Sherafat A, Safari M-Sh, Ahmadiani A and Dargahi L. Sexual Maturation Repairs Prenatal Morphine Exposure Induced Memory Deficit in Male but not Female Rats. *Oral presentation*
2. 1st National Congress of Neuroscience (2011), Golestan University of Medical Sciences, Gorgan, Iran: **Moradi F**, Unstable social situation and food inequality can promote accumulation of lipofuscin and induced apoptosis in hepatocytes and hippocampal pyramidal cells.
3. National Symposium of Alzheimer. Iran University of Medical Sciences, Tehran, Iran
4. 10th Iranian Anatomical Sciences Congress. May 2012 Guilan University of Medical Sciences
5. Basic and Clinical Neuroscience Congress 2012 Iran University of Medical Sciences, Tehran, Iran
6. National Congress of Applied Sciences in exercise and health. Tabriz University of Medical Sciences Iran.
7. 22th Iranian Congress of Physiology and Pharmacology, September 2015, Kashan University of Medical Sciences Iran.

H. II. International Conferences:

1. 1th International and 22th Iranian congress of Physiology and Pharmacology, September 2015, Kashan University of Medical Sciences Iran.
2. The 9th Annual Scientific Meeting of Iranian Pain Society. The 1th international Meeting of Pain. May 2009. Bandar-e- Anzali, Iran
3. 1st National Congress of Neuroscience 1389 (2011), Golestan University of Medical Sciences, Gorgan, Iran: **Moradi F**, Nasiraei-Moghadam Sh, , Sherafat A, Safari M-Sh, Ahmadiani A and Dargahi L. Sexual Maturation Repairs Prenatal Morphine Exposure Induced Memory Deficit in Male but not Female Rats. *Oral presentation*
4. 7thFENS Forum of European neuroscience, July 3-7, 2010, **Amsterdam**. **Moradi F**, Dargahi L, Nasiraei-Moghadam Sh, Abdi A, Khalaj L. Ahmadiani A. COX-1 activity precedes the COX-2 induction in A β induced neuroinflammation. *Poster presentation*
5. A383 win55, 212-2 attenuates amyloid-beta-induced neuroinflammation in rats: involvement of peroxisome proliferator-activated receptor gamma.8th **IBRO** World congress of neuroscience international brain research

organization. **Florence, ITALY. (Journal of Neuropharmacology), Poster presentation**

6. Reduced nociception in response to social stresses is related to the accumulation of amyloid-beta peptide deposition in male Balb/c mice. 2016, **Japan. Poster presentation**

I. Thesis Arbitration

1. Evaluating the effect of trabecular meshwork stem cells transplantation on the motor symptoms recovery and passive avoidance memory in animal model of parkinsons disease
2. The effect of Cinnamomum zeylanicum extracts pre-nutrition on stroke induced neurologic deficits in high fat diet rats
3. Assessment the effect of Cinnamomum zeylanicum extracts pre-nutrition on matrix metalloproteinase 2 and 9 after brain ischemia by middle cerebral artery occlusion in receiving high fat diet rats
4. Assessment the effect of Cinnamomum zeylanicum extracts pre-nutrition on antioxidant capacity after brain ischemia in receiving high fat diet rats
5. Neuroprotective effects of lovastatin in the pilocarpine rat model of epilepsy according to the expression of neurotrophic factors

II. Students Supervised

1. Evaluating the involvement of PI3/AKT and MAPK signaling in the ghrelin's effect on HOXB4 expression in the rat BMSCs. **M.S Thesis**
2. Design and Implementation of a Stimulus Software for a Mouse and Analysis of the Animal's Movement in a Black and White Box. **M.S Thesis**
3. Effects of Cinnamomum Zeylanicum Extracts pre-nutrition, vegf, calpain1, calpain2 occluding gene expression and P-selectin level after Brain Ischemia in Receiving High Fat Diet Rats. **M.S Thesis**
4. Regular exercise modulates psychosocial stress consequences in heart failure. **Medical Thesis**
5. The effect pre-nutrition of cinnamon extract on the expression of Catsper calcium channels in male rats with hyperlipidemia. **M.S Thesis**
6. Protective effects of hydroalcoholic extract of Cuscuta Chinensis in the rat model of isoproterenol induced heart failure: with approach to angiogenesis. **Pharmacy Thesis**

7. Comparison of the Effect of Early and Delayed Treatment with Sertraline and Clonazepam in the Animal Model of Post-Traumatic Stress Disorder. **Psychiatry Thesis**

M. Professional Memberships

1. Iranian Society of Physiology and Pharmacology
2. Iranian Society of cell death and apoptosis

N. Research Interests

1. Cardiovascular system
2. Neuroscience
3. Exercise physiology

O:Prizes/Awards:

2014. Tehran university of medical sciences” top logbook and cv of PhD student “
2007. Shahed university top graduated student
2010: Acquiring the second rank in comprehensive exam of physiology.
2010: National physiology PhD Program Entrance Exam (ranked 2ed among 250 candidates)

P. Referees

1. Dr. Mohammad Reza Vaez Mahdavi(Shahed University)
2. Dr. Mahdieh Faghihi (Tehran University of Medical Sciences)