

Curriculum Vitae



Roham Mazloom

Assistant Professor, Department of Physiology and Pharmacology, Faculty of Medicine, Alborz University of Medical Sciences

Last update in October, 2022

I. PERSONAL INFORMATION:

Name: Roham

Family name: Mazloom

Academic Degree: Ph.D. of Medical Physiology

Date of Birth: January 1, 1983

Place of Birth: Tehran-Iran

Gender: Male

Marital Status: Married

Address: Department of Physiology-Pharmacology-Medical Physics,
Alborz University of Medical Sciences, Karaj, Iran.

Tel: +982634287315

E-mail: rohalmazloom@hotmail.com
rohalmazloom@abzums.ac.ir

II. EDUCATIONAL RECORDS:

Degree	Institution	Field	Date	Place
B.Sc.	Iran University of Medical Sciences	Nursing	2006	Tehran, Iran
M.Sc.	Tarbiat Modares University	Medical Physiology	2009	Tehran, Iran
Ph.D.	Tarbiat Modares University	Medical Physiology	2013	Tehran, Iran

III. THESIS AND DESERTATION:

M.Sc.: Investigation on the Effects of Normobaric – Hyperoxia Preconditioning on Isolated Heart of Morphine Dependent Male Rat.

Ph.D.: The Role of α -7 Nicotinic Acetylcholine Receptor in Modulation of Heart Rate Dynamics in Endotoxemic Rats.

IV. ACADEMIC HONORS:

- 1- The Second Rank of the Entrance Exam of Ph.D. in Medical Physiology, Tarbiat Modares University 2009.
- 2- The First Rank of the Entrance Exam of M.Sc. in Medical Physiology, Tarbiat Modares University, 2006.

V. COURSES TAUGHT:

- 1- All Branch of Physiology for Medical Students (M.D.)
- 2- All Branch of Physiology for Pharmacy Students (Pharm.D.)
- 3- All Branch of Physiology for Dental Students (D.M.D)
- 4- General physiology for Paramedical Sciences Students (B.Sc.)
- 5- General Physiology for Pharmaceutical Chemistry Students (B.Sc. and M.Sc.)

VI. TEACHING EXPERIENCES

- 1- Teaching Physiology at Alborz University of Medical Sciences, Since 2013 till Now, Karaj, Alborz Province, Iran.
- 2- Teaching Physiology at Islamic Azad University Pharmaceutical Sciences Branch, Since 2012 till 2017, Tehran, Tehran Province, Iran.
- 3- Teaching Physiology at Islamic Azad University for Medical and Paramedical Students, 2012, Shahrud, Semnan Province, Iran.

VII. WORKSHOP TAUGHT

- 1- Guest speaker in the webinar "An introduction to powerlab data acquisition systems", 27th Dec 2021.
- 2- "Ischemic Preconditioning in Isolated heart", 19th Iranian congresses of physiology and pharmacology, 2009, Tarbiat Modares University, Tehran, Iran.

VIII. MEMBERSHIP OF SCIENTIFIC SOCIETIES:

Iranian Society of Physiology and Pharmacology

IX. RESEARCH FIELDS:

- 1- Cardiovascular Physiology
- 2- Complex Systems in Biology and Medicine
- 3- Heart Rate Variability
- 4- Inflammation
- 5- Autonomic Nervous System
- 6- Stroke
- 7- Heart Failure

- 8- Gastroenterology
- 9- Hepatology

X. RESEARCH SKILLS:

- 1- Rat Heart Isolation
- 2- Heart Telemetry
- 3- Real Time-PCR
- 4- Immunohistochemistry technique
- 5- Langendorff Setup
- 6- HRV Analysis
- 7- Analysis of complex system in medicine and biology
- 8- Linear and non-linear analysis
- 9- Familiar to cell culture
- 10- Familiar to MATLAB

XI. PATENT:

- 1- **Mazloom R.** Setup for live-preserving tissue isolated from the body of laboratory animals for electrical recording. 2019. Patent number in iran: 100209. URL: <https://ipm.ssaa.ir/Search-Result?page=1&DecNo=139850140003005430&RN=100209>

XII. PAPERS:

- 1- Bayat G, **Mazloom R.** Hashemi SA, Pourkhalili K, Fallah P, Shams A, Esmaeili P, Khalili A. Silymarin Administration Attenuates Cirrhotic-induced Cardiac Abnormality in the Rats: A Possible Role of β_1 -adrenergic Receptors and L-type Voltage-Dependent Calcium Channels. Iran J Med Sci. 2022 Jul;47(4):367-378. doi: 10.30476/IJMS.2021.90750.2172. PMID: 35919076; PMCID: PMC9339107.

- 2- . **Mazloom, R.** Evidence of the Physiologic Functions of the Gastrointestinal Tract as a Complex System Found Sci **26**, 257–274 (2021). <https://doi.org/10.1007/s10699-020-09656-2>.

- 3- Jamshidi V, Hashemi SA, Khalili A, Fallah P, Ahmadian-Attari MM, Beikzadeh L, **Mazloom R**, Najafizadeh P, Bayat G. Saffron offers hepatoprotection via up-regulation of hepatic farnesoid-X-activated receptors in a rat model of acetaminophen-induced hepatotoxicity. Avicenna J Phytomed. 2021 Nov-Dec;11(6):622-632. doi: 10.22038/AJP.2021.18227. PMID: 34804899; PMCID: PMC8588952.

