



نام و نام خانوادگی : دکتر حمید رضا پازکی طرودی

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سوابق تحصیلی

دکترای داروسازی PharmD دانشگاه علوم پزشکی تهران ۱

1993 July 29 , Thursday

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تاریخ دفاع

Assessment of the genetic role of iso enzyme Cyp2D in the metabolism of Debrisoquine using computational Molecular Biology,

By: HamidReza Pazoki Toroudi, For (Pharm D Thesis). Supervisor: Prof. Mahmoodian. 1993.

دکترای تخصصی Ph.D. فیزیولوژی دانشگاه علوم پزشکی تهران

1998 December 15

24 آذر ۱۳۷۷

تاریخ دفاع

Assessment of the physiologic effect of transmembrane K concentration on gastric acid secretion of rats.

By: HamidReza Pazoki Toroudi. For the **Doctor of Philosophy Degree** Program in Human **Physiology** Supervisors: Professor F. Shadan. Professor B. Djahanguiri.

Associate Professor of Physiology/ Department of Physiology & Physiology Research Center,
Faculty of Medicine, [Iran University of Medical Sciences](http://www.iums.ac.ir), Tehran, Iran

دانشیار گروه فیزیولوژی دانشکده پزشکی دانشگاه علوم پزشکی ایران

سوابق حرفه ای

- مسئول راه اندازی آزمایشگاه جامع از تاریخ ۹۲/۱۲/۲۸ تا تاریخ ۹۵/۵/۹
- رئیس آزمایشگاه جامع از تاریخ ۹۲/۱۲/۲۸ تا تاریخ ۹۵/۵/۹
- مدیر روابط عمومی دانشگاه علوم پزشکی ایران از تاریخ ۹۴/۴/۷ تا ۹۶/۸/۱۷
- رئیس کارگروه صیانت از حقوق مردم و تکریم ارباب رجوع از تاریخ ۹۴/۱۱/۴ تا ۹۷
- شرکت در سیاستگذاری بنیاد نخبگان استان تهران
- عضو کمیته توسعه دولت الکترونیک و هوشمند سازی در دانشگاه علوم پزشکی ایران از تاریخ ۹۴/۴/۱۶ تا ۹۷
- عضو کمیته جایزه ملی شهید دکتر رهنمون از تاریخ ۹۴/۹/۱ تا ۹۷
- نماینده دانشگاه علوم پزشکی ایران در راستای اجرای قانونی ارتقای سلامت نظام اداری و مقابله با فساد از ۹۵/۵/۲۳ تا تاریخ ۹۶/۴/۴
- جزو هیئت علمی کنگره پاتوفیزیولوژی، دانشگاه علوم پزشکی ایران، ۱۳۸۴
- جزو هیئت علمی کنگره الکتروفیزیولوژی، دانشگاه علوم پزشکی تهران، ۱۳۹۰
- جزو کمیته اجرایی کنگره فیزیولوژی و فارماکولوژی، ۱۳۷۸
- راه اندازی آزمایشگاه جامع تحقیقاتی دانشگاه ۱۳۹۲
- دبیر اجرایی همایش روز پژوهش گروههای علوم پایه پزشکی، بهمن ۱۳۹۳
- معاون آموزشی گروه فیزیولوژی از ۹۳/۱۰/۱ به مدت دو سال
- عضو شورای عالی مرکز تحقیقات فیزیولوژی، ۱۳۹۳/۸

Other study courses in the field of physician

International Visitor Leadership Program (United States Department of States, Bureau of Educational and Cultural Affairs)

Symposium on "Current Issues and Challenges in Public Health"

Washington DC

Visit of National Institute of Health (NIH),

Visit of Centre of Disease Control (CDC),

Visit of Cleveland Clinic

Visit of Harvard University (United States of America)

Public Health and Medicine, A Project for Iranian Medical Professionals

Visit of Louisiana State University Health Sciences Center, Department of Surgery, Division of Transplantation in Shreveport. LA, USA and active participation in all departmental meetings, hepatobiliary surgeries,

Pazoki-Toroudi, Hamidreza

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Research Interests

Physiology-Drug Design , Medicine , Biochemistry, Genetics and Molecular Biology, neurobiology, Clinical trials, Evidence Based Medicine (EBM) and Global Burden of Disease, Translational Medicine, bio-nanomaterials, Stem cells, Regenerative Medicine, Materials Science, Immunology and Microbiology, Computational Molecular Biology, Mathematics Chemistry ,

Publications

1. [Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018.](#) 2021
BNV Kinyoki D, Osgood-Zimmerman AE, ...
Nat Med. 2021 Oct;27(10):1761-1782. doi: 10.1038/s41591-021-01498-0.
Epub ...
2. [Tracking development assistance for health and for COVID-19: a review of development assistance, government, out-of-pocket, and other private spending on health for 204 ...](#) 2021
AE Micah, IE Cogswell, B Cunningham, S Ezoe, AC Harle, ER Maddison, ...
The Lancet 398 (10308), 1317-1343
3. [Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global ...](#) 2021
KR Paulson, AM Kamath, T Alam, K Bienhoff, GG Abady, J Abbas, ...
The Lancet 398 (10303), 870-905
4. [A review of immunologic factors involved in alopecia areata and the effects of diphencyprone on these factors](#) 2021
M Banimohammad, M Forghani Ramandi, H Pazoki Toroudi
Journal of Dermatology and Cosmetic 12 (2), 121-133

