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| **CURRICULUM VITAE** Dr. Gisou Mohaddes Educational Degree: PhD Academic title: Associate Professor Professional Address: Dep. of Physiology Tabriz University Medical Sciences Tel/Fax: +98-41-33364664 E-mail: gmohades@yahoo.com, mohaddesg@tbzmed.ac.ir | C:\Documents and Settings\User\Desktop\Picture.jpg |
| **EDUCATION** 2000-2005: PhD of human physiology, Tabriz University of Medical Sciences 1996-1999: MSc of human physiology, Kerman University of Medical Sciences 1989-1993: BSc of nursing, Shaheed Beheshti University of Medical Sciences  |
| **PROFESSIONAL POSITIONS AND EMPLOYMENT** 2005-Present: Lecturer and research scientist at Tabriz University of Medical Sciences, Department of Physiology 2004-2005: Visiting scientist, Dep of psychology, University of British Columbia, Vancouver, Canada 2002-2004: PhD thesis, Measurement of testosterone and its metabolites in CA1 region of hippocampus in intact and castrated male adult rats before and after spatial learning. Pasteur institute of Iran, Tehran/Iran 1998-1999: MSc thesis, Evaluation of the effect of nicotine on sniffing induced by dopaminergic receptor stimulation. Dep Pharmacology, Tehran University of Medical Sciences, Tehran/Iran 1993-1996: RN (ICU, Shohadaye Tajrish Hospital)  |
| **PROFESSIONAL MEMBERSHIPS** Since 2002 International Brain Research Organization (IBRO) Since 2003 Iranian Society of Physiology and Pharmacology Reviewer of European Journal of pharmacology Reviewer of J of Advanced Pharmaceutical BulletinReviewer of the journal of Pharmaceutical SciencesPeriodical reviewer of Journal of Anesthesiology and Pain MedicinePeriodical reviewer of Journal of Avicenna Journal of Phytomedicine Periodical reviewer of Journal of neuroinflammationPeriodical reviewer of Journal of Physiology and behaviorPeriodical reviewer of Journal of neuropeptideEditorial board of JARCM (Journal of Analytical Research in Clinical Medicine)Editorial board of Arvin (student research committee journal)Member of the steering committee of basic research  |
| **HONORS AND AWARDS** Recognized professor of 2015Top researcher of 2010 due to number of publications Scholarship for PhD from faculty of medicine 2002, Tabriz University of Medical Sciences Scholarship from ministry of health 2004 for six months at the University of British Columbia (UBC)  |
| **TEACHING** Lectures and courses in the endocrine physiology Lectures and courses in the neurophysiology Lectures and courses in the neurobiologyLectures and courses in cardiovascular physiologySupervising of MSc and PhD graduate students |
| **PUBLICATIONS** 1. Zarrindast MR, Mohaddess G, Rezvani-Pour M. Effect of nicotine on sniffing induced by dopaminergic receptor stimulation. *Eur Neuropsychopharmacol*, 2000; 10(5):397-400.
2. Naghdi N, Mohaddes G, Khamnei S, Khadjuie K. The Effects Of Testosterone Administration Or Depletion On Spatial Learning In Adult Male Rats. *The Internet Journal of Neurology TM*, 2005; 5(1).
3. Naghdi N, Mohaddess G, Khamnei S and Arjomand M. No Significant Difference Between Intact and Testosterone Depleted or Administrated Male Rats in Spatial Learning and Memory. *Iranian Journal of Pharmaceutical Research*, 2005; 1: 29-32.
4. Redila VA, Olson AK, Swann SE, Mohades G, Webber AJ, Weinberg J, Christie BR. Hippocampal Cell Proliferation Is Reduced Following Prenatal Ethanol Exposure But Can Be Rescued With Voluntary Exercise. *Hippocampus*, 2006; 16(3): 305-11.
5. Rasi S, Mohaddes G, Naghdi N, Ilkhani Pour M, Hajali V. Evaluation of the effect of peripheral injection of leptin on spatial memory. *The Internet Journal of Neurology TM*, 2007; 8(2).
6. Haj-Ali V, Mohaddes G, Babri Sh. Effects of intracerebroventricular injection of different doses of insulin on spatial memory in healthy male Wistar rats. *Pharmaceutical Sciences*, 2008; 1: 33-4. (Article in Persian).
7. Rasi S, Mohaddes G, Ilkhani Pour M., Naghdi N. Leptin Improves Spatial Memory. *Pharmaceutical Sciences*, 2008; 4: 67-74. (Article in Persian).
