

## Personal Information

**Name:** Jalal  
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**Date of Birth:** December, 25th, 1987  
**City of Birth:** Rafsanjan  
**Nationality:** Iranian  
**Religion:** Islam  
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## Academic Background

- 2018 to date: **Assistant professor in Medical Physiology, Rafsanjan University of Medical Sciences, Rafsanjan-Iran.**
- 2014 to 2017 Department of Medical Physiology  
Isfahan University of Medical Sciences - Isfahan – Iran  
Ph.D. Degree in Medical Physiology.
- 2011 to 2013 Department of Medical Physiology  
Tehran University of Medical Sciences - Tehran– Iran  
M.Sc. Degree in Medical Physiology.
- 2007 to 2011 Department of nursing  
Kerman University of Medical Sciences, Faculty of Basic Sciences – Kerman - Iran  
B.Sc. Degree in nursing

## M.S.c Thesis

- “Survey of the effect of Carvacrol on experimental model of 6-hydroxydopamine – induced parkinson,s disease in male rat: with emphasis on the role of estrogenic receptors and oxidative stress”, M.Sc Thesis,  
*Tehran University of Medical Sciences*, Supervisor: Prof. T.Baluchnejadmojarad

## Ph.D Thesis

- “Study of the Effect of Angiotensin II and Angiotensin 1-7 Receptors Antagonists on Renal Hemodynamic Parameters After Both Unilateral Ureteral Occlusion and Occlusion Removal in Male Wistar Rats”, Ph.D Thesis,  
*Isfahan University of Medical Sciences*, Supervisor: Prof. M.Nematbakhsh

## Publications

- Azadbakht MK, **Hassanshahi J**, Nematbakhsh M. The Role of Angiotensin II Infusion on the Baroreflex Sensitivity and Renal Function in Intact and Bilateral Renal Denervation Rats. *Advanced biomedical research*. 2018;7.
- Samimiati A, Khosravi MS, **Hassanshahi J**, Nematbakhsh M. The effect of AT2 and Mas receptors antagonists on renal hemodynamic and excretory disorders induced by ischemia/reperfusion in male and female rats. *Physiology and Pharmacology*. 2018 Jun 10;22(2):133-40.
- Maleki M, **Hasanshahi J**, Moslemi F. The role of vasodilator receptors of renin–angiotensin system on nitric oxide formation and kidney circulation after angiotensin ii infusion in renal ischemia/reperfusion rats. *Advanced biomedical research*. 2018;7.
- Malek M, **Hassanshahi J**, Fartootzadeh R, Azizi F, Shahidani S. Nephrogenic acute respiratory distress syndrome: a narrative review on pathophysiology and treatment. *Chinese Journal of Traumatology*. 2018 Feb 1;21(1):4-10.
- **Hassanshahi J**, Maleki M, Nematbakhsh M. Renal blood flow and vascular resistance responses to angiotensin II in irreversible and reversible unilateral ureteral obstruction rats; the role of angiotensin II type 1 and 2 receptors. *Journal of nephropathology*. 2018 Apr 1;7(2).
- **Hassanshahi J**, Nematbakhsh M. The role of Mas receptor on renal hemodynamic responses to angiotensin 1-7 in both irreversible and reversible unilateral ureteral obstruction rats. *Advanced biomedical research*. 2018;7.
- **Hassanshahi J**, Maleki M, Nematbakhsh M. Renin-angiotensin system and unilateral ureteral obstruction. *Physiology and Pharmacology*. 2017 Dec 10;21(4):266-78.
- **Hassanshahi J**, Roghani M, Raoufi S. Protective effect of carvedilol in 6-hydroxydopamine hemi-parkinsonian rat model. *Journal of Basic and Clinical Pathophysiology*. 2014 Oct 1;2(2):29-34.
- Zamani M, **Hassanshahi J**, Soleimani M, Zamani F. Neuroprotective effect of olive oil in the hippocampus CA1 neurons following ischemia: Reperfusion in mice. *Journal of neurosciences in rural practice*. 2013 Apr;4(2):164..

