



Curriculum vitae

Name: **Elham Ahmadian**

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Current Positions:

- Assistant Professor in Pharmacology, Tabriz University of Medical Sciences, East Azerbaijan - Tabriz, Iran.

Education:

- PhD in Pharmacology: Tabriz University of Medical Sciences, Faculty of Pharmacy, Toxicology and Pharmacology department, Tabriz, Iran, February 2017
- Postdoctoral research in "Synthesis and characterization of hyaluronic acid hydrogel nanoscaffolds and their role in chondrogenic differentiation of dental pulp stem cells" (2018-2020)
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Professional and academic experience:

- June 2020-present Assistant Professor in Pharmacology, Kidney research center, Tabriz University of Medical Sciences, EastAzerbaijan - Tabriz, Iran

Mentorship activities:

- Supervision of medical students (2020-present).
- Mentoring of startups at Health innovation acceleration center, Tabriz University of Medical Sciences, Tabriz, Iran (2020-present).

Teaching duties and administrative activities:

- Teaching at the bachelor, Master and PhD levels of courses including: Pharmacology Teaching (theory & practice), clinical Pharmacology, in vitro and in vivo Lab techniques Tabriz Medical University and Urmia Azad University.
- Editorial board member of Journal of advanced chemical and pharmaceutical materials
- Associate editor of the prestigious Journal of Frontiers in pharmacology

Prizes, fellowships, distinguished memberships

- Accepted proposal in DIES ProGrant proposal writing:
- Listed as 2% scientists according to the Stanford University
- Member of physiology and pharmacology society.
- Joint Ukraine-Azerbaijan International Research and Education Center of Nanobiotechnology and Functional Nanosystems member.

Organization of conferences

-Scientific Committee Member of the, Industrial and Environmental Toxicology Congress, Antalya, Turkey2019 –

- Scientific and executive Committee Member of the international physiology and pharmacology congress, Tabriz, Iran, 2012.

Complete List of Publications of Ahmadian Elham

Monographs:

1. Noshad H , **Ahmadian E** , Ardalani M , Samiei M , Shakalets O, Krasnevych K, Zununi Vahed S* (2020). THE APPLICATION OF NANOMEDICINES FOR ACUTE KIDNEY INJURY Human Health: Realities And Prospects Monographic Series, Volume 5: HEALTH and NANOBIOTECHNOLOGY, Edited by Nadiya Skotna, Svitlana Voloshanska, Taras Kavetskyy, Aziz Eftekhari, Rovshan Khalilov.

Further publications:

Publications

Abdollahzade Fard A, Chodari L, Alizade T, Madatli F, Ahmadian E, Mahmoodpoor F. Selenium Pretreatment Protects Against Renal Ischemia Reperfusion Injury by Inducing Mitochondrial Biogenesis. Journal of Advances in Medical and Biomedical Research. 2024 Jan 10;32(150):41-7.

Rezabakhsh A, Fathi F, Habtemariam S, Ahmadian E. Cardiorenal syndrome: Plasmonic biosensors. Clinica Chimica Acta. 2024 Jul 11:119870.

Ebrat E, Hejazian SM, Ahmadian E, Vahed SZ, Mobasseri M, Ardalani M. The possible association of IL-6R gene polymorphisms in the development of diabetic nephropathy. Current Diabetes Reviews. 2024 Oct 1;20(8):55-9.

Lotfi B, Bagheri Y, Abdollahpour A, **Ahmadian E**, Matin S, Firouzfar A, Vahed SZ, Khajepour F. Protective effect of Eprosartan against ischemic acute renal injury: Acting on NF- κ B, caspase 3, and Sirtuin 1. International Immunopharmacology. 2023 Feb 1;115:109690.

Zulfugarova P, Zivari-Ghader T, Maharramova S, **Ahmadian E**, Eftekhari A, Khalilov R, Turksoy VA, Rosić G, Selakovic D. A mechanistic review of pharmacological activities of homeopathic medicine licorice against neural diseases. Frontiers in Neuroscience. 2023 Mar 6;17:1148258.

Bagheri Y, **Ahmadian E**, Hejazian SM, Raeesi M, Ardalani M. The effect of fingolimod on renal ischemia/reperfusion injury in a rat model. Current Molecular Pharmacology. 2023 Aug 25.

Hajiyeva A, Mamedov C, Gasimov E, Rzayev F, Khalilov R, **Ahmadian E**, Eftekhari A, Cho WC. Ultrastructural characteristics of the accumulation of iron nanoparticles in the intestine of Cyprinus carpio (Linnaeus, 1758) under aquaculture. Ecotoxicology and Environmental Safety. 2023 Oct 1;264:115477.