8. Babri Sh, Raeisi P, Alaei H, Sharifi MR, Mohaddes G. Effect of forced treadmill exercise on long-term potentiation (LTP) in the dentate gyrus of hippocampus in male rats. *Physiology and Pharmacology*, 2008; 12(1): 39 – 45. (Article in Persian).
9. Reisi P, Babri S, Alaei H, Sharifi MR, Mohaddes G, Lashgari R. Effects of treadmill running on short-term pre-synaptic plasticity at dentate gyrus of streptozotocin-induced diabetic rats. *Brain Research*, 2008; 23(1211):30-6.
10. Afshin S, Mohammadi M, Vatankhah AM, Alvandian E, Badalzadeh R, Mohaddes G, Rashidi B. Effect of Treadmill Exercise and Diosgenin on Biochemical Alterations in Isoproterenol-Induced Myocardial Infarction in Rats. *Pharmaceutical Sciences*, 2009; 15(1): 23- 30. (Article in Persian).
11. Mohaddes G, Naghdi N, Khamnei S, Khatami S, Haeri A. Effect of spatial learning on hippocampal testosterone in intact and castrated male rats. *Iranian Biomedical Journal*, 2009; 13(1):49-58.
12. Reisi P, Alaei H, Babri S, Sharifi MR, Mohaddes G, Soleimannejad E. Determination of the extracellular basal levels of glutamate and GABA at dentate gyrus of streptozotocin-induced diabetic rats. *Pathophysiology*, 2009; 16(1):63-6.
13. Reisi P, Alaei H, Babri S, Sharifi MR, Mohaddes G. Effects of treadmill running on spatial learning and memory in streptozotocin-induced diabetic rats. *Neuroscience Letters*, 2009; 455(2):79-83.
14. Mohaddes G, Rasi S, Naghdi N. Evaluation of the effect of intrahippocampal injection of leptin on spatial memory. *African Journal of Pharmacy and Pharmacology*, 2009; 3(9): 443-448.
15. Haj-ali V, Mohaddes G, and Babri SH. Intracerebroventricular Insulin Improves Spatial Learning and Memory in Male Wistar Rats. *Behavioral Neuroscience*, 2009; 123(6): 1309–1314.
16. Reisi P, Babri S, Alaei H, Sharifi MR, Mohaddes G, Noorbakhsh SM, Lashgari R. Treadmill running improves long-term potentiation (LTP) defects in streptozotocin-induced diabetes at dentate gyrus in rats. *Pathophysiology*, 2010; 17(1):33-38.
17. Afshin S, Mohammadi M, Soleimani J, Rashidi B, Mohaddes G. Preventive Effect of Exercise on Lipid Peroxidation and Histopathological Changes in Isoproterenol-Induced myocardial infarction in Male Rats. *Pharmaceutical Sciences*, 2010; 16(2): 67-72. (Article in Persian).
18. Alipour MR, Feizi H, Mohaddes G, Keyhanmanesh R, Khamnei S, Ansarin Kh, Ebrahimi H. Effect of exogenous ghrelin on body weight and hematocrit of male adult rats in chronic Hypoxia. *International Journal of Endocrinology and Metabolism*, 2010; 8(4):201-205.
19. Reisi P, Alaei H, Babri Sh, Sharifi MR, Mohaddes G, Soleimannejad E, Rashidi B. Effects of treadmill running on extracellular basal levels of glutamate and GABA at dentate gyrus of streptozotocin-induced diabetic rats. *Journal of Research in Medical Sciences*, 2010; 15(3): 172-174.
20. Mohaddes G, Ebrahimi H, Nikkar E, Hasani Azami S, Babri Sh. The effect of chronic oral administration of loganin on spatial memory in diabetic male rats. *Pharmaceutical Sciences*, 2011; 17(3): 201 – 208. (Article in Persian).
21. Afshin S, Mohammadi M, Mohaddes G, Badalzadeh R. Protective Effect of Diosgenin and Exercise Training on Biochemical and ECG Alteration in Isoproterenol- Induced Myocardial Infarction in Rats. *Iranian Journal of Basic Medical Sciences*, 2011; 14(3): 264-274.
22. Ghahramanian Golzar M, Ataei Z, Babri Sh, Ebrahimi H, Mirzaie F, Mohaddes G. Effect of acute and chronic intrahippocampal microinjection of ghrelin on pentylenetetrazole-induced seizures in rats. *Pharmaceutical Sciences*, 2011; 17(1): 11-18. (Article in Persian).
23. Ataie Z, Golzar MG, Babri Sh, Ebrahimi H, Mohaddes G. Does ghrelin level change after epileptic seizure in rats? *Seizure*, 2011; 20: 347–349.
