

مهرداد فیضی

استاد دانشگاه

گروه فارماکولوژی - سم شناسی، دانشکده داروسازی

دانشگاه علوم پزشکی شهید بهشتی، تهران، ایران.

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سوابق تحصیلی:

۱۳۸۶-۱۳۸۷: دوره ی پسا دکتري در رشته نوروفارماکولوژی، گروه نورولوژی و علوم اعصاب، دانشکده پزشکی

دانشگاه استنفورد، ایالات متحده آمریکا.

۱۳۷۶-۱۳۸۲: دکترای تخصصی فارماکولوژی، دانشگاه علوم پزشکی ایران، تهران، ایران.

عنوان پایان نامه: مطالعات الکتروفیزیولوژی و فارماکولوژی دو مسدود کننده جدید کانال های

کلسیم؛ مبودیپین و دیبودیپین

۱۳۶۷-۱۳۶۱: دکترای عمومی داروسازی (Pharm. D.)، دانشگاه تهران، تهران، ایران.

عنوان پایان نامه: مطالعه غلظت های مختلف کلونیدین بر ایلئوم جدا شده از خوکچه هندی

سوابق شغلی:

۱۳۹۹- اکنون: مدیر گروه فارماکولوژی و سم شناسی دانشکده داروسازی دانشگاه علوم پزشکی شهید بهشتی

۱۳۹۵- اکنون: استاد گروه فارماکولوژی و سم شناسی دانشکده داروسازی دانشگاه علوم پزشکی شهید بهشتی

۱۳۹۵-۱۳۹۰: دانشیار گروه فارماکولوژی و سم شناسی دانشکده داروسازی دانشگاه علوم پزشکی شهید بهشتی

۱۳۸۷-۱۳۸۹: پژوهشگر تحقیقات علوم زیستی، آزمایشگاه علوم اعصاب رفتاری و عملکردی استنفورد، دانشکده

پزشکی دانشگاه استنفورد

۱۳۸۶-۱۳۸۶: استادیار مدعو، گروه نورولوژی و علوم اعصاب، دانشکده پزشکی دانشگاه استنفورد

۱۳۸۵-۱۳۸۲: استادیار، گروه فارماکولوژی و سم شناسی، دانشکده داروسازی دانشگاه علوم پزشکی شهید

بهشتی

۱۳۸۶-۱۳۷۰: عضو هیئت علمی گروه فارماکولوژی و سم شناسی، دانشکده داروسازی دانشگاه علوم پزشکی

شهید بهشتی

۱۳۶۹-۱۳۶۵: مشاور و کارشناس علمی شرکت داروسازی دارو پخش، تهران، ایران

زمینه های علاقمندی و مهارت ها:

- مدل های فارماکولوژیک *in vivo* برای تحقیقات پیشرفته کشف دارو در زمینه اختلالات عصبی، درد، التهاب، صرع، اسکیزوفرنی، افسردگی، اضطراب و سکته مغزی
- متخصص در انجام آزمون های رفتاری *running behavioral learning* و *memory tasks* مانند *Fear*
- *conditioning*, *Novel object recognition*, *Conditional palace preference*, *Barnes Maze*, *T-Maze*, *Active and passive avoidance*, *Morris water maze* و آزمون های حافظه اجتماعی و تعامل اجتماعی در حیوانات آزمایشگاهی
- مدل های موش تراریخته از اختلالات عصبی، از جمله بیماری آلزایمر، سندرم داون، بیماری هانتینگتون، و اوتیسم (فنوتیپ سازی، مطالعات فارماکولوژیک، اصلاح نژاد)
- روش های ایمنوسیتوشیمیایی و هیستوشیمیایی (مانند *Timm's staining* و *Silver staining*) با استفاده از میکروسکوپ های نوری و فلورسنت
- تجزیه و تحلیل تصویر من جمله تکنیک های *Stereological* (مانند برنامه های *Image pro-Plus* و *Stereologer*)
- مطالعات الکتروفیزیولوژیک کانال های یونی، *Intra-cellular recording* با استفاده از تکنیک های *Voltage clamp* و *Current clamp*

- تکنیک های زیست شناسی مولکولی، شامل PCR و QPCR، وسترن بلات
- استفاده از داروهای بیهوشی و تکنیک های جراحی در جوندگان، تزریق و کانولاسیون مغز و روش های استریوتاکسیک و همچنین جراحی مغز و دستکاری عروق.

بورسیه ها و کارگاه های آموزشی:

۲۰۰۵: سه ماه فلوشیپ در گروه فارماکولوژی، دانشگاه وین، اتریش، به عنوان پژوهشگر مهمان (متمرکز بر الکتروفیزیولوژی)

۱۳۸۲: کارگاه آموزشی کاربرد HPLC در آنالیز داروها در مایعات بیولوژیکی، دانشگاه علوم پزشکی شهید بهشتی، تهران، ایران.

