

## *Curriculum Vitae*

### ➤ *Personal information*

**Last Name:** Ghaderi

**First Name:** Shahab

**Date of Birth:** 1987/03/20 (1365/12/29)

**Place of Birth:** Kermanshah

**Nationality:** Iranian

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**Google scholar:** <https://scholar.google.com/citations?user=NQZGu8cAAAAJ&hl=en>

### ➤ *Research Experience & Academic Appointment*

#### *Assistant Professor*

*May 2026 – Present*

Department of Neuroscience, School of Advanced Medical Sciences and Technologies, Hamadan University of Medical Sciences, Hamadan, Iran.

#### *Postdoctoral Researcher*

*2025-2026*

Iran National Science Foundation (INSF) & Kermanshah University of Medical Sciences, Kermanshah, Iran. **Research title:** Evaluation of the effects of gentisic acid and treadmill exercise separate and in combination on behavioral, electrophysiological, biochemical, and histological changes in an Alzheimer's disease rat model induced by aluminum chloride.

**Supervisor:** Prof. Mohammad Hosein Farzaei

#### *Research Assistant*

*2016-2018*

Persian Gulf Physiology Research Center, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran. Contributed to **5** funded research projects. Authored/co-authored **6** original research articles published in Q1 journals. Supervisor: Prof. Yaghoob Farbood and Prof. Alireza Sarkaki

## ➤ Education

2019-2024

**Ph.D. in Neuroscience**, Hamadan University of Medical Sciences, Hamadan, Iran. **Thesis title:** Evaluation of the effects of p-coumaric acid on behavioral, electrophysiological, biochemical, and histological changes following traumatic brain injury in male rat. **Supervisor:** Prof. Alireza Komaki.

2011-2013

**M.Sc. in Physiology**, Shahid Chamran University of Ahvaz, Ahvaz, Iran. **Thesis title:** Study of offspring spatial memory following administration of silver nanoparticle during mice gestational period. **Supervisor:** Prof. Seyed Reza Fatemi Tabatabaei.

2008-2010

**B.Sc. in Laboratory Sciences**, Razi University Faculty of Veterinary Medicine, Kermanshah, Iran.

## افتخارات و جوایز ◀

- ۱- برگزیده طرح جهت بنیاد ملی نخبگان (ویژه جذب به عنوان هیأت علمی).
- ۲- جذب گرنت پژوهشی ۴۳۰ میلیون تومانی از بنیاد ملی علم ایران (INSF) در دوره پسا دکتری.
- ۳- برگزیده طرح شهید وزوایی بنیاد ملی نخبگان، ۱۴۰۱-۱۴۰۲.
- ۴- پژوهشگر برجسته وزارت بهداشت (بند ک) با امتیاز ۱۵۵/۵.
- ۵- استعداد درخشان در مقطع دکتری، دانشگاه علوم پزشکی همدان.
- ۶- پژوهشگر برتر استان همدان، ۱۴۰۲ و ۱۴۰۳.
- ۷- کسب عنوان "مقاله برتر سال" در سیزدهمین کنگره علوم اعصاب پایه و بالینی، تهران، ۱۴۰۳.
- ۸- پژوهشگر با مقاله برتر در بخش دانشجویی دانشگاه علوم پزشکی همدان، ۱۴۰۱ و ۱۴۰۳.

۹- پژوهشگر برتر مقطع تحصیلات تکمیلی، دانشگاه علوم پزشکی همدان، ۱۴۰۲.

۱۰- رتبه ۴ آزمون ورودی دکتری علوم اعصاب در وزارت بهداشت، ۱۳۹۸.

۱۱- کسب معدل ۱۹/۰۱ و نمره پایان نامه ۲۰ در مقطع دکتری.

