



Physiology and Pharmacology Department

Pasteur Institute of Iran

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ACADEMIC AND RESEARCH EXPERIENCE

BAc. Nursing, Iran University of Medical Sciences	1999-2003
MSc., Physiology, Tabriz University of Medical Sciences	2003-2006
Ph.D., Physiology, Shahid Beheshti University of Medical Sciences	2008- 2013
Faculty member in Pasteur Institute	2014

SCIENTIFIC INTERESTS:

- Electrophysiology (Whole-cell Patch-Clamp Recording, Field Potential recording, Single Unit recording)
- Calcium Imaging
- Cell lines and primary Culture, Stem Cell, Transgenic Animal Model, Plasmid preparation.
- PCR, RT-PCR, Western Blot, Co-Immunoprecipitation,
- Behavioral Tests
- Identification of virus-mediated ion channel alterations and effects of ion channel drugs on microbial neuropathology.

MEMBERSHIP OF SCIENTIFIC SOCIETIES:

- International Brain Research Organization (IBRO)
- Society for Neurosciences (SfN)
- Iranian Society of Physiology and Pharmacology (ISPP)
- Iranian Neuroscience Society

DISTINCTIONS:

- Best Researcher Award, Pasteur Institute of Iran, January 2020
- Travel award to attend Society for Neuroscience Meeting, Chicago, USA, 2015.
- Travel award to attend IBRO-APRC Advanced School in Neuroscience, Beijing, China 2011.
- Awarded a scholarship by the Ministry of Health and Medical Education, 2011-2012

- Top Student, Ph.D of Physiology, 2012
- Fifth Ranked in PhD Exam, Ministry of Health & Medical Education (2008).
- Top Student, MSc of Physiology, 2006

TECHNICAL EXPERIENCES:

- Theoretical and Practical Knowledge in Whole Cell Patch Clamp (Current Clamp and Voltage Clamp including Evoked & Spontaneous Excitatory/Inhibitory Postsynaptic Currents, Calcium and Potassium Channel Recordings as well as Active and Passive Membrane Properties.
- Patch clamp on cell line (HEK293, NG108) and primary hippocampal and cortical cells.
- Plasmid preparation, mutagenesis and PCR
- Protein extraction, co-immunoprecipitation and western blot
- Preparation of primary cultures and cell lines, use of viral vector for gene transfer
- Theoretical and Practical Knowledge in field potential recording
- Slice Preparation of Hippocampus and Hypothalamus
- Animal Surgery including brain stereotactic surgery in rats
- Behavioral Test on Passive Avoidance Learning by Shuttle Box
- Behavioral Test on Motor Activity and Locomotion by Rota-Rod
- Behavioral Test on Spatial Memory by Morris Water Maze(Reference, Reversal and Working Memory)
- Behavioral Test on Anxiety by Plus Maze
- Behavioral Test on Fear Conditioning
- Photothrombotic model of stroke