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5. [Co-Loading of Cisplatin and Methotrexate in Nanoparticle-Based PCL-PEG System Enhances Lung Cancer Chemotherapy Effects](#) 2021
E Akbari, H Mousazadeh, Y Hanifehpour, E Mostafavi, AM Gorabi, ...
Journal of Cluster Science, 1-12
 6. [Role of Polyphenols on Gut Microbiota and the Ubiquitin-Proteasome System in Neurodegenerative Diseases](#) 2021
H Nargeh, F Aliabadi, M Ajami, H Pazoki-Toroudi
Journal of Agricultural and Food Chemistry
 7. [Ubiquitin–proteasome system and the role of its inhibitors in cancer therapy](#) 2021
F Aliabadi, B Sohrabi, E Mostafavi, H Pazoki-Toroudi, TJ Webster
Open Biology 11 (4), 200390
 8. [Multifunctional hydrogels for wound healing: Special focus on biomacromolecular based hydrogels](#) 2021
N Asadi, H Pazoki-Toroudi, AR Del Bakhshayesh, A Akbarzadeh, ...
International Journal of Biological Macromolecules 170, 728-750
 9. [Amniotic Membrane-Derived Mesenchymal Stem Cells for Heart Failure: A Systematic Review and Meta-Analysis of the Published Preclinical Studies](#) 2021
F Gorjipour, L Hosseini Gohari, SJ Hajimiresmaiel, L Janani, Y Moradi, ...
Medical Journal of The Islamic Republic of Iran (MJIRI) 35 (1), 1279-1286
 10. [The Burden of Dementia due to Down Syndrome, Parkinson's Disease, Stroke, and Traumatic Brain Injury: A Systematic Analysis for the Global Burden of Disease Study 2019.](#) 2021
Neuroepidemiology. 55 (4), 286-296
 11. [BioEssays 12/2020](#) 2020
F Aliabadi, M Ajami, H Pazoki–Toroudi

12. [Nanomaterial integration into the scaffolding materials for nerve tissue engineering: a review](#) 2020
H Arzaghi, B Adel, H Jafari, S Askarian-Amiri, AS Dezfuli, A Akbarzadeh, ...
Reviews in the Neurosciences 31 (8), 843-872
13. [Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019](#) 2020
T Vos, SS Lim, C Abbafati, KM Abbas, M Abbasi, M Abbasifard, ...
The Lancet 396 (10258), 1204-1222
14. [Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019](#) 2020
CJL Murray, AY Aravkin, P Zheng, C Abbafati, KM Abbas, ...
The Lancet 396 (10258), 1223-1249
15. [Global age-sex-specific fertility, mortality, healthy life expectancy \(HALE\), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic ...](#) 2020
H Wang, KM Abbas, M Abbasifard, M Abbasi-Kangevari, H Abbastabar, ...
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16. [Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990–2019: a systematic analysis for the Global ...](#) 2020
R Lozano, N Fullman, JE Mumford, M Knight, CM Barthelemy, C Abbafati, ...
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17. [Five insights from the global burden of disease study 2019](#) 2020

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18. [Dose COVID-19 uncovered a new feature of Metronidazole Drug?](#) 2020
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19. [The potential of JAK/STAT pathway inhibition as a New Treatment Strategy to Control Cytokine Release Syndrome in COVID-19](#) 2020
M Seyedhamzeh, HO Othman, A aghajani Sharivar, F Aliabadi, ...

20. [Electrochemical oxidation and determination of antiviral drug acyclovir by modified carbon paste electrode with magnetic CdO nanoparticles](#) 2020
E Naghian, E Marzi Khosrowshahi, E Sohoul, HR Pazoki-Toroudi, ...

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21. [Simvastatin combined with bone marrow mesenchymal stromal cells \(BMSCs\) improve burn wound healing by ameliorating angiogenesis through SDF-1 \$\alpha\$ /CXCR4 pathway](#) 2020
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22. [Significant effect of simvastatin and/or ezetimibe-loaded nanofibers on the healing of femoral defect: An experimental study](#) 2020
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23. [Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017](#) 2020
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24. [Mapping Local Patterns of Childhood Overweight and Wasting in Low- And Middle-Income Countries Between 2000 and 2017](#) 2020

LBDDBM Collaborators

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25. [Preparation, characterization, and evaluation of the anticancer activity of Artemether-loaded Nano-Niosomes against breast cancer](#) 2020

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26. [Mapping routine measles vaccination in low- and middle-income countries](#) 2020

LBDVC Collaborators

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27. [Tailoring synthetic polymeric biomaterials towards nerve tissue engineering: a review](#) 2019

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28. [The effect of chrysin–curcumin-loaded nanofibres on the wound-healing process in male rats](#) 2019

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29. [Development and characterization of a novel conductive polyaniline-g-polystyrene/Fe₃O₄ nanocomposite for the treatment of cancer](#) 2019

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31. [Selenium nanoparticles for targeted stroke therapy through modulation of inflammatory and metabolic signaling](#) 2019
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33. [Lavender oil \(Lavandula angustifolia\) attenuates renal ischemia/reperfusion injury in rats through suppression of inflammation, oxidative stress and apoptosis](#) 2019
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35. [Mesenchymal stem cells from human amniotic membrane differentiate into cardiomyocytes and endothelial-like cells without improving cardiac function after surgical ...](#) 2019
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36. Evaluation of inflammatory response in patients undergoing surgical treatment for early and delayed femoral fractures 2019
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37. Three-dimensional graphene foams: synthesis, properties, biocompatibility, biodegradability, and applications in tissue engineering 2018
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38. EFFECTS OF TRANEXAMIC ACID ON INFLAMMATORY CYTOKINES IN CARDIOPULMONARY BYPASS SURGERIES FOR CORRECTION OF CONGENITAL HEART ANOMALIES IN PAEDIATRIC PATIENTS 2018
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39. Modified Ultrafiltration in Coronary Artery Bypass Grafting: A Randomized, Double-Blinded, Controlled Clinical Trial 2018
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40. Activation of mitochondrial KATP channels mediates neuroprotection induced by chronic morphine preconditioning in hippocampal CA-1 neurons following cerebral ischemia 2018
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41. Capsaicin protects against testicular torsion injury through mTOR-dependent mechanism 2018
N Javdan, SA Ayatollahi, MI Choudhary, S Al-Hasani, F Kobarfard, ...