## ➤ **Publications**

1. Shahla Eyvari-Brooshghalan, Rasool Haddadi, Siamak Shahidi, **Shahab Ghaderi**, Masome Rashno, Ali Kalantari, Iraj Salehi, Alireza Komaki, Abdolrahman Sarihi. Acute Treatment with Fucoidan Ameliorates Traumatic Brain Injury-Induced Neurological Damages and Memory Deficits in Rats: Role of BBB Integrity, Microglial Activity, Neuroinflammation, and Oxidative Stress. *Molecular Neurobiology*, (2024), DOI: 10.1007/s12035-024-04668-6. (ISI, Q1, IF: 4.3).
2. **Shahab Ghaderi**, Parsa Gholipour, Samaneh Safari, Seyed Mahdi Sadati, Shahla Eyvari Brooshghalan, Rezvan Sohrabi, Khodabakhsh Rashidi, Alireza Komaki, Iraj Salehi, Abdolrahman Sarihi, Mohammad Zarei, Siamak Shahidi, Masome Rashno. Uncovering the protective potential of vanillic acid against traumatic brain injury-induced cognitive decline in male rats: Insights into underlying mechanisms. *Biomedicine & Pharmacotherapy*, (2024), 179:117405. DOI: 10.1016/j.biopha.2024.117405. (ISI, Q1, Top 10%, IF: 7.5).
3. **Shahab Ghaderi**, Masome Rashno, Shahla Eyvari Brooshghalan, Iraj Salehi, Abdolrahman Sarihi, Siamak Shahidi, Khodabakhsh Rashidi, Rasool Haddadi, Alireza Komaki. p-Coumaric acid reverses spatial cognitive decline in a rat model of traumatic brain injury: Possible underlying mechanisms. *Journal of Functional Foods*, (2024), 120:106381. DOI: 10.1016/j.jff.2024.106381. (ISI, Q1, IF: 4).
4. **Shahab Ghaderi**, Parsa Gholipour, Alireza Komaki, Siamak Shahidi, Faezeh Seif, Mohammad Bahrami-Tapehebur, Iraj Salehi, Mohammad Zarei, Abdolrahman Sarihi, Masome Rashno. Underlying mechanisms behind the neuroprotective effect of vanillic acid against diabetes-associated cognitive decline: An in vivo study in a rat model. *Phytotherapy Research*, (2024). DOI: 10.1002/ptr.8111. (ISI, Q1, Top 10%, IF: 6.3).
5. **Shahab Ghaderi**, Masome Rashno, Alireza Sarkaki, Seyed Esmaeil Khoshnam. Sesamin mitigates lead-induced behavioral deficits in male rats: The role of oxidative