۱۳۸۰: کارگاه آموزشی مصرف مواد مخدر در سالمندان، دانشگاه علوم پزشکی شهید بهشتی، تهران، ایران.

سوابق علمی و اجرایی:

▪ ۱۳۹۳ تا کنون: عضو هیئت تحریریه مجله Iranian Journal of Pharmaceutical Research journal (IJPR)

▪ ۱۳۹۲ تا کنون: عضو هیئت تحریریه مجله Iranian Journal of Pharmaceutical Science journal (IJPS)

▪ ۱۳۹۴ تا کنون: عضو هیئت تحریریه مجله Journal of Cellular & Molecular Anesthesia

- ۱۳۹۱ تا کنون: عضو شورای تحقیقات مرکز تحقیقات علوم دارویی دانشگاه علوم پزشکی شهید بهشتی.
- ۱۳۸۹ تا کنون: عضو کمیته EDO دانشکده داروسازی دانشگاه علوم پزشکی شهید بهشتی.
- ۱۳۸۶-۱۳۸۲: عضو کمیته اجرایی مجله Iranian Journal of Pharmaceutical Research
- ۱۳۸۵-۱۳۸۱ و ۱۳۸۹ تا کنون: عضو شورای تحقیقات دانشکده داروسازی دانشگاه علوم پزشکی شهید بهشتی.
- ۱۳۹۰ تا کنون: عضو شورای تحقیقات، مرکز تحقیقات طب سنتی و مفردات پزشکی دانشگاه علوم پزشکی شهید بهشتی.
- ۱۳۸۸-۱۳۸۶ (۲۰۱۰-۲۰۰۸): عضو انجمن علوم اعصاب، واشنگتن دی سی. ایالت متحده آمریکا.
- ۱۳۷۷ تا کنون: عضو انجمن فیزیولوژی و فارماکولوژی ایران.
- ۱۳۸۱ تا کنون: عضو انجمن داروسازان ایران.

جوایز:

۱۳۹۱: جایزه سالانه بهترین مدرس در حوزه آموزش، دانشگاه علوم پزشکی شهید بهشتی

۱۳۸۵: استادیار مدعو در موسسه علوم اعصاب دانشگاه استنفورد به مدت یک سال

۱۳۸۳: پژوهشگر مهمان برای پژوهش در گروه فارماکولوژی و سم شناسی، دانشگاه وین، اتریش (۳ ماه؛ متمرکز بر الکتروفیزیولوژی)

۱۳۷۵-۱۳۸۲: اخذ گرنه مسافرتی متعدد از سوی شورای تحقیقات دانشگاه علوم پزشکی شهید بهشتی برای شرکت در همایش های بین المللی. این جوایز در سال های ۱۹۹۷ (دانمارک)، ۱۹۹۸ (هلند)، ۱۹۹۹ و ۲۰۰۰ (بریتانیا)، ۲۰۰۱ (سنگاپور)، ۲۰۰۳ (استرالیا)، ۲۰۰۴ (ایتالیا)، ۲۰۰۷ (ایالات متحده آمریکا) دریافت شدند.

۱۳۷۶: جایزه محقق جوان از انجمن بین المللی آلزایمر، "ششمین کنفرانس بین المللی بیماری آلزایمر و اختلالات مرتبط (۱۸-۲۳ ژوئیه ۱۹۹۸، آمستردام، هلند)

۱۳۷۰: چاپ کتاب سال ایران در رشته پزشکی توسط گروه مطالعات علمی شرکت داروسازی دارو پخش، تهران، ایران. این کتاب در سال ۱۳۷۰ به عنوان کتاب سال ایران در رشته کتب پزشکی انتخاب شد. هیئت تحریریه با اهدای جایزه و جایزه نقدی از سوی رئیس جمهور وقت ایران تجلیل شدند.

اختراع بین المللی:

- روشی برای تقویت یادگیری و اختلال حافظه توسط آسیب های نورودژنراتیو و ترکیبات موثر بر آن.
- شماره ثبت اختراع بین المللی: US Patent Number: 9072746 B2
- شماره شناسه: US 20130096126 A1
- تاریخ ثبت: ۲۲ آوریل ۲۰۱۱

تاریخ صدور: ۷ جولای ۲۰۱۵

شماره ثبت اختراع خارجی: WO 98/09523

مسئولان: هیئت امنای دانشگاه Leland Stanford Junior

مخترعان: Shamloo M, **Faizi M**, Mobley W.