42. [FOXO 1 targeting by capsaicin reduces tissue damage after testicular torsion](#) 2018
N Javdan, SA Ayatollahi, M Iqbal Choudhary, S Al-Hasani, ...
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43. [Atorvastatin treatment softens human red blood cells: an optical tweezers study](#) 2018
V Sheikh-Hasani, M Babaei, A Azadbakht, H Pazoki-Toroudi, A Mashaghi, ...
Biomedical optics express 9 (3), 1256-1261
44. [Biosynthesis of SeNPs by *Mycobacterium bovis* and their enhancing effect on the immune response against HBs antigens: an *in vivo* study](#) 2018
F Mavandadnejad, MH Yazdi, SM Hassanzadeh, M Mahdavi, ...
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45. [The role of nitric oxide on ischemic hippocampus during renal ischemic preconditioning](#) 2018
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Iranian Journal of Physiology and Pharmacology 1 (4), 249-242
46. [Application of electrospun gelatin nanofibers in tissue engineering](#) 2018
M Naghibzadeh, S Firoozi, FS Nodoushan, M Adabi, A Khoradmehr, ...
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49. [Inflammatory cytokine response and cardiac troponin I changes in cardiopulmonary bypass using two cardioplegia solutions; del Nido and modified St. Thomas': a randomized ...](#) 2017
F Gorjipour, MG Dehaki, Z Totonchi, SJ Hajimiresmaiel, R Azarfarin, ...
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50. [Therapeutic role of sirtuins in neurodegenerative disease and their modulation by polyphenols](#) 2017
M Ajami, H Pazoki-Toroudi, H Amani, SF Nabavi, N Braidy, RA Vacca, ...
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51. [Antioxidant nanomaterials in advanced diagnoses and treatments of ischemia reperfusion injuries](#) 2017
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Journal of Materials Chemistry B 5 (48), 9452-9476
52. [Targeting mTOR signaling by polyphenols: a new therapeutic target for ageing](#) 2016
H Pazoki-Toroudi, H Amani, M Ajami, SF Nabavi, N Braidy, PD Kasi, ...
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56. [Comparison of the protective effects of melatonin and silymarin against gentamicin-induced nephrotoxicity in rats](#) 2016
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Journal of evidence-based complementary & alternative medicine 21 (4), NP49-NP55
57. [Wound healing effects of curcumin: A short review](#) 2016
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59. [Various methods of gold nanoparticles \(GNPs\) conjugation to antibodies](#) 2016
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60. [The protective effect of remote renal preconditioning against hippocampal ischemia reperfusion injury: role of KATP channels](#) 2015
FZ Mehrjerdi, N Aboutaleb, H Pazoki-Toroudi, M Soleimani, M Ajami, ...
Journal of molecular neuroscience 57 (4), 554-560
61. [Improvement of Tissue Survival of Skin Flaps by 5 \$\alpha\$ -Reductase Inhibitors: Possible Involvement of Nitric Oxide and Inducible Nitric Oxide Synthase](#) 2015
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Medical journal of the Islamic Republic of Iran 29, 191
65. [Role of morphine preconditioning and nitric oxide following brain ischemia reperfusion injury in mice](#) 2015
M Arabian, N Aboutaleb, M Soleimani, FZ Mehrjerdi, M Ajami, ...
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SH Davoodi, M Ajami, SA Ayatollahi, K Dowlatshahi, G Javedan, ...
International journal of preventive medicine 5 (4), 447
67. [Caffeine prevented weight regain after calorie shifting diet induced weight loss](#) 2014
SH Davoodi, marjan ajami, A Mohseni-Bandpei, SA Ayatollahi, ...
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AM Hajimiresmaiel J1 , Davoodi H2 , Namazi N 3
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Iranian Journal of Nutrition Sciences & Food Technology 7 (5), 531-537

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Tehran University Medical Journal (TUMJ), 70 (8), 467-472
82. [Nitric oxide is necessary for diazoxide protection against ischemic injury in skeletal muscle](#) 2012
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83. [Effect of short and long-term treatment with omega-3 Fatty acids on scopolamine-induced amnesia](#) 2012
M Ajami, S Eghtesadi, R Habibey
Iranian journal of pharmaceutical research: IJPR 11 (2), 533
84. [Combination of azelaic acid 5% and clindamycin 2% for the treatment of acne vulgaris](#) 2011
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86. [The expression of heat shock proteins 27 and 105 in squamous cell carcinoma of the tongue and relationship with clinicopathological index](#) 2011
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Medicina oral, patologia oral y cirugia bucal 16 (6), 730-735
87. [Nitric oxide and renal protection in morphine-dependent rats](#) 2010
R Habibey, M Ajami, SA Ebrahimi, A Hesami, S Babakoohi, ...
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4. Morphine dependence protects rat kidney against ischaemia-reperfusion injury. Molecular, cellular, physiological, and pathogenic responses to hypoxia. *Vancouver, British Columbia, January 15-20, 2008*
5. Simvastatin ameliorates Gentamicin-induced renal injury. **Oral presentation**
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6. Opening of ATP-Dependent Potassium Channels Protects Against Anthralin-Induced Skin Lesions. **Oral presentation**
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ردیف	عنوان پایان نامه	عنوان دوره تحصیلی							محل انجام	اسامی همکاران به ترتیب اولویت	سمت در ارتباط با پایان نامه
		MPH	کارشناسی	کارشناسی ارشد	دکتری عمومی گروه پزشکی	دوره تخصصی	دکترا (Ph.D)	فوق تخصصی			
۱.	تاثیر عصاره کیپسایسن بر کاهش آسیب ناشی از ایسکمی خونرسانی مجدد بعد از چرخش بیضه در موشهای صحرائی نر						√		ع پ شهید بهشتی	راهنما	جاودان- آیت اللهی- پازوکی- کبارفرد
۲.	سنتز با راکتور آبگریز هوشمند حساسه PH جهت از بین بردن سلول سرطانی						√		دانشگاه علوم و صنعت	مشاور	نرگس صداقت- بهشتی- پازوکی
۳.	بررسی تاثیر ترکیب سیمواستاتین بارگذاری شده درون داربست نانوفیبری پلی کاپرولاکتون و ژلاتین به همراه نانوذرات سلنیوم بر ترمیم زخم				√				ع پ تهران	راهنما	فرقانی- اکبری- پازوکی- فیروز
۴.	تاثیر نانوذرات سلنیوم تزیین شده با آنتی بادی OX26 بر کاهش آسیب ناشی از ایسکمی کانونی مغزی در موشهای صحرائی نر ویستار						√		ع پ ایران	راهنما	حامد امانی- ابراهیمی- پازوکی- میراسماعیل-
۵.	تشخیص جهش در tRNA لیزین DNA میتوکندری و بررسی فراوانی آن در بیماران مبتلا به ملانوم یووال						√		دانشگاه آزاد اسلامی	مشاور	سنا اسکندری- هاشمی- پازوکی- ناصر پور
۶.	ارزیابی تجویز از تیمایب بر مارکرهای بقا سلولی در ایسکمی کلیه				√				دانشگاه آزاد اسلامی	راهنما	حیدری- پازوکی- عبدالقفاری