- stress. *Brain Research Bulletin*, (2023), 21:110852. DOI: 10.1016/j.brainresbull.2023.110852. (ISI, Q2, IF: 3.7).
6. Seyed Esmail Khoshnam, Arash Moalemnia, Omid Anbiyae, Maryam Farzaneh, **Shahab Ghaderi**. LncRNA MALAT1 and Ischemic Stroke: Pathogenesis and Opportunities. *Molecular Neurobiology*, (2023), 61(7):4369-80. DOI: 10.1007/s12035-023-03853-3. (ISI, Q1, IF: 4.3).
  7. Sadegh Moradi Vastegani, Ava Nasrolahi, **Shahab Ghaderi**, Rafie Belali, Masome Rashno, Maryam Farzaneh, Seyed Esmail Khoshnam. Mitochondrial Dysfunction and Parkinson's Disease: Pathogenesis and Therapeutic Strategies. *Neurochemical Research*, (2023), 21:1-24. DOI: 10.1007/s11064-023-03904-0. (ISI, Q1, IF: 3.8).
  8. Samaneh Safari, Naser Mirazi, Nesa Ahmadi, Masoumeh Asadbegi, Alireza Nourian, **Shahab Ghaderi**, Masome Rashno, Alireza Komaki. The Protective Effects of Policosanol on Learning and Memory Impairments in a Male Rat Model of Alzheimer's Disease. *Molecular Neurobiology*, (2023), 21:1-3. DOI: 10.1007/s12035-023-03225-x. (ISI, Q1, IF: 4.3).
  9. **Shahab Ghaderi**, Parsa Gholipour, Alireza Komaki, Iraj Salehi, Khodabakhsh Rashidi, Seyed Esmail Khoshnam, Masome Rashno. p-Coumaric acid ameliorates cognitive and non-cognitive disturbances in a rat model of Alzheimer's disease: The role of oxidative stress and inflammation. *International immunopharmacology*, (2022), 112:109295. DOI: 10.1016/j.intimp.2022.109295. (ISI, Q1, IF: 4.7).
  10. Masome Rashno, Parsa Gholipour, Iraj Salehi, Alireza Komaki, Khodabakhsh Rashidi, Seyed Esmail Khoshnam, **Shahab Ghaderi\***. p-Coumaric acid mitigates passive avoidance memory and hippocampal synaptic plasticity impairments in aluminum chloride-induced Alzheimer's disease rat model. *Journal of Functional Foods*, (2022), 94:105117. DOI: 10.1016/j.jff.2022.105117. (ISI, Q1, IF: 4).
  11. Masome Rashno, Alireza Sarkaki, **Shahab Ghaderi\***, Seyed Esmail Khoshnam. Sesamin: Insights into its protective effects against lead-induced learning and memory deficits in rats. *Journal of Trace Elements in Medicine and Biology*, (2022), 72:126993. DOI: 10.1016/j.jtemb.2022.126993. (ISI, Q1, IF: 3.3).
  12. Sadegh Moradi Vestegani, Somayeh Hajipour, Alireza Sarkaki, Yaghoob Farbood, **Shahab Ghaderi**, Masome Rashno, Hamzeh Mirshekari Jahangiri, Seyed Esmail Khoshnam. Vanillic acid alleviates lipopolysaccharide-induced anxiety/depression-like behaviors and cerebral oxidative stress in male rats. *Learning and Motivation*, (2022), 78:101811. DOI: 10.1016/j.lmot.2022.101811. (ISI, Q2, IF: 1.8).

13. **Shahab Ghaderi**, Masome Rashno, Ali Nesari, Seyed Esmaeil Khoshnam, Alireza Sarkaki, Layasadat Khorsandi, Yaghoob Farbood, Khodabakhsh Rashidi. Sesamin alleviates diabetes-associated behavioral deficits in rats: The role of inflammatory and neurotrophic factors. *International Immunopharmacology*, (2021), 92: 107356. DOI: 10.1016/j.intimp.2020.107356. (ISI, Q1, IF: 4.7).
14. Masome Rashno, **Shahab Ghaderi**, Ali Nesari, Layasadat Khorsandi, Yaghoob Farbood, Alireza Sarkaki. Chrysin attenuates traumatic brain injury-induced recognition memory decline, and anxiety/depression-like behaviors in rats: Insights into underlying mechanisms. *Psychopharmacology*, (2020), 6 (237): 1607-1619. DOI: 10.1007/s00213-020-05482-3. (ISI, Q1, IF: 3.3).
15. Yaghoob Farbood, **Shahab Ghaderi\***, Masome Rashno, Seyed Esmaeil Khoshnam, Layasadat Khorsandi, Alireza Sarkaki, Mohammad Rashno. Sesamin: A promising protective agent against diabetes-associated cognitive decline in rats. *Life Sciences*, (2019), 1 (230): 169-177. DOI: 10.1016/j.lfs.2019.05.071. (ISI, Q1, Top 10%, IF: 5.1).
16. Yaghoob Farbood, Masome Rashno\*, **Shahab Ghaderi\***, Seyed Esmaeil Khoshnam, Alireza Sarkaki, Khodabakhsh Rashidi, Mohammad Rashno, Mohammad Badavi. Ellagic acid protects against diabetes-associated behavioral deficits in rats: Possible involved mechanisms. *Life Sciences*, (2019), 15 (225): 8-19. DOI: 10.1016/j.lfs.2019.03.078. (ISI, Q1, Top 10%, IF: 5.1).
17. Seyed Reza Fatemi Tabatabaei, **Shahab Ghaderi**, Mohammad Bahrami-Tapehebur, Yaghoob Farbood, Masome Rashno. *Aloe vera* gel improves behavioral deficits and oxidative status in streptozotocin-induced diabetic rats. *Biomedicine & Pharmacotherapy*. (2017), 96, 279-290. DOI: 10.1016/j.biopha.2017.09.146. (ISI, Q1, Top 10%, IF: 7.5).
18. Seyed Reza Fatemi Tabatabaei, Masome Rashno, **Shahab Ghaderi\***, Majid Askaripour. The aqueous extract of *Portulaca oleracea* ameliorates neurobehavioral dysfunction and hyperglycemia related to streptozotocin-diabetes induced in ovariectomized rats. *Iranian Journal of Pharmaceutical Research*, (2016), 15 (2): 561-571. DOI: 10.22037/ijpr.2016.1840. (ISI, Q2, IF: 1.8).
19. **Shahab Ghaderi**, Seyed Reza Fatemi Tabatabaei, Hossein Najafzadeh Varzi, Masome Rashno. Induced adverse effects of prenatal exposure to silver nanoparticles on neurobehavioral development of offspring of mice. *The Journal of Toxicological Sciences*, (2015), 40(2): 263-275. DOI: 10.2131/jts.40.263. (ISI, Q3, IF: 1.5).

