

# Ghazaleh Omid

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## Education

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2012\_ 2014 M.Sc. Animal physiology Islamic Azad University of Hamedan

2008\_ 2012 B.S. Animal biology Islamic Azad University of Hamedan

## Skills

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### Behavioral studies:

- 1. Learning and memory:**
  - Passive avoidance learning test
  - Morris water maze
- 2. Motion detection and anxiety:**
  - Open field
  - Elevated plus maze test
  - Forced swim test

### Pain studies:

- Hot Plate Test
- Tail Flick Test

### Electrophysiology:

- In vivo field potential recording

### Other skills:

- Familiar with Intracerebroventricular (icv) cannula implantation
- Familiar with animal model induction of neurodegenerative disease (Alzheimer)
- Familiar with TUNEL methods
- Extraction with rotary evaporator

### Software:

- SPSS
- Familiar with python
- Electrophysiological Analysis Software (biochart)
- Endnote and Mendeley
- Microsoft office word, power point, excel

## Publications

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- **Ghazaleh Omid**, Seyed Asaad Karimi, Siamak Shahidi, Nafiseh Faraji, Alireza Komaki. [Coenzyme Q10 supplementation reverses diabetes-related impairments in long-term potentiation induction in hippocampal dentate gyrus granular cells: an in vivo study](#). Brain Research, **2019**.
- **Ghazaleh Omid**, Seyed Asaad Karimi, Arezoo Rezvani-Kamran, Amirreza Monsef, Siamak Shahidi, Alireza Komaki. [Effect of coenzyme Q10 supplementation on diabetes induced memory deficits in rats](#). Metabolic Brain Disease, **2019**. **34**(3): p. 833-840.
- **Ghazaleh Omid**, Arezoo Rezvani-Kamran, Ahmad Ganji, Farshid Etaee, Somayeh Komaki, Masoumeh Asadbegi. [Effects of Hypericum Scabrum extract on dentate gyrus synaptic plasticity in high fat diet-fed rats](#). The Journal of Physiological Sciences, **2020**. 70(19).
- Farshid Etaee, Alireza Komaki, Nafiseh Faraji, Arezoo Rezvani-Kamran, Somayeh Komaki, P Hasanein, Mohammad Taheri, **Ghazaleh Omid**. [The effects of cinnamaldehyde on acute or chronic stress-induced anxiety-related behavior and locomotion in male mice](#). Stress, **2019**. **22**(3): p. 358-365.
- Farshid Etaee, Arezoo Rezvani-Kamran, Mohammad Taheri, **Ghazaleh Omid**, parisa Hasanein, Alireza Komaki. [Comparing the Antinociceptive Effects of Methamphetamine, Buprenorphine, or Both After Chronic Treatment and Withdrawal in Male Rats](#). Basic and Clinical Neuroscience, **2019**. 10(4), 313-322.
- Seyed Asaad Karimi, Somayeh Komaki, Masoumeh Taheri, **Ghazaleh Omid**, Masoumeh Kourosh-Arami, Iraj Salehi & Alireza Komaki. [Effects of the hydroalcoholic extract of Rosa damascena hippocampal long-term potentiation in rats fed high-fat diet](#). The Journal of Physiological Sciences, **2021**. 71, 14.

## Conference presentations and workshops

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- **Effects of Hypericum Scabrum extract on hippocampal synaptic plasticity in rats fed a long-term high-fat diet**. (Poster), 24th Iranian and 3rd International Congress of Physiology and Pharmacology, 30 Oct – 01 Nov 2019, Tehran, Iran.
- The **“Field Potential Recording of Hippocampal Slices”** virtual Workshop, 9th Basic and Clinical Neuroscience Congress, December 9-11, 2020, Iran.
- The **“Patch Clamp”** virtual Workshop, 25<sup>th</sup> Iranian and 4<sup>th</sup> International Congress of Physiology and Pharmacology, October 16, 2021, Iran.