راهنما	جواد بیگی- پازوکی-عجمی	ع پ ایران					√		بررسی اثرات روغن لاوندر در مدل حیوانی بیماری سلیاک	۷
مشاور	آذر باباخانی- نوبخت- پازوکی- دهمرادی- حیدری	ع پ ایران		√					بررسی نقش کموکایین های CXCL12/CXCR4 در ترمیم زخم ناشی از سوختگی موش صحرایی با استفاده از مصرف همزمان سلولهای بنیادی فولیکول مو و داروی سیمواستاتین	۸
راهنما	شمیم سماوات- داوران- پازوکی	ع پ تبریز					√		بررسی اثر داربست های نانوفیبری نوع هسته پوسته پلی کاپرولاکتون-ژلاتین بر روی نکردهای بالغ	۹
راهنما	رزاز- کلانتری- پازوکی- زرین دست- حسینی- آگاه	ع پ شهید بهشتی		√					تعیین اثر مکمل یاری با اسیدهای چرب امگا ۳ بر یادگیری و ادراک کودکان پیش دبستانی و بررسی مکانیسم ملکولی آن بر روند اختلال حافظه، یادگیری و آپوپتوز بعد از ایسکمی رپرفیوژن هیپوکامپ رت	۱۰
راهنما	دباغیان- پازوکی- هورمند	ع پ ایران					√		تاثیر نانوذرات سلنیوم بر آسیب ناشی از ایسکمی کلیه با بررسی بیان mTORC1 و Yap1 در موشهای صحرایی نر بالغ	۱۱
راهنما	طاهره حسینی- شعبانی- پازوکی- شاهرودی	ع پ ایران					√		بررسی تاثیر نانوذرات سلنیوم بر میزان بیان ژن های MST1 و mTORC2 به دنبال آسیب ناشی از ایسکمی ریپرفیوژن کلیه در رت بالغ	۱۲
راهنما	نگار صمدتهرانی- احسانی- پازوکی	آزاد اسلامی رودهن					√		تاثیر داروی سیمواستاتین بر کاهش آسیب ناشی از ایسکمی بعد از چرخش بیضه در موش های صحرایی نر نژاد ویستار	۱۳

مشاور	جواد مهاجر-نوبخت- دهمره ایی- پازوکی- یاری	ع پ ایران		√					۱۴	بررسی اثر سمیواستاتین و سلول های مزانشیمی مشتق از مغز استخوان بر بیان CXCR4 و SDF1 در ترمیم مدل القای زخم ناشی از سوختگی در موش صحرایی
راهنما	فاضل گرجی پور-لادن حسینی- حمیدرضا پازوکی- جواد حاجی میر اسماعیل-محمدتقی جغتایی- ناهید ابوطالب	ع پ ایران		√					۱۵	بررسی بیان فاکتورهای دخیل در مسیر آنژیوژنز با تاکید بر مسیر سیگنالینگ SEMA-3E-PlexinD1-VEGF در مدل نارسایی قلب موش صحرایی و تغییرات آن پس از تزریق سلولهای بنیادی مزانشیمی
مشاور	مریم خلیا-ابوطالب- پازوکی- جزایری						√		۱۶	بررسی اثر پیوند های سلول های مزانشیمی مشتق از غشا آمینوتیک بر بیان پروتئین های p53, bc12, bax در مدل نارسایی قلبی موشهای صحرایی نر
مشاور	علی شیرانی-سبحانی-مقتدایی- پاروکی						√		۱۷	بررسی اثر داروی داکسی سایکلین در ترمیم پارگی تاندون آشیل در مدل حیوانی رت
مشاور	حمید مبارکی-سبحانی-مقتدایی- پازوکی						√		۱۸	بررسی اثر داروی اتورواستاتین در ترمیم پارگی تاندون آشیل در مدل حیوانی رت
راهنما	زهرا حمزه-سبحانی- پازوکی- غزنوی						√		۱۹	بررسی اثر داروی سیپروفلوکساسین در ترمیم پارگی تاندون آشیل در مدل حیوانی رت
راهنما	محمد حسین کریمی-پازوکی- سبحانی						√		۲۰	بررسی تفاوت آسیب های ناشی از خونرسانی مجدد بافتی در عضلات اسکلتی موش در گروه دریافت کننده داکسی سیکلین در مقایسه با گروه کنترل
راهنما	مسلم کریمی-سبحانی-پازوکی- پناهی						√		۲۱	بررسی اثر داروی ارلیستات در ترمیم پارگی تاندون آشیل در مدل حیوانی رت

راهنما	افشین فرخی-سبحانی-پازوکی-پناهی					√				بررسی اثر داروی سیمواستاتین در ترمیم پارگی تاندون آشیل در مدل حیوانی رت
راهنما	نیکو رزاقی-سبحانی-پازوکی-پناهی					√				بررسی تغییرات پاتولوژیک و بافتی را رنگ آمیزی هماتوکسیلین و اتوزین عضله اسکلتی در آسیب ایسکمی خونرسانی مجدد با آماده سازی بعدی با داروی اترواستاتین در موش صحرائی
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مشاور	فاطمه پیری-دلوران-بابازاده-پازوکی			√						تهیه و ارزیابی in vitro نانو الیاف پلی پورتان ...