20. Seyed Reza Fatemi-Tabatabaei, Naim Erfani-Majd, **Shahab Ghaderi**, Masome Rashno, Khodabakhsh Rashidi, Mohammad Mehdi Shamsi, Mohammad Bahrami-Tapehebur. Evaluating the Effects of Prenatal Exposure to Silver Nanoparticles on Development of Some Internal Organs in Mice: Liver Histomorphometry of Offspring. *Journal of Isfahan Medical School*. (2016), 33(364): 2248-2255. EID: 2-s2.0-84959387439. (Scopus, in Persian).
21. Majid Askaripour, Seyed Reza Fatemi Tabatabaei, Foruzan Hosseini, Masome Rashno, **Shahab Ghaderi**. Effects of aqueous extract of purslane (*Portulaca oleracea*) on hepatic enzymes in two models of renal ischemia-reperfusion injury in rats. *Zahedan Journal of Research in Medical Sciences*. (2016), 18(2):e5995. DOI: 10.17795/zjrms-5995. (ISC).
22. Masome Rashno, Seyed Reza Fatemi Tabatabaei, Mahmood Khaksary Mahabady, **Shahab Ghaderi**. Maternal Exposure to Silver Nanoparticles in Mice: Effects on Dams' Reproductive Performance and Pups' Neurobehavioral Ontogeny. *Anatomical Science Journal*. (2014), 11(1): 41-52. (ISC).

#### تألیف کتاب ←

۱- **شهاب قادری**، معصومه رشنو، سیامک شهیدی. رایج‌ترین آزمون‌های یادگیری و حافظه در

حیوانات آزمایشگاهی. دانشگاه علوم پزشکی همدان. ۱۴۰۲. ۶-۳۵-۶۹۱۶-۶۲۲-۹۷۸. ISBN:

#### ➤ *National & international congress*

1. **Shahab Ghaderi**, Parsa Gholipour, Alireza Komaki, Iraj Salehi, Khodabakhsh Rashidi, Seyed Esmail Khoshnam, Masome Rashno. p-Coumaric acid ameliorates cognitive and non-cognitive disturbances in a rat model of Alzheimer's disease: The role of oxidative stress and inflammation. The 5<sup>th</sup> International & 26<sup>th</sup> National Iranian Congress of Physiology and Pharmacology. October 11-13, 2023, Semnan, Iran.
2. **Shahab Ghaderi**, Parsa Gholipour, Masome Rashno, Alireza Komaki, Khodabakhsh Rashidi, Seyed Esmail Khoshnam, Iraj Salehi. P-coumaric acid ameliorates anxiety-/depression-like behaviors, oxidative stress, and neuronal loss in a rat model of Alzheimer's disease. 4<sup>th</sup> International and 25<sup>th</sup> Iranian Congress of Physiology and

Pharmacology, October 20-22, **2021**, Tehran University of Medical Sciences, Tehran, Iran.