PEER REVIEWED JOURNAL PUBLICATIONS

1. Nayereh Rezaie Rahimi, Mohammad Hoseini, Hasan Hashemi, Aboolfazl Azhdarpoor, **Hamid Gholami Pourbadie**, Mansooreh Dehghani, Mahdi Rohani. Determination of the ability of native potential probiotic lactobacillus strains in nanoplastic bioremoval in an in-vitro Model. Ecotoxicology and Environmental Safety, 2025
2. Fatemeh Sayehmiri, Mohsen Ilkhanizadeh-Qomi, Nima Naderi, Arnaud Monteil, Mohammad Sayyah, Leila Hasanzadeh, Majid Golkar, **Hamid Gholami Pourbadie***. Cannabidiol Enhances Stress-Induced Cellular Damage: Potential Contribution of Kv2. 1 Inhibition. Journal of Molecular Neuroscience, 2025
3. Bahar Khoshkroodian, Hanieh Javid, **Hamid Gholami Pourbadie**, Mohammad Sayyah. Toll-Like Receptor 1/2 Postconditioning by the Ligand Pam3cys Tempers Posttraumatic Hyperexcitability, Neuroinflammation, and Microglial Response: A Potential Candidate for Posttraumatic Epilepsy. Inflammation, 2025
4. Soudabeh Naderi, Fariba Khodaghali, Mahyar Janahmadi, Fereshteh Motamedi, Abolfazl Torabi, Zehra Batool, Mahshad Fadaeimoghadam Heydarabadi, **Hamid Gholami Pourbadie***. Ferroptosis and cognitive impairment: Unraveling the link and potential therapeutic targets. Neuropharmacology, 2025
5. Tajmah Mombeini, **Hamid Gholami Pourbadie**, Mohammad Kamalinejad, Ahmad Reza Dehpour, Soroush Mazloumi, Reza Hamidian. Effect of Alcea aucheri (Bioss.) Alef extract against scopolamine-induced memory impairment in rats. Behavioural Pharmacology, 2025

6. Roya Varmazyar, Nima Naderi, Hanieh Javid, Rasoul Ghasemi, **Hamid Gholami Pourbadie***. Neuroprotective Effects of Early TLR4 Blockade with Compound C34 in Temporal Lobe Epilepsy: Alleviation of Neuroinflammation and Apoptosis. Iran J Pharm Res., 2025
7. Maryam Hooshmand, Mohammad Reza Sadeghi, Ahmad Asoodeh, **Hamid Gholami Pourbadie**, Mahbobeh Kamrani Mehni, Mohamad Sayyah. Administration of monophosphoryl lipid A shortly after traumatic brain injury blocks the following spatial and avoidance memory loss and neuroinflammation. Scientific Reports, 2024
8. Hoda Shamsnajafabadi, Zahra-Soheila Soheili, Mehdi Sadeghi, Shahram Samiee, Pouria Ghasemi, Mohammad Ismail Zibaii, **Hamid Gholami Pourbadie**, Hamid Ahmadi, Ehsan Ranaei Pirmardan, Najmeh Salehi, Dorsa Samiee, Ali Kashanian. Engineered red Opto-mGluR6 Opsins, a red-shifted optogenetic excitation tool, an in vitro study. PLoS One, 2024
9. Younes Yassaghi, Yasaman Nazerian, Mobina Ghasemi, Amirhossein Nazerian, Fatemeh Sayehmiri, George Perry, **Hamid Gholami Pourbadie***. Microglial modulation as a therapeutic strategy in Alzheimer's disease: Focus on microglial preconditioning approaches. Journal of cellular and molecular medicine, 2024
