

# *CURRICULUM VITAE (CV)*

***DR. SHAHLA EYVARI-BROOSHGHALAN***

*PH.D. OF NEUROSCIENCE*

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## PROFESSIONAL EDUCATION AND QUALIFICATIONS

### *GRADUATE & POST-GRADUATE QUALIFICATIONS:*

- **Doctor of Veterinary Medicine**, Urmia University, Urmia, Iran, **2013**
- **Ph.D. of Neuroscience**, Hamadan university of medical sciences, Hamedan, Iran, February **2025**

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## POSITION

***OCTOBER 2020 TO JANUARY 2025***

*PH.D. STUDENT OF NEUROSCIENCE, HAMADAN UNIVERSITY OF MEDICAL SCIENCES, HAMEDAN-IRAN*

***JULY 2025***

*ASSISTANT PROFESSOR OF NEUROSCIENCE, HAMADAN UNIVERSITY OF MEDICAL SCIENCES, HAMEDAN-IRAN*

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## SKILLS & TECHNICAL EXPERIENCE

- Proficient in handling and caring for laboratory rats, mice, and rabbits
- Experienced in stereotaxic apparatus for brain surgery in animal
- Skilled in neurobehavioral studies, including Alzheimer's disease (AD) and Parkinson's disease (PD) in animals
- Expertise in neurodegenerative disease rat models: AD, PD and Traumatic Brain Injury (TBI)

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## TEACHING EXPERIENCE

Teaching **Physiology** of Nervous system for Medical Student 2022 To Present

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## ACHIEVEMENTS

- RANK 4TH IN PH.D. ENTRANCE EXAMINATION IN IRAN, 2019
  - 1ST RANK AMONG PH.D STUDENT , HAMADAN UNIVERSITY OF MEDICAL SCIENCES, 2022. SCORE 19.4 OUT OF 20
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## RESEARCH INTEREST

Neurodegenerative dis.

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## JOURNAL PUBLICATIONS

**Eyvari-Brooshghalan S**, Haddadi R, Shahidi S, Ghaderi S, Rashno M, Kalantari A, et al. Acute Treatment with Fucoïdan 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;1-24.

Ghaderi S, Gholipour P, Safari S, Sadati SM, **Brooshghalan SE**, Sohrabi R, et al. 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.

Ghaderi S, Rashno M, **Brooshghalan SE**, Salehi I, Sarihi A, Shahidi S, et al. 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.

Haddadi R, **Eyvari-Brooshghalan S**, Makhdoomi S, Fadaïe A, Komaki A, Daneshvar A. Neuroprotective effects of silymarin in 3-nitropropionic acid-induced neurotoxicity in male mice: improving behavioral deficits by attenuating oxidative stress and neuroinflammation. **Naunyn-Schmiedeberg's Archives of Pharmacology**. 2023;1-17.

Haddadi R, Nayebi AM, Farajniya S, **Brooshghalan SE**, Sharifi H. Silymarin improved 6-OHDA-induced motor impairment in hemi-parkinsonian rats: behavioral and molecular study. **DARU Journal of Pharmaceutical Sciences**. 2014;22(1):38.

Haddadi R, Mohajjel Nayebi A, **Brooshghalan SE**. Pre-treatment with silymarin reduces brain myeloperoxidase activity and inflammatory cytokines in 6-OHDA hemi-parkinsonian rats. **Neuroscience Letters**. 2013;555:106-11.

Rasool Haddadi, **Shahla Eyvari Brooshghalan**, Safar Farajniya, Hamdolah Sharifi, Alireza M. Nayebi. Short-term treatment with silymarin improved 6-OHDA-induced catalepsy and motor imbalance in hemi-parkinsonian rats. **Adv Pharm Bull.** 2015; 5(4) (2015) 463-469.

Haddadi, R., Z. Shahidi and **S. Eyvari-Brooshghalan**. "Silymarin and neurodegenerative diseases: Therapeutic potential and basic molecular mechanisms." **Phytomedicine.** 2020. 79: 153320.

**Brooshghalan SE**, Sabahi M, Ebadi SA, Sadeghian Z, Nayebi AM, Haddadi R. Silibinin chronic treatment in a rat model of Parkinson disease: a comprehensive in-vivo evaluation and in silico molecular modeling. **European Journal of Pharmacology.** 2023;941:175517.

Sadeghian Z, **Eyvari-Brooshghalan S**, Sabahi M, Nourouzi N, Haddadi R. Post treatment with Gastrodin suppresses oxidative stress and attenuates motor disorders following 6-OHDA induced Parkinson disease. **Neuroscience letters.** 2022;790:136884.

Haddadi R, Tamaddonfard E, **Eyvari-brooshqalan S**, Mohajjel Nayebi A. Study of curcumin mechanism by using yawning induced by physostigmine and pilocarpine in rats. **Pharmaceutical Sciences.** 2012;17(4):275-82.

RAAZI M, Feyzi S, SHAMOHAMMADLOU S, NAJAFI GR, Ensafi A, **Eyvari S**, et al. Compensatory ovarian changes, mast cell distribution and luminal structure changes following unilateral ovariectomy in rats. **Iranian Journal of Veterinary Research .** 2010.

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## CURRENT RESEARCH:

TBI and AD