3. Masome Rashno, Parsa Gholipour, **Shahab Ghaderi**, Alireza Komaki, Khodabakhsh Rashidi, Seyed Esmaeil Khoshnam, Iraj Salehi. P-coumaric acid improves spatial cognitive decline and neuroinflammation a rat model of Alzheimer's disease. 4<sup>th</sup> International and 25<sup>th</sup> Iranian Congress of Physiology and Pharmacology, October 20-22, **2021**, Tehran University of Medical Sciences, Tehran, Iran.
4. Masome Rashno, Alireza Sarkaki, Seyed Esmaeil Khoshnam, **Shahab Ghaderi**. Sesamin: Insights into its protective effects against lead-induced learning and memory deficits in rats. 4<sup>th</sup> International and 25<sup>th</sup> Iranian Congress of Physiology and Pharmacology, October 20-22, **2021**, Tehran University of Medical Sciences, Tehran, Iran.
5. Parsa Gholipour, Masome Rashno, **Shahab Ghaderi**, Alireza Komaki, Khodabakhsh Rashidi, Seyed Esmaeil Khoshnam, Iraj Salehi. P-coumaric acid alleviates memory and hippocampal plasticity impairments in a rat model of Alzheimer's disease. 4<sup>th</sup> International and 25<sup>th</sup> Iranian Congress of Physiology and Pharmacology, October 20-22, **2021**, Tehran University of Medical Sciences, Tehran, Iran.
6. **Shahab Ghaderi**, Parsa Gholipour, Masome Rashno, Alireza Komaki, Khodabakhsh Rashidi, Iraj Salehi. Evaluation of the effects of p-coumaric acid on neurobehavioral functions in a rat model of Alzheimer's disease. 10<sup>th</sup> Basic and Clinical Neuroscience Congress, December 22-24, **2021**, Tehran, Iran.
7. Parsa Gholipour, Masome Rashno, **Shahab Ghaderi**, Alireza Komaki, Khodabakhsh Rashidi, Seyed Esmaeil Khoshnam, Iraj Salehi. Neurotherapeutic effects of P-coumaric acid on memory and hippocampal synaptic plasticity impairments in an aluminium chloride induced rat model of Alzheimer's disease. 10<sup>th</sup> Basic and Clinical Neuroscience Congress, December 22-24, **2021**, Tehran, Iran.
8. **Shahab Ghaderi**, Masome Rashno, Yaghoob Farbood, Seyed Esmaeil Khoshnam, Alireza Sarkaki, Layasadat Khorsandi, Khodabakhsh Rashidi, Ali Nesari. Sesamin abrogates diabetes-associated behavioral deficits in rats: Possible involved mechanisms. 4<sup>th</sup> International Neuroinflammation Congress and 4<sup>th</sup> International Student Festival Neuroscience, 04-05 March, **2021**, Mashhad, Iran.
9. Masome Rashno, **Shahab Ghaderi**, Alireza Sarkaki, Ali Nesari, Yaghoob Farbood, Layasadat Khorsandi. Chrysin improves hippocampal long-term potentiation deficits and inflammatory status in rat with traumatic brain injury. 4<sup>th</sup> International

Neuroinflammation Congress and 4<sup>th</sup> International Student Festival Neuroscience, 04-05 March, **2021**, Mashhad, Iran.