10. Fatemeh Sayehmiri, Fereshteh Motamedi, Zehra Batool, Nima Naderi, Fatima Shaerzadeh, Anahita Zoghi, Omidvar Rezaei, Fariba Khodagholi, **Hamid Gholami Pourbadie***. Mitochondrial plasticity and synaptic plasticity crosstalk; in health and Alzheimer's disease. CNS neuroscience & therapeutics, 2024
11. Shayan Aliakbari, Leila Hasanzadeh, Mohammad Sayyah, Niloufar Amini, **Hamid Gholami Pourbadie***. Induced expression of rabies glycoprotein in the dorsal hippocampus enhances hippocampal dependent memory in a rat model of Alzheimer's disease. Journal of NeuroVirology. 2024
12. Soudabeh Naderi, Fereshteh Motamedi, **Hamid Gholami Pourbadie**, Shahrbanoo Rafiei, Fariba Khodagholi, Nima Naderi, Mahyar Janahmadi. Neuroprotective Effects of Ferostatin and Necrostatin Against Entorhinal Amyloidopathy-Induced Electrophysiological Alterations Mediated by voltage-gated Ca²⁺ Channels in the Dentate Gyrus Granular Cells. Neurochemical Research. 2024
13. Shokufeh Beglari, Fariba Khodagholi, **Hamid Gholami Pourbadie**, Alireza Iranbakhsh, Mahdi Rohani. Biosorption and bioaccumulation of nickel by probiotic lactic acid bacteria isolated from human feces. Bioremediation Journal. 2023
14. Mozhddeh Radpour, Bahar Khoshkroodian, Tara Asgari, **Hamid Gholami Pourbadie**, Mohammad Sayyah. Interleukin 4 Reduces Brain Hyperexcitability after Traumatic Injury by Downregulating TNF- α , Upregulating IL-10/TGF- β , and Potential Directing Macrophage/Microglia to the M2 Anti-inflammatory Phenotype. Inflammation. 2023
15. Shahrbanoo Rafiei, Fariba Khodagholi, **Hamid Gholami Pourbadie**, Leila Dargahi, Fereshteh Motamedi. Hepatic Acyl CoA Oxidase1 Inhibition Modifies Brain Lipids and Electrical Properties of Dentate Gyrus. Basic and Clinical Neuroscience. 2023
16. Sogol Atabaki-Mehr, Saeed Airian, **Hamid Gholami Pourbadie**. Estradiol preserves synapse-related proteins against oligomeric amyloid beta in the hippocampal cultured cells: possible involvement of protein kinase M zeta. Physiology and Pharmacology. 2023
17. Samira Choopani, Bahereh Kiani, Shayan Aliakbari, Jalal Babaie, Majid Golkar, **Hamid Gholami Pourbadie**, Mohammad Sayyah. Latent toxoplasmosis impairs learning and memory yet strengthens short-term and long-term hippocampal synaptic plasticity at perforant pathway-dentate gyrus, and Schaffer collaterals-CA1 synapses. Scientific Reports. 2023
18. Soudabeh Naderi, Fariba Khodagholi, **Hamid Gholami Pourbadie**, Nima Naderi, Shahrbanoo Rafiei, Mahyar Janahmadi, Fatemeh Sayehmiri, Fereshteh Motamedi. Role of amyloid beta (25– 35)