## Technical Skills

- ✓ Animal Handling (Rat & Mouse)
- ✓ Tracheal catheterization
- ✓ Catheterization of Femoral arteries, Carotid and Jugular veins
- ✓ Bladder and Ureter catheterization
- ✓ Creation of an ischemic-reperfusion kidney model
- ✓ Creating a reversible and irreversible ureteral obstruction model in laboratory animals
- ✓ Creating a bilateral renal denervation model
- ✓ Isolating the renal artery and using a Doppler Laser Device for measure renal blood flow
- ✓ Using the power lab system and the lab-chart software to record and evaluate hemodynamic indicators (systolic pressure, diastolic pressure, mean arterial pressure, heart rate, renal perfusion pressure and renal vascular resistance) in laboratory animals
- ✓ Investigation of baroreceptors sensitivity in laboratory animals
- ✓ Evaluation of renal function indicators (creatinine clearance, sodium and potassium excretion, GFR, sodium tubular loads, pressure diuresis and etc.) in laboratory animals
- ✓ Creation of polycystic kidney and chronic renal failure models
- ✓ Creating an orchidectomy and ovariectomy model in rats and mice
- ✓ Creating a Unilateral Nephrectomy Model (GOLDBALT) and partial nephrectomy
- ✓ stereotaxic brain surgery in rats & mice
- ✓ Global brain ischemia- reperfusion in rat & mice
- ✓ Spectrophotometry
- ✓ Tissue perfusion
- ✓ Nissl & tunnel test

## Computer Skills

- ✓ Windows Operating System: XP, Vista, 7, 8 and 10
- ✓ Specialized Software: EndNote, SPSS
- ✓ Other Software: Microsoft Office 2016, Adobe Photoshop, ulead video studio

## Research Interests

- ✓ Fundamental-applied research in kidney diseases associated with hypertension
- ✓ Renal ischemia-reperfusion treatment

- ✓ Advanced research on renin-angiotensin associated with renal disease
- ✓ providing a strategy for preventing the development of kidney stones
- ✓ Parkinson & Alzheimer's disease treatment planning
- ✓ Brain Ischemia-reperfusion treatment

### **Workshops Attended**

- ✓ Workshop on Pre-clinical Studies in Drug Production Cycles: Opportunities and Challenges, Rafsanjan University of Medical Sciences, Iran, July 4, 2018.
- ✓ Workshop on English Grammar and Vocabulary Learning Tips, Rafsanjan University of Medical Sciences, Iran, April 25, 2018.
- ✓ Workshop on Traditional Medicine, Rafsanjan University of Medical Sciences, Iran, March 10, 2018.
- ✓ Workshop on Medical Ethics, Rafsanjan University of Medical Sciences, Iran, February 26, 2018.
- ✓ 2<sup>th</sup> International Congress of Physiology and Pharmacology Workshop on “Statistics in Physiology and Pharmacology” Chabahar, Iran, 15-18 February 2018.
- ✓ 2<sup>th</sup> International Congress of Physiology and Pharmacology Workshop on “Ethical Principles Writing Paper” Chabahar, Iran, 15-18 February 2018.
- ✓ Workshop on Research Methods, Rafsanjan University of Medical Sciences, Iran, 12 February 2018.
- ✓ Springer Workshop on “How to write and get published”, Tehran University of Medical Sciences, Iran, February 2013.
- ✓ Workshop on Advanced Search in Electronic Sources, Tehran University of Medical Sciences, Iran, December 2012.
- ✓ Workshop on Research Methods, Tehran University of Medical Sciences, Iran, December 2012.
- ✓ Workshop on Proposal Writing and Preparation, Tehran University of Medical Sciences, Iran, November 2011.

### **Congress (Conferences Attended)**

- ✓ 2<sup>th</sup> International Congress of Physiology and Pharmacology, Chabahar, Iran, 15-18 February 2018.
- ✓ International Congress of Basic and Clinical Neuroscience, Tehran, Iran, 7-9 November 2012.
- ✓ 6<sup>th</sup> Allied Medical Student National Conference, Tehran, Iran, March 2012.
- ✓ 12<sup>th</sup> Annual Congress of Iranian Society of Pathology, Tehran, Iran, October 2011.

## Hobbies

- ✓ Listening to music, Watching movies, Reading poems
- ✓ Soccer, Swimming, Climb mountains
- ✓ Traveling, Backpacking

## References

- ✓ **Dr. Tourandokht Baluchnejad Mojarad** (M.Sc. Supervisor)  
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- ✓ **Dr. Mehrdad Roghani**  
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- ✓ **Dr. Mehdi Nematbakhsh** (Ph.D Supervisor)  
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