24. Mahmoudi F, Mirzaei F, Babri Sh, Mohaddes G. Effect of ghrelin intrahippocampal injection on spatial memory in intact male rats. *Pharmaceutical Sciences*, 2011; 17(1): 49 – 56. (Article in Persian).
25. Mohaddes G, Hasani Azami S, Babri Sh, Nikkar E, Ebrahimi H. The effect of loganin on passive avoidance learning in diabetic male rats. *Pharmaceutical Sciences*, 2012; 17(4): 219 -224. (Article in Persian).
26. Babri Sh, Amani M, Mohaddes G, Alihemmati A, Ebrahimi H. Effect of Aggregated β-amyloid (1-42) on Synaptic Plasticity of Hippocampal Dentate Gyrus Granule Cells in Vivo. *Bioimpacts*, 2012; 2(4): 189–194.
27. Babri Sh, Amani M, Mohaddes G, Alihemmati A, Ebrahimi H. Protective effects of Troxerutin on beta-amyloid (1-42) induced spatial learning and memory impairment in rats. *Neurophysiology*, 2012; 44 (5): 387-393.
28. Babri Sh, Mohaddes G, Alipour MR, Ebrahimi H, Hossenzadeh F. Effects of ghrelin on plasma glucose levels, body weight and hematocrit in acute and chronic systemic hypoxia in adult male rats. *Iranian Journal of Endocrinology and Metabolism*, 2013, 15(1): 100-106. (Article in Persian).
29. Hossienzadeh F, Babri S, Alipour MR, Ebrahimi H, Mohaddes G. Effect of ghrelin on brain edema induced by acute and chronic systemic hypoxia. *Neuroscience Letters*, 2013; 534:47-51.
30. Babri Sh, Amani M, Mohaddes G, Mirzaei F, Mahmoudi F. Effects of intrahippocampal injection of ghrelin on spatial memory in PTZ-induced seizures in male rats. *Neuropeptides*, 2013, 47 (5), 355-360.
31. Babri Sh, Hasani Azami S, Mohaddes G. Effect of Acute Administration of loganin on Spatial Memory in Diabetic Male Rats. *Advanced Pharmaceutical Bulletin*, 2013, 3(1), 91-95.
32. Ghahramanian Golzar M, Babri Sh, Ataie Z, Ebrahimi H, Mirzaie F, Mohaddes G. NPY Receptors Blockade Prevents Anticonvulsant Action of Ghrelin in the Hippocampus of Rat. *Advanced Pharmaceutical Bulletin*, 2013, 3(2), 265-271.
33. Ataie Z, Babri Sh, Ghahramanian Golzar M, Ebrahimi H, Mirzaie F, Mohaddes G. GABAB Receptor Blockade Prevents Antiepileptic Action of Ghrelin in the Rat Hippocampus. *Advanced Pharmaceutical Bulletin*, 2013, 3(2), 353-358.
34. Ghiasi R, Ghadiri Soufi F, Mohaddes G, Somi MH, Ebrahimi H, Alihemmati A, Mirzaie Bavil F, Alipour MR. Effects of regular swimming on WBC profile, inflammatory mediators and histopathology of pancreatic tissue of high fat-induced diabetes in adult male rats. *Bulletin of Environment Pharmacology Life Science*, 2014, 3(10): 14-20.
35. Mohaddes G, Khalili P, Mirzaie F. Effect of simultaneous administration of Felodipine with CCPA (A1 adenosine receptor agonist) or SCH58261 (A2A Adenosine receptor antagonist) on morphine withdrawal syndrome. [*Journal of Babol University of Medical Sciences*, 2014; 16(11): 28-35](http://www.jbums.org/browse.php?mag_id=424&slc_lang=en&sid=1). (Article in Persian).
36. Babri Sh, Mohaddes G, Feizi I, Mohammadnia A, Niapour A, Alihemmati A, Amani A. Effect of Troxerutin on synaptic plasticity of hippocampal dentate gyrus neurons in a β-amyloid model of Alzheimer's disease: An electrophysiological study. *European Journal of Pharmacology*, 2014; 732, 19–25.
37. Mirzaie Bavil F, Mohaddes G, Ebrahimi H, Keyhanmanesh R, Ghiyasi R, Alipour MR. Ghrelin Increases Lymphocytes in Chronic Normobaric Hypoxia. *Advanced Pharmaceutical Bulletin*, 2014; 4 (4), 339-43.