- neurotoxicity in the ferroptosis and necroptosis as modalities of regulated cell death in Alzheimer's disease. *Neurotoxicology*. 2023
19. Mozhddeh Radpour, Samira Choopani, **Hamid Gholami Pourbadie**, Mohammad Sayyah*. Activating toll-like receptor 4 after traumatic brain injury inhibits neuroinflammation and the accelerated development of seizures in rats. *Experimental Neurology*. 2022
 20. Fatemeh Sayehmiri, Fariba Khodagholi, Hamid Gholami Pourbadie, Nima Naderi, Faezeh Aliakbarzadeh, Reza Hashemi, Soudabeh Naderi, Fereshteh Motamedi. Phosphonate analog of 2-oxoglutarate regulates glutamate-glutamine homeostasis and counteracts amyloid beta induced learning and memory deficits in rats. *Experimental Gerontology*. 2022
 21. Soheil Ghassemi, Tara Asgari, Hadi Mirzapour-Delavar, Shayan Aliakbari, **Hamid Gholami Pourbadie***, Christophe Prehaud, Monique Lafon, Alireza Gholami, Kayhan Azadmanesh, Nima Naderi, Mohammad Sayyah*. Lentiviral Expression of Rabies Virus Glycoprotein in the Rat Hippocampus Strengthens Synaptic Plasticity. *Cellular and Molecular Neurobiology*. 2022
 22. Shokufeh Beglari, Fariba Khodagholi, **Hamid Gholami Pourbadie**, Alireza Iranbakhsh, Mahdi Rohani*. Biosorption and bioaccumulation of nickel by probiotic lactic acid bacteria isolated from human feces. *Bioremediation Journal*. 2022
 23. Soheil Ghassemi, **Hamid Gholami Pourbadie***, Christophe Prehaud, Monique Lafon, Mohammad Sayyah. Role of the glycoprotein thorns in anxious effects of rabies virus: Evidence from an animal study. *Brain Research Bulletin*. 2022
 24. Arezou Lari, **Hamid Gholami Pourbadie***, Ali Sharifi-Zarchi, Maryam Akhtari, Leila Nejatbakhsh Samimi, Ahmadreza Jamshidi, Mahdi Mahmoudi Dysregulation of ribosome-related genes in ankylosing spondylitis: a systems biology approach and experimental method. *BMC musculoskeletal disorders*. 2021
 25. Faezeh Poursaleman, Hamid Zand, **Hamid Gholami Pourbadie**, Hadi Monji, Katayoun Pourvali. Anti-mullerian hormone attenuates insulin resistance and systemic inflammation in old obese C57BL/6 male mice. *Journal of Diabetes & Metabolic Disorders*. 2021
 26. Shayan Aliakbari, Mohammad Sayyah, Hadi Mirzapourdelavar, Niloufar Amini, Naser Naghdi, **Hamid Gholami Pourbadie***. Overexpression of protein kinase M ζ in the hippocampal dentate gyrus rescues amyloid- β -induced synaptic dysfunction within entorhinal-hippocampal circuit. *Neurobiology of Aging*. 2021
 27. Hoda Shams Najafabadi, Mehdi Sadeghi, Mohammad I Zibaii, Zahra-Soheila Soheili, Shahram Samiee, Pouria Ghasemi, Mohammad Hosseini, **Hamid Gholami Pourbadie**, Hamid Ahmadieh, Sepideh Taghizadeh, Ehsan Ranaei Pirmardan. Optogenetic control of neural differentiation in Opto-mGluR6 engineered retinal pigment epithelial cell line and mesenchymal stem cells. *Journal of cellular biochemistry*. 2021
 28. Soheil Ghassemi, Tara Asgari, **Hamid Gholami Pourbadie***, Christophe Prehaud, Monique Lafon, Nima Naderi, Alireza Gholami, Kayhan Azadmanesh, Mohammad Sayyah*. Rabies virus glycoprotein enhances spatial memory via the PDZ binding motif. *Journal of NeuroVirology*. 2021
 29. Behrouz Vaziri Fatemeh Zandi, Vahid Khalaj, Fatemeh Goshadrou, Anna Meyfour, Alireza Gholami, Somayeh Enayati, Mahsa Mehranfar, Saman Rahmati, Elmira Vadaye Kheiri, Hamid Gholamipour Badie. Rabies virus matrix protein targets host actin cytoskeleton: a protein-protein interaction analysis. *Pathogens and Disease*. 2021
 30. Soheil Ghassemi, Tara Asgari, Hadi Mirzapour-Delavar, Shayan Aliakbari, Hamid Gholami Pourbadie, Christophe Prehaud, Monique Lafon, Alireza Gholami, Kayhan Azadmanesh, Nima Naderi, Mohammad