10. **Shahab Ghaderi**, Masome Rashno, Ali Nesari, Layasadat Khorsandi, Yaghoob Farbood, Alireza Sarkaki. Chrysin attenuates traumatic brain injury-induced recognition memory decline, and anxiety/depression-like behaviors in rats: Insights into underlying mechanisms. 9<sup>th</sup> Basic and Clinical Neuroscience Congress, December 9-11, **2020**, Tehran, Iran.
11. **Shahab Ghaderi**, Masome Rashno, Yaghoob Farbood, Seyed Esmaeil Khoshnam, Alireza Sarkaki, Layasadat Khorsandi, Khodabakhsh Rashidi. Sesamin reduces diabetes-associated behavioral deficits partly by inhibiting inflammation and potentiation of neurotrophic factors in diabetic rat brain. 8<sup>th</sup> Basic and Clinical Neuroscience Congress, December 18-20, **2019**, Tehran, Iran.
12. **Shahab Ghaderi**, Masome Rashno, Yaghoob Farbood, Alireza Sarkaki, Seyed Esmaeil Khoshnam, Mohammad Badavi, Mohammad Rashno. Ellagic acid improves behavioral deficits and neurotoxicity in streptozotocin-induced diabetic rat. 7<sup>th</sup> Basic and Clinical Neuroscience Congress, December 12-14, **2018**, Tehran, Iran.
13. **Shahab Ghaderi**, Seyed Reza Fatemi Tabatabai, Masome Rashno. Evaluation of Anxiety-Like Behaviors in Mice Offspring Following Exposure to Silver Nanoparticles During Fetal Period. 21<sup>th</sup> International Iranian Congress of Physiology and Pharmacology (PhyPha21), 23-27 August **2013**, Tabriz, Iran.
14. **Shahab Ghaderi**, Seyed Reza Fatemi Tabatabai, Hossein Najafzadeh, Masome Rashno. Effect of Silver Nanoparticles Exposure During Fetal Period on Passive Avoidance Memory and Tactile Learning of Mice. 21<sup>th</sup> International Iranian Congress of Physiology and Pharmacology (PhyPha21), 23-27 August **2013**, Tabriz, Iran.
15. Masome Rashno, Seyed Reza Fatemi Tabatabai, **Shahab Ghaderi**, Majid Askaripoor. Glucose Metabolism of Mice Offspring Following Exposure to Silver Nanoparticle During Fetal Period. 21<sup>th</sup> International Iranian Congress of Physiology and Pharmacology (PhyPha21), 23-27 August **2013**, Tabriz, Iran.
16. Masome Rashno, Seyed Reza Fatemi Tabatabai, Majid Askaripoor, **Shahab Ghaderi**. Psychobiologic evaluation of aqueous extract of Purslane in diabetic female rats. 21<sup>th</sup> International Iranian Congress of Physiology and Pharmacology (PhyPha21), 23-27 August **2013**, Tabriz, Iran.
17. Majid Askaripoor, Seyed Reza Fatemi Tabatabai, Javad Jamshidiyan, Hossein Najafzadeh, **Shahab Ghaderi**, Masome Rashno. Effect of aqueous and alcoholic

extracts of purslane (*Portulaca oleracea*) on liver enzymes following renal ischemia reperfusion in rat. 21<sup>th</sup> International Iranian Congress of Physiology and Pharmacology (PhyPha21), 23-27 August **2013**, Tabriz, Iran.

18. Majid Askaripoor, Javad Jamshidiyan, Seyed Reza Fatemi Tabatabai, **Shahab Ghaderi**, Masome Rashno. Effect of galantamine on liver function following hepatic ischemia/reperfusion injury in rats. 21<sup>th</sup> International Iranian Congress of Physiology and Pharmacology (PhyPha21), 23-27 August **2013**, Tabriz, Iran.

### ➤ *Research projects*

1. **Title:** Evaluation of the effects of geraniol and exercise training separate and their combination on behavioral, electrophysiological, biochemical, and histological changes following diffuse traumatic brain injury in adult male rat (Hamadan University of Medical Sciences. Proposal No: 140404102947).
2. **Title:** Evaluation of the effects of spirulina and exercise training separately and their combination on behavioral, electrophysiological, biochemical, and histological changes following traumatic brain injury in male rat (Hamadan University of Medical Sciences. Proposal No: 140308016699).
3. **Title:** Study the effects of Fucoidan on behavioral, electrophysiological and oxidative stress changes induced by traumatic brain injury (TBI) in male rats (Hamadan University of Medical Sciences. Proposal No: 1401121611052).
4. **Title:** Evaluation of the effects of calcium dobesilate on behavioral, biochemical, and histological changes in aluminium chloride-induced Alzheimers disease rat model (Hamadan University of Medical Sciences. Proposal No: 140310189179).
5. **Title:** Evaluation of the Protective Effect of Ethyl Vanillin on Behavioral Changes Induced by Aluminum Chloride in a Rat Model of Alzheimer's Disease: The Role of Oxidative Stress (Hamadan University of Medical Sciences. Proposal No: 140307246267).
6. **Title:** The effects of laser radiation (photobiomodulation) combined with coenzyme Q10 on learning and memory impairment, hippocampal synaptic plasticity, mitochondrial function, and oxidative stress in a rat model of Alzheimer's disease: An electrophysiological, behavioral, biochemical, histological, and molecular study (Hamadan University of Medical Sciences. Proposal No: 140304193229).

