Curriculum Vitae

Date of completion:2/10/2026

Personal Information:

First Name:Babak

Last Name:Barmaki

Work address:physiology department, medical faculty, Zabol university of medical sciences,zabol,Iran

Contact information: Email and Phone

Barmaki.b@yahoo.com

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Profile links (Scopus, PubMed, ISI, and Google Scholar)

Education:

Please write with details

Master of science in human physiololoy(kidney physiology). Date of graduation: September 2000

PhD in human physiology (cardiovascular physiology). Date of graduation September 2011

Language skills:

Intermediate level English proficiency

Please write with details

A Score 58 on the TOLIMO exam

Work Experience:

Please write with details

1- Faculty member, Department of Physiology and Pharmacology

2- Head of the Department of Physiology

3- Member of medical school educational council

4- Member of the Curriculum Planning Committee

5- Member of the Faculty Promotion Committee

6- Member of the Consultative Council of Faculty Members and Elites, Zabol University of Medical Sciences

Skills:

Please write with details

1- Working with laboratory animals

A. Anesthesia induction

B. Induction of high blood pressure in rats

C. Intraperitoneal injection

D. Venous and arterial cannulation in laboratory animals

E. Planning and implementation of hemorrhagic shock protocol in rats

F. Planning and implementation of experimental model of acute renal failure in rats

2- Working with soft wares in research

A. Analysis of quantitative and qualitative variables in Excel and SPSS soft wares

B. Using resource management software

Research interest:

Please write with details

Renal physiology: kidney failure, Residual function in chronic renal failure

Cardiovascular physiology: Circulatory hemorrhagic shock, Hypertension

Publications (Scientific Papers):

Please write with details (Title, authors, journal's name, and Indexing information of the journal)

1- Effects of hypertension on hemodynamic response and serum nitrite concentration during graded hemorrhagic shock in rats. Barmaki,Babak; Khazaei, Majid; Nasimi, Ali. J Res Med Sci, volume 16, issue9, page:1168-1175,2011.

2- Protective Role of Selective Nitric Oxide Synthase Inhibitor for Treatment of Decompensated Hemorrhagic Shock in Normotensive and Hypertensive Rats. Barmaki, Babak; Khazaei, Majid; Nasimi, Ali. International Journal of Preventive Medicine, Volume 2, issue 1, Page: 47-53, 2012.

3- Role of Exogenous Nitric Oxide Donor in Treatment of Decompensated Hemorrhagic Shock in Normotensive and Hypertensive Rat. Barmaki,Babak; Khazaei, Majid. Journal of Biomedicine and Biotechnology.Page:1-6, 2012.

4- Hemodynamic responses and serum nitrite concentration during uncontrolled hemorrhagic shock in normotensive and hypertensive rats. Barmaki, Babak; Khazaei, Majid; Nasimi, Ali. Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub. Volume 156, Issue 20, Page: 1-6,2012.

5- Effect of aminoguanidine on cardiovascular responses and survival time during blood loss: A study in normotensive and deoxycorticosterone acetate salt hypertensive rats. Barmaki, Babak; Khazaei, Majid. International Journal of Applied and Basic Medical Research. Volume 5,issue 1, Page:12-17,2015.

6- Effect of Endothelin-A Receptor Blockade on the Early Phase of Ischemia/Reperfusion- Induced Acute Renal Failure in Anesthetized rats. Shid Mousavi, Seyyed Mustafa; Barmaki, Babak; Geramizadeh,Bita; Fallahzadeh, Mohammad hossein; Jones, Edward J. Iran JMed Sci. Volume 29, Issue 1, Page:14-20,2004.

7- Relation between Chromium, Iron and Copper with Gestational Diabetes in Zabol, Iran. Didehdar, Reza; Rabbani –nia, Tayyibeh; Barmaki , Babak ; Dahmardeh ,Somayyeh; Noori , Fahimeh; Bagheri.

Somayyeh; Ali- malayeri, Fardin. Journal of Clinical and Diagnostic Research. Volume 12, Issue 11, Page:Bc 15-18 , 2018.

8- Effects of Aloe Vera Gel Extract on Aging- Associated Histological Changes of the Sciatic Nerve. Barmaki, Babak; Ghaffary ,Hamid reza ; Gholami , Soghra; Alipour tabrizi, Maliheh. Anatomical sciences. Volume 14, issue 1, page:1-10, 2017.

9- The protective effects of Aleo Vera Gel extract on the sexual complications caused by diabetes in male rats.Ghaffari , Hamid Reza; Bagheri, Gholamreza; Fouladi, Bahman; Barmaki,Babak; Alpour tabrizi,Maliheh; Poursamimi, Marzieh; Poursamimi,javad. Int J Basic Sci Med. Volume 8, issue 1, Page: 1-10,2023

10- Serum lactate Dehydrogenase, Creatinine phosphokinase and Troponin levels among cardiac patientswith coronavirus disease 2019: a retrospective study. Poursamimi, Javad; Barmaki, Babak; Ghaffari, Hamid reza; Ehsannollahi,Yahya. Journal of advanced biomedical sciences, Vol 15,issue 4,Page: 337-347, 2025.

National and international contributions:

(As a reviewer, Editor, or advisor, etc.)

Collaboration ***with international journal of Basic sciences in medicine*** as reviewer

Books:

Thesis:

(Supervisor or advisor)

Please provide the following information: title, student's name, year, and your role.

1- Investigation of the Relationship Between Serum Troponin and Left Ventricular Systolic Function in Patients Admitted to the Cardiac Intensive Care Unit at Amir-al-Momenin Hospital, Zabol. Mirazei,Fatemeh, 2017.

Collaboration as advisor

2- Investigation of the Relationship Between Serum Troponin Levels and One-Month Mortality in Patients Admitted to the Cardiac Intensive Care Unit at Amir-al-Momenin Hospital, Zabol. Jaberi,Saeed. 2017.

Collaboration as Advisor

3- Investigation of the relationship between serum folic acid and homocysteine levels in the second trimester of pregnancy and the incidence of preeclampsia in primigravid women at Amir-al-Momenin Hospital, Zabol. Mohaddeseh Keikhanasab, 2017.

Collaboration as advisor.

4- A comparative study of the effects of melatonin and donepezil on diazepam-induced changes in the memory retrieval phase of passive avoidance learning in a step-through model in male Syrian mouse. Khalaji fatemeh, 2023.

Collaboration as supervisor.

5- Comparison of Cardiac Enzymes and Serum Troponin Between Cardiac Patients With and Without COVID-19 at Amir-al-Momenin Hospital, Zabol. Salehi, Farzaneh , 2025.

Collaboration as supervisor