- Sayyah. Lentiviral Expression of Rabies Virus Glycoprotein in the Rat Hippocampus Strengthens Synaptic Plasticity. *Journal Cellular and Molecular Neurobiology*. 2021
31. Arezou Lari, **Hamid Gholami Pourbadie***, Mohieddin Jafari, Ali Sharifi-Zarchi, Maryam Akhtari, Leila Nejabatbakhsh Samimi, Ahmadreza Jamshidi, Mahdi Mahmoudi*. Downregulation of ITM2A Gene Expression in Macrophages of Patients with Ankylosing Spondylitis. *International Archives of Allergy and Immunology*. 2021
 32. Niloufar Amini, Reza Roosta Azad, Fereshteh Motamedi, Hadi Mirzapour-Delavar, Soheil Ghasemi, Shayan Aliakbari, **Hamid Gholami Pourbadie***. Overexpression of protein kinase M ζ in the hippocampus mitigates Alzheimer's disease-related cognitive deficit in rats. *Journal Brain Research Bulletin*. 2021
 33. Melika Nourbakhsh, Payam Zarrintaj, Seyed Hassan Jafari, Sayed Masoud Hosseini, Shayan Aliakbari, **Hamid Gholami Pourbadie**, Nima Naderi, Mohammad Ismail Zibaii, Saman Seyed Gholizadeh, Joshua D Ramsey, Sabu Thomas, Mehdi Farokhi, Mohammad Reza Saeb. Fabricating an electroactive injectable hydrogel based on pluronic-chitosan/aniline-pentamer containing angiogenic factor for functional repair of the hippocampus ischemia rat ... *Journal Materials Science and Engineering: C*. 2020
 34. Mostafa Farzaneh, Mohammad Sayyah, Hadi Mirzapourdelavar, **Hamid Gholami Pourbadie**, Mohammad I Zibaii, Hamid Latifi. Optogenetic control of perforant pathway kindled seizures by photoinhibition of CA3 after insertion of Jaws into CA3 neuronal cells. *Experimental neurology*. 2020
 35. Mostafa Farzaneh, Mohammad Sayyah, Hamid Reza Eshraghi, Negar Panahi, Hadi Mirzapourdelavar, **Hamid Gholami Pourbadie**. The lentiviral vector pseudotyped by modified rabies glycoprotein does not cause reactive gliosis and neurodegeneration in rat hippocampus. *Iranian biomedical journal*. 2019
 36. Mahshid Hosseinzadeh, **Hamid Gholami Pourbadie***, Fariba Khodagholi, Mahtab Daftari, Nima Naderi, Fereshteh Motamedi. Preconditioning with toll-like receptor agonists attenuates seizure activity and neuronal hyperexcitability in the pilocarpine rat model of epilepsy. *Neuroscience*. 2019
 37. Niloufar Yousefi, Fattah Sotoodehnejadnematalahi, Nooshin Heshmati-Fakhr, Mohammad Sayyah, Masoud Hoseini, Soheil Ghassemi, Shayan Aliakbari, **Hamid Gholami Pourbadie***. Prestimulation of microglia through TLR4 pathway promotes interferon beta expression in a rat model of Alzheimer's disease. *Journal of Molecular Neuroscience*. 2019
 38. Azam Ghanbari-Maman, Forouzan Ghasemian-Roudsari, Shayan Aliakbari, **Hamid Gholami Pourbadie**, Fariba Khodagholi, Fatemeh Shaerzadeh, Mahtab Daftari. Calcium channel blockade ameliorates endoplasmic reticulum stress in the hippocampus induced by amyloidopathy in the entorhinal cortex. *IJPR*. 2019
 39. Azadeh Gholaminejad, **Hamid Gholamipour-Badie**, Mohammad Nasehi, Nasser Naghdi. Prelimbic of medial prefrontal cortex GABA modulation through testosterone on spatial learning and memory. *IJPR*. 2019
 40. Sayed Masoud Hosseini, Alireza Golaghaei, Ehsan Nassireslami, Nima Naderi*, **Hamid Gholami Pourbadie***, Milad Rahimzadegan, Saeid Mohammadi. Neuroprotective effects of lipopolysaccharide and naltrexone co-preconditioning in the photothrombotic model of unilateral selective hippocampal ischemia in rat. *Acta Neurobiol Exp*. 2019
 41. Nooshin Heshmati-Fakhr, Fattah Sotoodehnejadnematalahi, Niloufar Yousefi, Mohammad Sayyah, Sayed Masoud Hosseini, **Hamid Gholami Pourbadie***. Triggering microglia through toll-like receptor 2 pathway induced interferon β expression in cell and animal model of Alzheimer's disease. *Neuroreport*, 2018
 42. SM Hosseini, **HG Pourbadie**, N Naderi. M Sayyah, MI Zibaii. Photothrombotically induced unilateral selective hippocampal ischemia in rat. *J Pharmacol Toxicol Methods*, 2018