Montazersaheb S, Jafari S, Aytemir MD, **Ahmadian E**, Ardalani M, Zor M, Nasibova A, Monirifar A, Aghdasi S. The synergistic effects of betanin and radiotherapy in a prostate cancer cell line: an in vitro study. Molecular Biology Reports. 2023 Nov;50(11):9307-14.

Ahmadian E, Eftekhari A, Atakishizada S, Valiyeva M, Ardalan M, Khalilov R, Kavetskyy T. Podocytopathy: The role of actin cytoskeleton. *Biomedicine & Pharmacotherapy*. 2022 Dec 1;156:113920.

Ardalan M, **Ahmadian E**, Khatibi SM, Saadat YR, Bastami M, Bagheri Y, Vahed FZ, Shoja MM, Vahed SZ. Microbiota and glomerulonephritis: An immunological point of view. *The American Journal of the Medical Sciences*. 2022 Dec 1;364(6):695-705.

Shahi S, Dehghani F, Abdolahinia ED, Sharifi S, **Ahmadian E**, Gajdács M, Kárpáti K, Dizaj SM, Eftekhari A, Kavetskyy T. Effect of gelatinous spongy scaffold containing nano-hydroxyapatite on the induction of odontogenic activity of dental pulp stem cells. *Journal of King Saud University-Science*. 2022 Nov 1;34(8):102340.

Khoeini R, Nosrati H, Akbarzadeh A, Eftekhari A, Kavetskyy T, Khalilov R, **Ahmadian E**, Nasibova A, Datta P, Roshangar L, Deluca DC Cucchiarini M^{*}(2021). Natural and Synthetic Bioinks for 3D Bioprinting. *Advanced NanoBiomed Research*.:2000097.

Zununi Vahed S, **Ahmadian E**, Foroughi P, Mostafavi S, Madry H, Ardalan M^{*}, Cucchiarini M^{*}(2021). Vitamin D Receptor and Vitamin D Binding Protein Gene Polymorphisms Are Associated with Renal Allograft Outcome. *Nutrients*. Apr;13(4):1101.

Eftekhari A, Khusro A, **Ahmadian E**, Dizaj SM, Dinparast L, Bahadori MB, Hasanzadeh A, Cucchiarini M^{*} (2021). Phytochemical and nutra-pharmaceutical attributes of *Mentha* spp.: A comprehensive review. *Arabian Journal of Chemistry*. Mar 9:103106.

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Negahdari R, Bohlouli S, Sharifi S, Maleki Dizaj S^{*}, Rahbar Saadat Y, Khezri K, Jafari S, **Ahmadian E**, Gorbani Jahandizi N, Raeesi S (2020). Therapeutic benefits of rutin and its nanoformulations. *Phytotherapy Research*. Oct 15.

Hejazian SM, Khatibi SM, Barzegari A, Pavon-Djavid G, Razi S, Hassannejhad S, **Ahmadian E**, Ardalan

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Ahmadian E, Hosseiniyan Khatibi SM, Razi Soofiyani S, Abediazar S, Shoja MM, Ardalan M, Zununi Vahed S* (2020). Covid-19 and kidney injury: Pathophysiology and molecular mechanisms. Reviews in medical virology. Oct 6:e2176.

Ahmadian E, Samiei M, Hasanzadeh A, Kavetskyy T, Jafari S, Alipour M, Salatin S, Rameshrad M, Sharifi S, Eftekhari A*, Hasanzadeh M* (2020). Monitoring of drug resistance towards reducing the toxicity of pharmaceutical compounds: Past, present and future. Journal of pharmaceutical and biomedical analysis. 2020 Jul 15;186:113265.

Ahmadian E, Eftekhari A*, Kavetskyy T, Khosroushahi AY, Turksoy VA, Khalilov R (2020). Effects of quercetin loaded nanostructured lipid carriers on the paraquat-induced toxicity in human lymphocytes. Pesticide Biochemistry and Physiology. Jul 1;167:104586.

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Ahmadian E, Dizaj SM, Rahimpour E, Hasanzadeh A, Eftekhari A^{*}, Hosainzadegan H, Halajzadeh J,(2018). Effect of silver nanoparticles in the induction of apoptosis on human hepatocellular carcinoma(HepG2) cell line. Materials Science and Engineering: C. Aug 9.

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