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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](mailto: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 Bulletin  Reviewer of the journal of Pharmaceutical Sciences  Periodical reviewer of Journal of Anesthesiology and Pain Medicine  Periodical reviewer of Journal of Avicenna Journal of Phytomedicine  Periodical reviewer of Journal of neuroinflammation  Periodical reviewer of Journal of Physiology and behavior  Periodical reviewer of Journal of neuropeptide  Editorial 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 2015  Top 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 neurobiology  Lectures and courses in cardiovascular physiology  Supervising 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. 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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. 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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. 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[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. 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[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>. 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. | |
| **RESEARCH INTERESTS**  Behavioral neuroscience  Memory consolidation and its molecular basis  Endocrinology and signaling  Neurodegenerative diseases  Cognitive diseases molecular basis  Neurogenesis  Epilepsy and its molecular basis | |