Medical Thesis & Dissertations ۲۰۱۶_Now

Medical Thesis & Dissertations 1993 - 2013

1. Evaluation of effect of conjugated linoleic acids(CLA) on the apoptotic and oxidative stress pathways in renal ischemia reperfusion injury rats. Tehran University of Medical Sciences, Department of Nutrition.
By Gholamali Javedan (**PhD Thesis, Nutrition**), Supervisor H. R Pazoki, 2013.
2. Study on the effects of boiled 'garlic-lime' on physiological parameters of atherosclerosis in adult male rats. Shaid Behshti University of Medical Sciences, Department of Nutrition.
By Saeed Osati (**PhD Thesis, Nutrition**), Consultant: H. R Pazoki, 2013.
3. Effect of pomegranate juice consumption on sepsis induced oxidative stress, inflammatory response and clinical progress in CLP model of sepsis in rats. Tehran University of Medical Sciences, Department of Nutrition.
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5. Evaluation of the role of antiapoptotic and mTOR signaling pathways in protective effects of renal remote preconditioning against Brain Ischemia reperfusion induced injuries.
By Zare (**PhD Thesis, Physiology**), Supervisor, H. R Pazoki and N Abotaleb, 2013.
 6. Evaluation of the apoptotic and antiapoptotic pathways in the effects of omega-3 fatty acids on renal ischemia reperfusion injury of 1K1C rats.
By Nassim Namazi (**MSc Thesis, Nutrition**), Supervisor, H. R Pazoki, 2011.
 7. Expression of Bcl-2 and Bax after hippocampal ischemia in omega-3 fatty acids treated rats.
By: Jalaladin Mirzay razaz (**PhD Thesis, Nutrition**), Supervisor, H. R Pazoki, 2013.
 8. The effect of pretreatment with DHA+EPA on scopolamine induced amnesia; related molecular pathways: mTOR, Apoptosis.
By: Marjan Ajami (**PhD Thesis, Nutrition**), Consultant, H. R Pazoki, 2011.
 9. The effect of Azelaic Acid 20% on skin flap necrosis in rats.
By: Fatemeh BaniArab. (**Pharm D Thesis**). Azad university of Medical Sciences. Supervisors: H. R Pazoki and A Firooz. 2010
 10. The effects of Azelaic acid treatment on Bcl-2 protein expression and viability of skin flaps in rats
By: Hamed Salmani. (**Pharm D Thesis**). Azad university of Medical Sciences. Supervisors: H. R Pazoki and A Firooz. 2010
 11. The effect of Saffron extract on gentamicine induced renal toxicity in rats.
By: Amir Akhavan. (**Pharm D Thesis**). Azad university of Medical Sciences. Supervisors: H. R Pazoki, M Ajami. A Firooz. 2009.
 12. The effects of oxytocine on renal ischemia reperfusion injurey in 1K1C rats and its intraction with ATP sensitive potassium channels (KATP channels).
By: Ali Rastguo Ghamsari. (**Pharm D Thesis**). Azad university of Medical Sciences. Supervisors: H. R Pazoki, Professor H Homayounfar, 2008.
 13. The effect of KATP modulators in the expression of BCL-2 gene in neocortex ischemia reperfusion injury in rats.
By: *Mansoureh Soleimani*. (**PhD Thesis, Anatomy**) Supervisors: Professor M. Mehdizadeh, , Advisor: H. R Pazoki, M.T. Joghataei. 2006.
 14. The effect of morphine dependence on renal ischemia reperfusion Injury in rats, By: *R. Habibi*. (**MSc Thesis, Physiology**). Supervisor: H.R Pazoki, Advisor: N. Abutalleb, Professor Salek. 2006
 15. The effect of cold water immersion on contractile activity of fundus strips of rats, By: *Z. T. Gorabi*. (**MSc Thesis, Physiology**). Supervisors: H.R Pazoki, M. T. Hosseini. 2004.
 16. The effect of prostaglandins, histamine and PAF on PMMA induced bone histopathology,

By: *Dr. A. Shaghaghi and Dr. P. N. Sabeti*. **For the degree of Specialist of Orthopaedic**. Supervisors: H.R Pazoki, Professor Farahini. 2004