38. [Mosaferi B](http://www.ncbi.nlm.nih.gov/pubmed/?term=Mosaferi%20B%5BAuthor%5D&cauthor=true&cauthor_uid=25666307), [Babri S](http://www.ncbi.nlm.nih.gov/pubmed/?term=Babri%20S%5BAuthor%5D&cauthor=true&cauthor_uid=25666307), [Ebrahimi H](http://www.ncbi.nlm.nih.gov/pubmed/?term=Ebrahimi%20H%5BAuthor%5D&cauthor=true&cauthor_uid=25666307), [Mohaddes G](http://www.ncbi.nlm.nih.gov/pubmed/?term=Mohaddes%20G%5BAuthor%5D&cauthor=true&cauthor_uid=25666307). Enduring effects of post-weaning rearing condition on depressive- and anxiety-like behaviors and motor activity in male rats. [*Physiology and Behavior*,](http://www.ncbi.nlm.nih.gov/pubmed/25666307) 2015; 142:131-6.
39. Mohaddes G, Abdolalizadeh J, Babri S, Abedini N, Hossienzadeh F. [The Anti-Edematous Effect of Ghrelin in Brain Hypoxia is Associated with Decreasing Expression of Vascular Endothelial Growth Factor](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=krq7c7oAAAAJ&sortby=pubdate&citation_for_view=krq7c7oAAAAJ:k_IJM867U9cC). *Journal of Molecular Neuroscience*, 2015; 56 (2), 273-277.
40. Babri Sh, Mehrvash F, Mohaddes G, Hatami H, Mirzaei F. Effect of intrahippocampal administration of vitamin C and progesterone on learning in a model of multiple sclerosis in rats. *Advanced Pharmaceutical Bulletin*, 2015; 5(1): 83-87.
41. Naderi R, Mohaddes G, Mohammadi M, Ghaznavi R, Ghyasi R, Vatankhah AM. Voluntary Exercise Protects Heart from Oxidative Stress in Diabetic Rats. *Advanced Pharmaceutical Bulletin*, 2015; 5(2): 231–236.
42. Omrani H, Alipour MR, Mohaddes G. Ghrelin Improves Antioxidant Defense in Blood and Brain in Normobaric Hypoxia in Adult Male Rats. *Advanced Pharmaceutical Bulletin*, 2015; 5(2):283-288.
43. [Mosaferi B](http://www.ncbi.nlm.nih.gov/pubmed/?term=Mosaferi%20B%5BAuthor%5D&cauthor=true&cauthor_uid=26291061), [Babri S](http://www.ncbi.nlm.nih.gov/pubmed/?term=Babri%20S%5BAuthor%5D&cauthor=true&cauthor_uid=26291061), [Mohaddes G](http://www.ncbi.nlm.nih.gov/pubmed/?term=Mohaddes%20G%5BAuthor%5D&cauthor=true&cauthor_uid=26291061), [Khamnei S](http://www.ncbi.nlm.nih.gov/pubmed/?term=Khamnei%20S%5BAuthor%5D&cauthor=true&cauthor_uid=26291061), [Mesgari M](http://www.ncbi.nlm.nih.gov/pubmed/?term=Mesgari%20M%5BAuthor%5D&cauthor=true&cauthor_uid=26291061). Post-weaning environmental enrichment improves BDNF response of adult male rats. [*International Journal of Developmental Neuroscience*](http://www.ncbi.nlm.nih.gov/pubmed/26291061), 2015; 46:108-14.
44. Mirzaei Bavil F, Alipour MR, Keyhanmanesh R, Alihemmati A, Ghiyasi R, Mohaddes G. Ghrelin decreases Angiogenesis, HIF-1α and VEGF Protein Levels in Chronic Hypoxia in Lung Tissue of Male Rats. *Advanced Pharmaceutical Bulletin*, 2015; 5(3):315-320.
45. Ghiasi R, Ghadiri Soufi F, Somi MH, Mohaddes G, Mirzaie Bavil F, Naderi R, Alipour MR. Swim Training Improves HOMA-IR in Type 2 Diabetes Induced by High Fat Diet and Low Dose of Streptozotocin in Male Rats. *Advanced Pharmaceutical Bulletin*, 2015, 5(3): 379-384.
46. Naderi R, Mohaddes G, Mohammadi M, Alihemmati A, Badalzadeh R, Ghaznavi R, Ghiasi R, Mohammadi Sh. [Preventive effects of garlic (Allium sativum) on oxidative stress and histopathology of cardiac tissue in streptozotocin-induced diabetic rats](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=krq7c7oAAAAJ&sortby=pubdate&citation_for_view=krq7c7oAAAAJ:O3NaXMp0MMsC). *Acta Physiologica Hungarica*, 2015, 102 (4), 380-390.