7. **Title:** Evaluation of the effects of vanillic acid on behavioral, electrophysiological, biochemical, and histological changes following traumatic brain injury in male rat (Hamadan University of Medical Sciences. Proposal No: 140106084715).
8. **Title:** Evaluation of the effects of vanillic acid on behavioral, electrophysiological, biochemical, and histological changes in streptozotocin-induced diabetic male rats (Hamadan University of Medical Sciences. Proposal No: 140104142540).
9. **Title:** Evaluation of the protective effect of chrysin on behavioral, electrophysiological, biochemical, and histological changes following chronic lead exposure in rats (Asadabad School of Medical Sciences. Proposal No: 991041).
10. **Title:** Evaluation of the protective effect of p-coumaric acid on aluminium chloride-induced Alzheimer's disease in male rats: A behavioral, electrophysiological, biochemical, and histological study (Asadabad School of Medical Sciences. Proposal No: 991042).
11. **Title:** Evaluation of the protective effect of sesamin following chronic lead exposure in male rats: A behavioral, electrophysiological, biochemical, and histological study (Asadabad School of Medical Sciences. Proposal No: 991043).
12. **Title:** Evaluation of the protective effect of vanillic acid against lipopolysaccharide-induced depressive and anxiety-like behaviour in rat (Ahvaz Jundishapur University of Medical Sciences. Proposal No: U-98110).
13. **Title:** Evaluation the effects of sesamin on spatial memory, oxidative stress indexes and apoptosis in the brain of streptozotocin-induced diabetic male rats. (Ahvaz Jundishapur University of Medical Sciences. Proposal No: APRC-9607).
14. **Title:** Evaluating the effects of ellagic acid on cognitive and motor functions, inflammation and neurotrophic factors in streptozotocin-induced diabetic rats. (Ahvaz Jundishapur University of Medical Sciences. Proposal No: APRC-9519).
15. **Title:** The study of the effects of chrysin on recognition memory and apoptosis in the male rat brain following traumatic brain injury. (Ahvaz Jundishapur University of Medical Sciences. Proposal No: APRC-9704).
16. **Title:** Study of the sesamin effects on neurobehavioral functions, inflammation and neurotrophic factors in streptozotocin-induced diabetic rats. (Ahvaz Jundishapur University of Medical Sciences. Proposal No: APRC-9609).
17. **Title:** Antidiabetic and psychobiological effects of purslane aqueous extract in female diabetic rats (Shahid Chamran University of Ahvaz).

➤ ***Experimental abilities***

**Electrophysiology**

- In vivo field potential recording (hippocampal LTP assessment)

**Experimental models**

- Alzheimer's disease (AD)
- Diabetic encephalopathy (DE)
- Traumatic brain injury (TBI)

**Surgery expertise**

- Stereotaxic surgery
- Ovariectomy

**Behavioral tests**

- Neurodevelopmental reflex testing in neonatal mice/rat (based on Fox battery of tests).
- Morris water maze
- Shuttle box
- Novel object recognition test
- Elevated plus maze
- Open field
- Force swimming
- Tail flick
- Light-dark box
- Tail-pinch stressor

**Molecular/Cellular techniques**

- Immunohistochemistry (IHC) technique
- TUNNEL stain
- Hematoxylin and eosin (H & E) stain
- ELISA kits

➤ ***Language***

English: MHLE English language testing report

Total Score	Reading Comprehension	Structure	Listening Comprehension
55	14	25	16

Persian: Native

### ➤ *References*

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