43. SM Hosseini, **HG Pourbadie**, M Sayyah, MI Zibaii, N Naderi. Neuroprotective effect of monophosphoryl lipid A, a detoxified lipid A derivative, in photothrombotic model of unilateral selective hippocampal ischemia in rat. Behavioural brain research, 2018
44. S Hesam, B Khoshkholgh-Sima, HG Pourbadie, V Babapour, M Zendedel, M Sayyah. Monophosphoryl Lipid A and Pam3Cys Prevent the Increase in Seizure Susceptibility and Epileptogenesis in Rats Undergoing Traumatic Brain Injury. Neurochemical Research, 2018
45. **HG Pourbadie**, M Sayyah, B Khoshkholgh-Sima, S Choopani, M Nategh, F Motamedi, MA Shokrgozar. Early minor stimulation of microglial TLR2 and TLR4 receptors attenuates Alzheimer's disease-related cognitive deficit in rats: behavioral, molecular, and electrophysiological evidence. Neurobiology of Aging, 2018
46. M Farzaneh, M Sayyah, HR Eshraghi, N Panahi, HM Delavar, **HG Pourbadie**. Transduction efficacy and retrograde movement of a lentiviral vector pseudotyped by modified rabies glycoprotein throughout the trisynaptic circuit of the rat hippocampus. Journal of Gene Medicine, 2018
47. Akram Aboutorabi, Nima Naderi, **Hamid Gholami pourbadie**, Hossein Zolfaghariand and Hossein Vatanpour. The Effects of Buthotus schach Scorpion Venom on Electrophysiological Properties of Magnocellular Neurons of Rat Supraoptic Nucleus. IJPR, 2018
48. **Hamid Gholami Pourbadie** and Mohammad Sayyah, Optogenetics: Control of Brain Using Light. Iran. Biomed. J. 2018
49. Tajmah Mombeini, **Hamid Gholami Pourbadie**, Mohammad Kamalinejad, Soroush Mazloumi and Ahmad Reza Dehpour. Anxiolytic Like and Sedative Effects of Extract of Alcea Aucheri in Animal Model of Rat. IJPR, 2017
50. Hossein Ali Safakhah, Nasroallah Moradi Kor, Atiyeh Bazargani, Ahmad Reza Bandegi, **Hamid Gholami Pourbadie**, Baharak Khoshkholgh-Sima, Ali Ghanbari . Forced exercise attenuates neuropathic pain in chronic constriction injury of male rat: An investigation of oxidative stress and inflammation. Journal of Pain Research, 2017
51. **Hamid Gholami Pourbadie**, Nima Naderi, Hadi Mirzapour Delavar, Mahshid Hosseinzadeh, Nasrin Mehranfard, Fariba Khodagholi, Mahyar Janahmadi, Fereshteh Motamedi .Decrease of high voltage Ca²⁺ currents in the dentate gyrus granule cells by entorhinal amyloidopathy is reversed by calcium channel blockade. European Journal of Pharmacology, 2017
52. Sadegh Azimzadeh Jamalkandi¹, Sayed-Hamidreza Mozhgani, **Hamid Gholami Pourbadie**, Mehdi Mirzaie, Farshid Noorbakhsh, Behrouz Vaziri, Alireza Gholami, Naser Ansari-Pour and Mohieddin Jafari. Systems Biomedicine of Rabies Delineates the Affected Signaling Pathways. Frontiers in Microbiology. 2016, 7.
53. **Hamid Gholami Pourbadie**, Nima Naderi, Mahyar Janahmadi, Nasrin Mehranfard, Fereshteh Motamedi. Calcium channel blockade attenuates abnormal synaptic transmission in the dentate gyrus elicited by entorhinal amyloidopathy. Synapse 2016; 70: 408-417
54. **Hamid Gholami Pourbadie**, Nima Naderi, Hadi Mirzapour Delavar, Mahshid Hosseinzadeh, Nasrin Mehranfard, Fariba Khodagholi, Mahyar Janahmadi, Fereshteh Motamedi. Decrease of high voltage Ca²⁺ currents in the dentate gyrus granule cells by entorhinal amyloidopathy is reversed by calcium channel blockade. Eur. J. Pharmacol. 794 (2017) 154–161.