47. Ebrahimzadeh M, Shahabi P, Mohaddes G, Babri Sh, Mohammadi M, Moslem A, Mohammad-zadeh M. [Effect of Testosterone on Memory and BDNF Levels of Hippocampus in Gonadectomized Diabetic Rats](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=krq7c7oAAAAJ&cstart=40&sortby=pubdate&citation_for_view=krq7c7oAAAAJ:lSLTfruPkqcC). [*Biosciences Biotechnology Research Asia*](https://www.researchgate.net/journal/0973-1245_Biosciences_Biotechnology_Research_Asia), 2015, 12(3):2433-2440.
48. Ghorbanzadeh V, Mohammadi M, Dariushnejad H, Chodari L, Mohaddes G. Effects of Crocin and Voluntary Exercise, Alone or Combined, on Heart VEGF-A and HOMA-IR of HFD/STZ Induced type 2 diabetic Rats. *Journal of Endocrinological Investigation*, 2016, DOI:[10.1007/s40618-016-0456-2](http://dx.doi.org/10.1007/s40618-016-0456-2)
49. Chodari L, Mohammadi M, Ghorbanzadeh V, Dariushnejad H, Mohaddes G. Testosterone and voluntary exercise promote angiogenesis in heart of diabetic rats by enhancing expression of VEGF-A and SDF-1a. *J Canadian J of Diabetes*, DOI: <http://dx.doi.org/10.1016/j.jcjd.2016.03.004>.
50. Farzad Salehpour,Seyed Hossein Rasta,Gisou Mohaddes, Saeed Sadigh-Eteghad, Sima Salarirad. Therapeutic Effects of 10-HzPulsed Wave Lasers in Rat Depression Model: A Comparison Between Near-Infrared and Red Wavelengths. *Lasers in Surgery and Medicine*, 2016, 48:695–705. DOI: 10.1002/lsm.22542.
51. Farajdokht F, Babri Sh, Karimi P, Mohaddes G. Ghrelin attenuates hyperalgesia and light aversion-induced by nitroglycerin in male rats. *Neuroscience letters*, 2016, 360: 30-37. [http://dx.doi.org/doi:10.1016/j.neulet.2016.07.026](http://dx.doi.org/doi%3A10.1016/j.neulet.2016.07.026).
52. Shabnam-sadat Seyedi Tabari, Shirin Babri, Fariba Mirzaie, Fereshteh Farajdokht, Gisou Mohaddes. Enduring amnesia induced by ICV scopolamine is reversed by sesame oil in male rats. *Acta Cirúrgica Brasileira*, 2016, 31 (8): 520-6.
53. Ghiasi R, Ghadiri Soufi F, Mohaddes G, Alihemmati A, Somi M, Ebrahimi H, Mirzaie Bavil F, Alipour MR. Influence of regular swimming on serum levels of CRP, IL-6, TNF- in high fat-induced type 2 diabetic rats. [*General Physiology and Biophysics*](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0ahUKEwjp8bDp5aHLAhWl_nIKHdkUAQ4QFggcMAA&url=http%3A%2F%2Fwww.gpb.sav.sk%2F&usg=AFQjCNFdHFE0oSsRAHlcD5lB_t4DWdgvUQ&sig2=HRNEf6HmwaiTZ1gqLN9MhA&bvm=bv.115339255,d.bGQ), 2016, 35(4):469-476
54. Azizzadeh F, Mahmoudi J, Sadigh-Eteghad S, Farajdokht F, Mohaddes G. Ghrelin exerts analgesic effects through modulation of IL-10 and TGF-β levels in rat model of inflammatory pain. *Iranian Biomedical Journal*. [online].ahead print.
55. Chodari L, Mohammadi M, Mohaddes G, Alipour MR, Ghorbanzade V, Dariushnejad H, Mohammadi Sh.Testosterone and voluntary exercise, alone or together increase cardiac activation of AKT and ERK1/2 in diabetic rats. *Arquivos Brasileiros de Cardiologia*. 2016, [online].ahead print.
56. Farajdokht F, Babri Sh, Karimi P, Alipour MR, Bughchechi R, Mohaddes G. Chronic ghrelin treatment reduced photophobia and anxiety-like behaviors in NTG- induced migraine: Role of pituitary adenylate cyclase-activating polypeptide. European J of Neuroscience, 2016 Accepted.

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| **RESEARCH INTERESTS**Behavioral neuroscience Memory consolidation and its molecular basis Endocrinology and signalingNeurodegenerative diseasesCognitive diseases molecular basis Neurogenesis Epilepsy and its molecular basis |