



## **Personal Background**

**First Name:**Hamzeh

**Family Name:**Badeli

**Date of Birth:** 12 January 1989

**Place of Birth:** Gorgan- Golestan-Iran

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

## **Educational Background**

Ph.D, in Anatomical Sceinces,(2014- 2019 ),Faculty of Medicine ,Shiraz University of Medical Sciences.

M.Sc, in Anatomical Sciences,(2011-2014),Faculty of Medicine, Kerman University of Medical Sciences.

## **Laboratory techniques:**

- Stereology (Modern Quantitative Microscopy)
- Induction of Focal (MCAO) and Global Cerebral Ischemia
- Induction of sleep deprivation in rodents
- Induction traumatic brain injury
- Immunohistochemistry (IHC) (Neurogenesis, Brdu and Neun double labeling)
- Voronoi tessellation(Spatial arrangement of cells)
- Golgi Staining for studying the morphology of neuronal dendrites and dendritic spines

- 3D Reconstruction
- paraffin and Cryosectioning Techniques
- Neurobehavioral test: NDS, Pole, Passive Avoidance Task, Novel object recognition
- Animal models surgery

## **Publications**

- ❖ "Effect of G-CSF on the spatial arrangement of CA1 hippocampal pyramidal neurons after brain ischemia in the male rats"
- ❖ "Neuroprotective effect of Dimethyl fumarate in subacute phase of stroke: The role of Nuclear factor erythroid 2-related factor 2 (Nrf2)"
- ❖ "Curcumin Improves Memory Impairment and Restores Irregular Neuronal Distribution in the Hippocampal CA1 Region After Global Cerebral Ischemia in Male Rats".
- ❖ " Aqueous Date Fruit Efficiency as Preventing Traumatic Brain Deterioration and Improving Pathological Parameters after Traumatic Brain Injury in Male Rats"
- ❖ "Male Infertility in infected patients with COVID-19: A Narrative Review"
- ❖ "Translation and Psychometric Properties of the Persian Version of Oxford Non-technical Skills 2 System: Assessment of Surgical Teams' Non-technical Skills in Orthopedic Surgery Wards"
- ❖ Naringin prevents the reduction of the number of neurons and the volume of CA1 in a scopolamine-induced animal model of Alzheimer's disease (AD): a stereological study