17. The effect of poly lipo sacharides on serum levels of insulin and glucose in rats ,
By: *B. A. Beiragh*. (**MSc Thesis, Biochemistry**). Supervisor: Professor Shaebani. Advisor: H.R pazoki, Professor Firoz Raey. 2004.
18. The effect of simvastatin in improving gentamicin inducedrenal injury in rats,
By: *Dr. Z. Rostami*. **For the degree of Specialist internal medicine**. Supervisors: H.R Pazoki, Professor Jabari. 2004.
19. The effect of 5-ASA as a free radical scavenger on renal ischemia reperfusion injury in rats,
By: *S. Banaei*. (**MSc Thesis, Physiology**). Supervisors: H.R Pazoki, Professor Homayounfar. 2002.
20. The protective effect of captopril and enalapril on rat renal ischemia reperfusion And it's relation to AT1 receptors,
By: *B. Seifi*. (**MSc Thesis, Physiology**). Supervisor: H.R Pazoki. Adviser: Professor H. Homayounfar. 2001.
21. The intraction of digoxin, Na/K ATP pump antagonist and Diazoxide, KATP chaneel opener in renal ischemia reperfusion of rat,
By: *Fatemeh Fathi*. (**Pharm D Thesis**) Tehran University of Medical Sciences.
Supervisor: H.R Pazoki. 2002
22. The interaction of rennin angiotensin (RAS) system and KATP channels on renal ischemia reperfusion injury in rats,
By:*Dr. M. R. Salim*. Code; 10164. **For the degree of Specialist in Internal medicine**. Supervisor: H.R Pazoki, Advisor: Professor A. Jenabi. 2001.
23. The assessment of the effect of captopril and losartan on rat renal ischemia injury. By: *Dr. S Vahidi*. No. 135. **For the degree of Specialist of Urology**. Supervisors: H.R Pazoki, Professor Zargar. 2001.
24. The effect of captopril and losartan on dithranol induced skin inflammation in rats,By: *Marjan Soleimani*, Code: 18689. **For the degree of doctor in medicine**, Supervisors: Professor Y. Dowlati, H.R Pazoki, Professor Nasiri kashani. 2000.
25. The role of KATP channels on renal ischemia reperfusion injury in rats,
By: *Dr. Ali Hesami*. Code: 430. **For the degree of Specialist of Pathology**. Supervisors: H.R Pazoki, Professor M. Asgari. 2000.
26. The effect of KATP agonists and antagonist on dithranol induced skin inflammation in rats,
By: *F. Malekzadeh Kebria*. (**Pharm D Thesis**). Supervisors: H.R Pazoki, Professor Y. Dowlati, Professor B. Djahanguiri. 2000.
27. Comparison of Serum Zinc concentration between Healthy individuals and Diabetes Type 2 patients using atomic absorption method,
By: *B. Sheikhasani*. (**Pharm D Thesis**). Supervisors: Professor S.S. Sadr, Professor. B. Larijani, H.R. Pazoki.

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28. The effect of Vanadium on the gastric ulcers induced by indomethacin and ethanol,
By: *S. Nickeghbalian*. (**Pharm D Thesis**). Supervisors: Professor S.S. Sadr, Professor. B. Djahanguiri. H.R. Pazoki. 2000.
- 29. Assessment of the physiologic effect of transmembrane K concentration on gastric acid secretion of rats.**
By: HamidReza Pazoki Toroudi. (PhD Thesis, Physiology). Supervisors: Professor F. Shadan. Professor B. Djahanguiri. 1999
30. The topical effect of dithranol on induction of epidermal hyperproliferation in normal skin of rats, No. 3921.
By: *M. Shahbakhti*. (**Pharm D Thesis**). Supervisors: Y. Dowlati, H.R. Pazoki. Advisors: Professor H. Farsam, Professor Nouri. 1998
31. The topical effect of garlic and Dithranol on the process of local dermal inflammation and proliferation in rats,
By: *Jamali*. (**Pharm D Thesis**). Supervisors: Professor Y. Dowlati, H.R. Pazoki. 1998
32. The assessment of the effect of Cromium on indomethacin induced acute gastric ulcers.
By: *M. Kolahdouzha*. (**Pharm D Thesis**). Supervisor: Professor S.S. Sadr, Professor. B. Djahanguiri. H.R. Pazoki. 1998.
33. The assessment of effect of topical metronidazole on Rosacea Ance.
By: *H.R. Daneshi*. (**Pharm D Thesis**). Supervisors: Professor: Y. Dowlati, H.R. pazoki. 1998.
34. Assessment of the effect of oral contraceptive drugs and Low Dose tablets on serum Cu and Zn concentration. No. 3867.
By: *Ali Farshbaf*. (**Pharm D Thesis**). Supervisors: Professor S. S. Sadr and H. R. Pazoki. 1997.
35. Assessment of the effect of different cryoprotectants agents on cryopreservation of the liposomes,
By: *Naser Arab*. (**Pharm D Thesis**). Supervisors: Professor Toliaat. Advisors: H R Pazoki. 1997.
- 36. Assessment of the genetic role of iso enzyme Cyp2D in the metabolism of debrizokin using computational Molecular Biology.**
By: HamidReza Pazoki Toroudi, For (Pharm D Thesis). Supervisor: Prof. Mahmoodian. 1993.

Research Cooperations:

- 1- **Evaluation of the role of morphine dependence on hippocampal Ischemia reperfusion injurie and involved molecularmechnisms in this effect.** Tehran University of Medical Sciences, Physiology Research Center, 2011. PhD student Thesis, In practical process.
- 2- **Evaluation of the role of antiapoptotic and mTOR signaling pathways in protective effects of renal remote preconditioning against Brain Ischemia reperfusion induced injuries.** Tehran University of Medical Sciences, Physiology Research Center, 2011. PhD student Thesis, In practical process.