- 4- Khalili A, Fallah P, Hashemi SA, Ahmadian-Attari MM, Jamshidi V, **Mazloom R**, Beikzadeh L, Bayat G. New mechanistic insights into hepatoprotective activity of milk thistle and chicory quantified extract: The role of hepatic Farnesoid-X activated receptors. Avicenna J Phytomed. 2021 Jul-Aug;11(4):367-379. doi: 10.22038/AJP.2020.17281. PMID: 34290968; PMCID: PMC8264225.

- 5- **Mazloom R.** Feasibility of Therapeutic Effects of the Cholinergic Anti-Inflammatory Pathway on COVID-19 Symptoms. J Neuroimmune Pharmacol. 2020 Jun;15(2):165-166. doi: 10.1007/s11481-020-09919-6. Epub 2020 May 7. PMID: 32378064; PMCID: PMC7202901.

- 6- **Mazloom R.** A new approach for digestive disease diagnosis: Dynamics of gastrointestinal electrical activity. Med Hypotheses. 2019 Jul;128:64-68. doi: 10.1016/j.mehy.2019.05.009. Epub 2019 May 13. PMID: 31203912.

- 7- **Mazloom R.** Possibility of Assessing the Gastrointestinal Tract as a Complex System. J Med Syst. 2019 Feb 7;43(3):65. doi: 10.1007/s10916-019-1194-8. PMID: 30729327.

- 8- Mani AR, **Mazloom R**, Haddadian Z, Montagnese S. Body temperature fluctuation analysis in cirrhosis. Liver Int. 2018

Feb;38(2):378-379. doi: 10.1111/liv.13539. Epub 2017 Aug 24. PMID: 28782164.

- 9- Taghipour M, Eftekhari G, Haddadian Z, **Mazloom R**, Mani M, Mani AR. Increased sample asymmetry and memory of cardiac time-series following endotoxin administration in cirrhotic rats. *Physiol Meas*. 2016 Nov;37(11):N96-N104.
- 10- Meamar M, Dehpour T, **Mazloom R**, Sharifi F, Raoufy MR, Dehpour AR, Mani AR. The effect of endotoxin on heart rate dynamics in diabetic rats. *Auton Neurosci*. 2015 May;189:83-6.
- 11- **Mazloom R**, Shirazi AH, Hajizadeh S, Dehpour AR, Mani AR. The effect of endotoxin on the controllability of cardiac rhythm in rats. *Physiological Measurement*. 2014 Mar;35(3):339-49.
- 12- **Mazloom R**, Eftekhari G, Rahimi M, Khor V, Hajizadeh S, Dehpour AR, Mani AR. The Role of $\alpha 7$ Nicotinic Acetylcholine Receptor in Modulation of Heart Rate Dynamics in Endotoxemic Rats. *PLoS One*. 2013 Dec 10;8(12):e82251.
- 13- Shirazi AH, Raoufy MR, Ebadi H, De Rui M, Schiff S, **Mazloom R**, Hajizadeh S, Gharibzadeh S, Dehpour AR, Amodio P, Jafari GR, Montagnese S, Mani AR. Quantifying memory in complex physiological time-series. *PLoS One*. 2013 Sep 5;8(9):e72854.
- 14- Haddadian Z, Eftekhari G, **Mazloom R**, Jazaeri F, Dehpour AR, Mani AR. Effect of endotoxin on heart rate dynamics in rats with cirrhosis. *Auton Neurosci*. 2013 Oct;177(2):104-13.

XIII. NATIONAL PAPERS:

1. Alavian F, Hajizadeh S, Javan M, **Mazloom R**. Evaluation of ERK activity on Ischemic Tolerance-induced by Preconditioning with Intermittent Normobaric Hyperoxia in the Rat Model of Stroke. *J Arak Uni Med Sci* 2017; 20 (6) :41-53 URL: <http://jams.arakmu.ac.ir/article-1-5209-en.html>

2. Azadbakht M. K. , **Mazloom R.** , Shahani S. , Mani A. R. Effect of endotoxemia on heart rate dynamics in rat isolated perfused hearts. Physiology and Pharmacology, 2013, 17 (1).
3. **Mazloom R.** , Hajizadeh S. , Semnanian S. , Pourkhalili P. , Bayat G. R. , Alavian F. , Safari F. Effect of normobaric hyperoxia on tissue damage, mechanical function and arrhythmias of ischemia-reperfusion in isolated morphine dependent rat heart. Journal of Research on Addiction, 2012, 6 (21).
4. Safari F. , Hajizadeh S. , Moshtaghiun S. , Forouzandeh M. , Bayat G. R. , **Mazloom R.** , Sattarian L. Effect of losartan on NOX2 transcription following acute myocardial ischemia reperfusion. Physiology and Pharmacology, 2012, 16 (1), 44-53.
5. Bayat G. R. , Hajizadeh S. , Javan M. , Forouzandeh Moghadam M. , Safari F. , Azizi H. , **Mazloom R.** Decreased Uncoupling Protein 2 and 3 (UCP2 and UCP3) mRNA expression by endurance exercise training with and without chronic administration of nandrolone in rat heart. Physiology and Pharmacology, 2011, 15 (3), 330-340.