55. Fatemeh Etemadi, Mohammad Sayyah, **Hamid Gholami Pourbadie**, Vahab Babapour . Facilitation of Hippocampal Kindling and Exacerbation of Kindled Seizures by Intra-CA1 Injection of Quinine: A Possible Role of Cx36 Gap Junctions. Iranian Biomedical Journal, 2016.
56. Fatemeh Etemadi, Mohammad Sayyah, **Hamid Gholami Pourbadie**, Vahab Babapour .Assessment of the Optimal Stimulus Pattern to Achieve Rapid Dorsal Hippocampal Kindling in Rat. Basic and Clinical Neurosci. 2015, 6(2).
57. **Hamid Gholami Pourbadie**, Nima Naderi, Nasrin Mehranfard, Mahyar Janahmadi, Fariba Khodagholi, Fereshteh Motamedi. Preventing effect of L-type calcium channel blockade on electrophysiological alterations in dentate gyrus granule cells induced by entorhinal amyloid pathology. PLoS ONE (2015 Feb 17;10(2)).
58. Fataemeh Etemadi, Mohammad Sayyah, **Hamid Gholami Pourbadie**, Vahab babapour. Assessment of the optimal stimulus pattern to achieve rapid hippocampal kindling in rats. Basic and Clinical Neuroscience (2015).
59. Nasrin Mehranfard, **Hamid Gholamipour-Badie**, Fereshteh Motamedi, Mahyar Janahmadi, Nima Naderi. Long-term increases in BK potassium channel underlie increased action potential firing in dentate granule neurons following pilocarpine-induced status epilepticus in rats. Neuroscience letters. 88–91 (2015)
60. Nasrin Mehranfard, **Hamid Gholamipour-Badie**, Fereshteh Motamedi, Mahyar Janahmadi, Nima Naderi. The effect of paxilline on early alterations of electrophysiological properties of dentate gyrus granule cells in pilocarpine-treated rats. IJPR. 125-132 (2014).
61. Nasrin Mehranfard, **Hamid Gholamipour-Badie**, Fereshteh Motamedi, Mahyar Janahmadi and Nima Naderi. Occurrence of two Types of Granule Cells with Different Excitability in Rat Dentate Gyrus Granule Cell Layer Following Pilocarpine-Induced Status Epilepticus. Annual Research & Review in Biology, (2014).
62. **Hamid GholamipourBadie**, NimaNaderi, Fariba Khodagholi, Fatemeh Shaerzadeh, Fereshteh Motamedi. L-type calcium channel blockade alleviates molecular and reversal spatial learning and memory alterations induced by entorhinal amyloid pathology. Behavioural Brain Research. (2013).
63. Shirin Babri, **Hamid Gholamipour Badie**, Saeed Khamenie and Mehdi Ordikhani Seyedlar. Intrahippocampal Insulin Improves Memory in a Passive-Avoidance Task in Male Wistar Rats. Brain Cogn.64(1):86-91 (2007).
64. Shirin Babri, **Hamid Gholamipour Badie**, Saeed Khamenie,Mehdi Ordikhani Seyedlar and Hadi Ebrahimi. Comparison of Intrahippocampal Insulin Injection on Memory Consolidation in Normal and Diabetic Male Rats. Pharm-Sci. 57-64 (2007).
65. Mehdi Ordikhani-seyedlar, Shirin Babri, **Hamid Gholamipour Badie** and Nahid Ghandchilar. Effect of Intrahippocampal Injection of 17-beta Estradiol on Memory Consolidation in the Female Ovariectomized Rats. Pharm-Sci. 35-42 (2007).

LANGUAGES:

- Persian (Native), English (Satisfactory) , French (Elementary)