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- 3- **Evaluation of the apoptotic and antiapoptotic pathways in the effects of omega-3 fatty acids on renal ischemia reperfusion injury of 1K1C rats.** Tehran University of Medical Sciences, Physiology Research Center, 2011. MSc Thesis, In practical process.
 - 4- **Evaluation of apoptotic and anti apoptotic proteins expression (Bcl2-Bax-Bad-mTOR) in leishmaniasis skin lesions.** Center for Research and Training in Skin Diseases and Leprosy, Tehran University of Medical Sciences. 2011, In practical process.
 - 5- **Evaluation of the effect of long term treatment with Omega-3 fatty acids on skin flap necrosis in rats.** Center for Research and Training in Skin Diseases and Leprosy, Tehran University of Medical Sciences. 2011, Under review
 - 6- **The role of antiapoptotic and mTOR signaling pathways in fatty acids induced hippocampal preconditioning against ischemia reperfusion injury.** Nanomedicine and Tissue engineering center, Shahid beheshti university of medical sciences. 2010.
 - 7- **Chemical preconditioning by omega 3 fatty acids on ischemic hippocampus in rats.** Nanomedicine and Tissue engineering center, Shahid beheshti university of medical sciences. 2010.
 - 8- **Evaluation of the role of calorie shifting diet (CSD) in weight loss of overweight and obese subjects.** Physiology Research Center & Faculty of Nutrition Sciences & Food Technology, Shahid Beheshti University of Medical Sciences & Health Services. 2011. Under review.
 - 9- **A comparative study between calorie shifting diet and calorie restriction diet in obese subjects.** Physiology Research Center & Faculty of Nutrition Sciences & Food Technology, Shahid Beheshti University of Medical Sciences & Health Services. 2011. Under review
 - 10- **Evaluation of the role of Capsaicin in weight loss of overweight and obese subjects.** Tehran University of Medical Sciences, Physiology Research Center, 2011. Under review.
 - 11- **Evaluation of the Conjugated Linoleic Acid on weight loss parameters and resting metabolic rate in overweight subjects.** Tehran University of Medical Sciences, Physiology Research Center, 2011. Under review.
 - 12- **Evaluation of the role of Green Tea Extract in weight loss of overweight and obese subjects.** Tehran University of Medical Sciences, Physiology Research Center, 2011. Under review.
 - 13- **Evaluation of apoptotic or anti apoptotic proteins expression (Bcl2-Bax-Bad-mTOR) in different leishmaniasis lesions.** Center for Research and Training in Skin Diseases and Leprosy, Tehran University of Medical Sciences. 2011, Under process.
 - 14- **Evaluation the effects of saffaron aloe vera gel on skin quality.** Center for Research and Training in Skin Diseases and Leprosy, Tehran University of Medical Sciences. 2010
 - 15- **Simvastatin attenuated renal ischemia reperfusion injury; a role for ATP sensitive potassium channels (KATP).** Islamic Azad University, Najaf Abad Branch. 2010.
 - 16- **Evaluation of the combination of Azelaic acid 5%, Clindamicin 2% in treatment of Acne Vulgaris: randomized double blind study.** Isfahan University of Medical Sciences. 2009
 - 17- **Evaluation of the effect of Adapalene 2.5% + benzoyl peroxide 5% on mild to moderate acne vulgaris: double blind randomized study.** Skin Disease & Leshmaniasis Research center, Isfahan University of Medical Sciences. 2009
 - 18- **Comparison of the combination of minoxidil 5%, Caffeine 1%, Azelaic acid 5% and Betamethazone 0.25% with mainoxidil 5% alone in treatment of Androgenetic alopecia: randomized double blind study.** Center for Research and Training in Skin Diseases and Leprosy, Tehran University of Medical Sciences. 2009

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- 19- **Comparison of the combination of minoxidil 5% and Saw palmetto^v %, with mainoxidil 5% alone in treatment of Androgenetic alopecia: randomized double blind study.** Center for Research and Training in Skin Diseases and Leprosy, Tehran University of Medical Sciences. 2009
- 20- **Comparison of the combination of minoxidil 5% and Caffeine 1%, with mainoxidil 5% or caffeine 1% alone in treatment of Androgenetic alopecia: randomized double blind study.** Center for Research and Training in Skin Diseases and Leprosy, Tehran University of Medical Sciences. 2009
- 21- **Evaluation of the role of antiapoptotic and mTOR signaling pathways in protective effects of Brain Ischemic preconditioning against Ischemia reperfusion induced injuries.** Nanomedicine and Tissue engineering center, Shahid beheshti university of medical sciences. 2009
- 22- **Role of ATP sensitive potassium channels in Oxycytocine induced renal protection against ischemia reperfusion injury.** Iran University of Medical Sciences, and Islamic Azad University . 2008
- 23- **Evaluation the effects of Xalatan or latanoprost on growth of eyelash and eyebrow hairs of patients with alopecia areata.** Center for Research and Training in Skin Diseases and Leprosy, Tehran University of Medical Sciences. 2007.
- 24- **Simvastatin ameliorates Gentamicin nephrotoxicity in rat.** Iran University of Medical Sciences, Department of Physiology.2005.

Scientific Societies & Distinctions

- 1999** Membership of Iranian Society of Physiology & Pharmacology
- 1998** Gold Medal in Iran Physiology Board Examination
- 1994** Membership of Iranian Society Pharmacists
- 1994** Permanent Registration with Iran Medical Council

Skills

1. Tissue Ischemia and Reperfusion (In vivo, In vitro and Ex vivo)
 2. Animal Organ Transplantation
 3. Animal surgery Techniques in most of organs
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4. Cell Signaling and Signal Transduction
 5. Apoptosis
 6. Immunohistochemistry
 7. Electrophoresis
 8. Western Blotting
 9. Electronic microscope imaging
 10. Behavioral Tests
 11. Skin flap viability
 12. Stereotaxy
 13. Drug delivery
 14. Addiction model in animals
 15. Computational molecular biology
 16. Nuclear magnetic resonance imaging (NMR)
 17. x-ray crystallography
 18. Spectrophotometer (UV, IR)
 19. Mass Spectrophotometer
 20. High Performance Liquid Chromatography HPLC

Research Interests

- 1- Ischemia and reperfusion of Liver, Brain, Skin, Kidney and Stomach.
 - 2- Mechanisms of wound healing.
 - 3- Mechanisms of apoptosis.
 - 4- Nanophase biomaterials for tissue engineering and drug delivery
 - 5- Stem cells Therapy and Tissue engineering in hair loss
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6- Mechanisms of Alzheimers disease, learning and memory.