مقالات چاپ شده:

- 1) Kamranfar F, Pourahmad Jaktaji R, Shirani K, Jamshidi A, Samiei F, Arjmand A, Khoramjouy M, **Faizi M**, Pourahmad J; Protective effect of a standardized *Allium jesdianum* extract in an Alzheimer's disease induced rat model. *Neuroscience Letter* 2023 Oct 15;815:137491. Doi: 10.1016/j.neulet.2023.137491
- 2) Arjmand A, **Faizi M**, Rezaei M, Pourahmad J; The Effect of Donor Rat Gender in Mitochondrial Transplantation Therapy of Cisplatin-Induced Toxicity on Rat Renal Proximal Tubular Cells. *Iranian Journal of Pharmaceutical Research* 2023, 22(1),e135666.
- 3) Ghorbannia-Dellavar S, Farimani MM, Pahlevani AH, Khoramjouy M, Mosaddegh M, **Faizi M**; Antinociceptive activity of Iranian Euphorbia species in mice: Preliminary phytochemical analysis of *Euphorbia malleata*. *South African Journal of Botany* 2023, 159:532-543.
- 4) Talebi M, Khoramjouy M, Feizi A, Ayatollahi SA, **Faizi M**; Novel multi-target therapeutic potential of the genus *Inula*: Advances and opportunities for neuroprotection. *Pharmacological Research - Modern Chinese Medicine* 2023, 7,100263.
- 5) Bayanati M, Khoramjouy M, **Faizi M**, Mahboubi-Rabbani M, Zarghi A; Novel Benzo[4,5]imidazo[1,2-a]pyrimidine derivatives as selective Cyclooxygenase-2 Inhibitors: Design, synthesis, docking studies, and biological evaluation. *Medicinal Chemistry Research* 2023, 32(3): 495-505.
- 6) Khosrowpour Z, Fahimi S, Jafari F, Tansaz M, Sahranavard S, **Faizi M**; Beneficial effects of *Teucrium polium* hydroalcoholic extract on letrozole-induced polycystic ovary syndrome in rat model. *Obstetrics and Gynecology Science* 2023, 66(2): 107-117.

- 7) Rezaee E, Ahmadi F, Shabaninia M, Khoramjouy M, Azizi Farsani Z, Shahhosseini S, Tabatabai SA, **Faizi M**; Novel 2-substituted-5-(4-chloro-2-phenoxy)phenyl-1,3,4-oxadiazole derivatives, ligands of gabaa/benzodiazepine receptor complex: design, synthesis, radioligand binding assay, and pharmacological evaluation. *EXCLI Journal* 2023, 22: 250-262.
- 8) Mohebichamkhorami F, **Faizi M**; Mahmoudifard M, Hajikarim-Hamedani A, Mohseni S, Heidari A, Ghane Y, Khoramjouy M, Khayati M, Ghasemi R, Zali H, Hosseinzadeh S, Mostafavi E. Microfluidic Synthesis of Ultrasmall Chitosan/Graphene Quantum Dots Particles for Intranasal Delivery in Alzheimer's Disease Treatment. *Small* 2023, 19: 2207626. <https://doi.org/10.1002/sml.202207626>.
- 9) Pourhadi M, Niknam Z, Ghasemi R, Zomorrod MS, Niazi V, **Faizi M**, Zali H, Mojab F; *Cuscuta epithymum* Murr. crude extract pre-conditioning inhibits cell apoptosis in glutamate-induced cytotoxic condition. *BMC Complementary Medicine and Therapies* 2022, 22:335
- 10) Nasiri A, Mokhtari S, Daraei B, (...), **Faizi M**, Kobarfard F; A Neglected Challenge in the Analysis of Active Pharmaceutical Substances with Aldehyde Functional Group in Aqueous Matrices. *Iranian Journal of Pharmaceutical Research* 2022, 21(1), e127036.
- 11) Khoramjouy M, Bayanati M, Noori S, **Faizi M**, Zarghi A; Effects of *Ziziphus Jujuba* Extract Alone and Combined with *Boswellia serrata* Extract on Monosodium Iodoacetate Model of Osteoarthritis in Mice. *Iranian Journal of Pharmaceutical Research* 2022, 21(1), e134338.
- 12) Jahani R, van Ruth S, Weesepeel Y, **Faizi M**, Nasiri A, Yazdanpanah, H; Comparison of Portable and Benchtop Near-Infrared Spectrometers for the Detection of Citric Acid-adulterated Lime Juice: A Chemometrics Approach. *Iranian Journal of Pharmaceutical Research* 2022, 21(1), e128372.
- 13) Mohebichamkhorami F, Niknam Z, Khoramjouy M, Heidarli E, Ghasemi R, Hosseinzadeh S, Mohseni S, Hajikarim-Hamedani A, Heidari A, Ghane Y, Mahmoudifard M, Zali H, **Faizi M**; Brain Homogenate of a Rat Model of Alzheimer Disease Modifies the Secretome of 3D Cultured Periodontal Ligament Stem Cells: A Potential Neuroregenerative Therapy. *Iranian Journal of Pharmaceutical Research* 2022, 21(1), e133668.
- 14) Nasiri A, Mokhtari S, Jahani R, **Faizi M**, Kobarfard F; Challenges for the determination of spiramycin in aqueous matrices using LC-MS/MS: evidence for the solvent intrusion on the molecule integrity. *RSC Advances* 2022, 12(27): 17096-17103.
- 15) Khosrowpour Z, Fahimi S, **Faizi M**, Tansaz M, Sahranavard S; Evaluation of Formulated Herbal Syrup (Containing Fennel, Anise, and Celery) on the Letrozole-Induced Polycystic Ovary Syndrome Model. *Jundishapur Journal of Natural Pharmaceutical Products* 2022, 17(2), e120814.
- 16) Almasirad A, Ghadimi M, Mirahmadi S, Tabatabai SA, **Faizi M**; Design, synthesis, and preliminary pharmacological evaluation of novel thiazolidinone derivatives as potential benzodiazepine agonists. *Molecular Diversity* 2022, 26(2): 769-780.
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- 22) Jahani R, Behzad S, Saffariha M, Toufan-Tabrizi N, **Faizi M**; Sedative-hypnotic, anxiolytic and possible side effects of *Salvia limbata* C. A. Mey. Extracts and the effects of phenological stage and altitude on the rosmarinic acid content. *Journal of Ethnopharmacology* 2022, 282,114630.
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- 29) Khoramjouy M, Zarepishe N, Rezaee E, Tabatabai SA, **Faizi M**; Novel Derivatives of diphenyl-1,3,4-oxadiazol as Ligands of Benzodiazepine Receptors; Synthesize, Binding Assay and Pharmacological Evaluation. *Iranian Journal of Pharmaceutical Research* 2021, 20(4): 47-58

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- 32) Jahani R, Khoramjouy M, Nasiri A, Salteh YA, **Faizi M**; Neuro-behavioral profile and toxicity of the essential oil of *Dorema ammoniacum* gum as an anti-seizure, anti-nociceptive, and hypnotic agent with memory-enhancing properties in d-galactose induced aging mice. *Iranian Journal of Pharmaceutical Research* 2020, 19(3): 110-121.
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- 34) Kobarfard F, Ayatollahi S A, Khosravi-Dehaghi N, **Faizi M**, Amidi S, Martorell M, Iqbal Choudhary M, Ansar H, Suleria, H, Sharifi-Rad J; High-performance thin-layer chromatography fingerprinting, total phenolic and total flavonoid contents and anti-platelet-aggregation activities of *Prosopis farcta* extracts, *Cellular and molecular biology (Noisy-le-Grand, France)* 2020, 66(4): 8-14
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- 36) Jahani R, Yazdanpanah H, Van Ruth S M, Kobarfard F, Alewijn M, Mahboubi A, **Faizi M**, Shojae Aliabadi M H, and Salamzadeh J; Novel application of near-infrared spectroscopy and chemometrics approach for detection of lime juice adulteration, *Iranian Journal of Pharmaceutical Research* 2020, 19 (2): 34-44, DOI: 10.22037/ijpr. 2019.112328.13686
- 37) **Faizi M**, Jamal F, Mohammadzadeh Asl B, Naserzadeh P, Sadabadi Z, Salimi A, Pourahmad J; Evaluation of morphological and mitochondrial alterations of mouse fetus after exposure to methyl tert-butyl ether, *Iranian Journal of Pharmaceutical Sciences* 2020, 15 (1): 17-28
- 38) Mehri F, Salimi A, Jamali Z, Kahrizi F, **Faizi M**; Exposure to 4-methylimidazole as a food pollutant induces neurobehavioral toxicity in mother and developmental impairments in the offspring, *Toxin Reviews* 2020, DOI: 10.1080/15569543.2020.1728338
- 39) Zangeneh F, Vazirizadeh A, Mirshamsi M R, Fakhri A, **Faizi M**, Pourahmad J; Induction of apoptosis by extract of Persian Gulf marine mollusk, turbo coronatus through the ROS-mediated mitochondrial targeting on human epithelial ovarian cancer cells, *Iranian Journal of Pharmaceutical Research* 2019, 18(1): 263-274
- 40) Jahani R, Khaledyan D, Jahani A, Jamshidi E, Kamalinejad M, Khoramjouy M, **Faizi M**; Evaluation and comparison of the antidepressant-like activity of *Artemisia dracunculus* and *Stachys lavandulifolia* ethanolic extracts: An in vivo study, *Research in Pharmaceutical Sciences* 2019, 14(6): 544-553

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