7- Evidence Based Medicine (EBM) and Global Burden of Disease

سابقه فعالیتهای آموزشی

سال ۱۳۷۵ تا ۱۳۷۷: تدریس در دانشگاه علوم پزشکی تهران (دانشکده های پزشکی، دندانپزشکی، پرستاری، پیراپزشکی)

سال ۱۳۷۹ تا ۱۳۸۵: تدریس در دانشگاه علوم پزشکی ایران (دانشکده های پزشکی، پرستاری، پیراپزشکی و گروههای کارشناسی ارشد آناتومی، فیزیولوژی، فیزیک پزشکی و ویروس شناسی)

سال ۱۳۸۴ تا ۱۳۸۵: تدریس در دانشگاه علوم پزشکی ایران (دانشکده های پزشکی دانشجویان تخصصی طب ورزش)

سال ۱۳۸۳ تا ۱۳۸۵: تدریس در دانشگاه علوم پزشکی ایران (دانشکده بهداشت، دانشجویان PhD تغذیه)

سال ۱۳۸۵ تا ۱۳۸۶: تدریس در دانشگاه علوم پزشکی ایران، دانشکده پیراپزشکی

سال ۱۳۸۷: تدریس در دانشگاه علوم پزشکی تهران (دانشجویان کارشناسی پرستاری)

سال ۱۳۹۳ تا ۱۴۰۱: تدریس در دانشگاه علوم پزشکی ایران (دانشکده های پزشکی، پرستاری، پیراپزشکی و گروه های **Ph.D** فیزیولوژی و کارشناسی ارشد آناتومی، فیزیولوژی، فیزیک پزشکی و ویروس شناسی)

شرکت در کارگاه آموزشی داخلی یا خارجی:

دوره های آموزشی خارجی:

- How to write an International Article. 29 oct.2014
-
- Clinical Research and Drug Safety: A step forward in Iran , 19 Dec.2013
-
- Discuss Diagnosis, Treatment and Prevention of Cancer and Related Disease. **Dana-Farber Cancer Institute, the Harvard Medical School.** Boston, MA 02215, December 2006
- Discuss Current Medical Research. **Centers for Disease Control** and Prevention (**CDC**). Atlanta, GA 30326, USA, 2006.
- Leadership and financial support to researchers around the U.S. and internationally. **National Institutes of Health (NIH)**, The **Fogarty International Center (FIC)**, USA. 2006.
- An integrated approach to food safety:
- Introduction and application in Iran
- Held online by WCDI, Wageningen, The Netherlands, June 14 - July 12, 2021(I have received certificate A.)

- Integrated approach to food safety in Iran;
- food defence and food fraud
- held online by WCDI, Wageningen, the Netherlands, 14 June – 12 July 2021
- Wageningen, 12 July 2021(I have received certificate C.)

- Crisis management
- held online by WCDI, Wageningen, the Netherlands, 14 June – 12 July 2021(I have received certificate B.)
-

دوره های آموزشی داخلی:

- کارگاه روشهای ارزشیابی بالینی(۲)، ۹۳/۹/۱۰
- کارگاه روشهای ارزشیابی بالینی(۱)، ۹۳/۹/۳
- کارگاه اصول و روشهای ارائه آموزش و مشاوره رفتار سلامتی به جامعه از طریق رسانه های ارتباط جمعی ، ۹۳/۸/۲۷
- کارگاه سرقت ادبی و چگونگی کار با نرم افزارهای تشخیص آن، ۹۳/۸/۲۶
- کارگاه پزشکی مبتنی بر شواهد مقدماتی، ۹۳/۸/۱۹
- کارگاه ارتباط موثر در عرصه آموزش با تاکید بر روابط استاد و دانشجو، ۹۳/۸/۷
- کارگاه مرور نظام مند و متا آنالیز، ۱۵ و ۹۳/۷/۱۶
- کارگاه آشنایی با شیوه نگارش مقالات علمی، ۹۳/۷/۲۹
- کارگاه تاریخ علم و تمدن اسلامی ۱، ۱۲ تا ۹۳/۶/۱۴
- سمینار یک روزه اخلاق پزشکی ب.شهبید هاشمی نژاد، ۹۳/۵/۱۶
- مدیریت فرایندی تحقیقات، آذرماه ۹۲
- اصول و کاربردی کروماتوگرافی مایع- طیف سنجی جرمی(LC-Mass)، ۹۰

- کارگاه کارآزمایی بالینی بهینه (Good Clinical Practice: GCP) دانشگاه علوم پزشکی تهران 1389
- کارگاه مدیریت منابع (Reference Management) دانشگاه علوم پزشکی تهران ۱۳۸۳
- کارگاه کاربرد SPSS در تحلیل آماری دانشگاه علوم پزشکی تهران ۱۳۸۳
- مجری کارگاه پرفیوژن ارگان دانشگاه علوم پزشکی تهران ۱۳۸۲
- کارگاه "روش تحقیق کمی" - دانشکده علوم بهزیستی و توانبخشی ۱۶ تا ۱۹/۶/۸۱

تشویقات و جوایز:

- پژوهشگر و نویسنده مسئول مقاله برگزیده سال ۱۳۹۹ دانشگاه علوم پزشکی ایران
- پژوهشگر برتر دانشگاه در زمینه پژوهشگر دارای H index بالای ۱۵ سال ۱۳۹۷ دانشگاه علوم پزشکی ایران
- همکار تحسین شده توسط جهاد دانشگاهی واحد علوم پزشکی تهران. فصلنامه لیزر پزشکی ۱۳۹۰ شماره ۳۹ تا ۴۰
- همکار تحسین شده توسط جهاد دانشگاهی واحد علوم پزشکی تهران. فصلنامه لیزر پزشکی ۱۳۸۹ شماره ۳۵ تا ۳۸
- نفر اول تخصصی فیزیولوژی سال ۱۳۷۷
- پژوهشگر نمونه سال ۱۳۸۲ دانشگاه علوم پزشکی ایران
- محقق تحسین شده توسط پژوهشکده گیاهان دارویی جهاد دانشگاهی
- انتخاب به عنوان عضو کمیته پژوهشی ، دانشکده پزشکی دانشگاه علوم پزشکی ایران ۱۳۸۳ الی ۱۳۸۵
- پژوهشگر برتر دانشگاه در زمینه ابداع و اختراعات مخترع برتر در بین اعضای هیئت علمی در سال ۱۳۹۳
- تقدیر نامه از سومین نمایشگاه کار آفرینی و دستاوردهای بازنشستگان رسانه ملی - صدا و سیما جمهوری اسلامی ایران، ۱۳۹۳