

Curriculum Vitae

Personal Information

Name: Arian Amirkhosravi

Address: Kerman University of Medical Science, Kerman, Iran.

Cell Phone: 00989132950552

Date of Birth: 07. Apr.1990

Place of Birth: Kerman, Iran

Citizenship: Iranian

Sex: Female

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Educations

Ph.D. in toxicology at Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran

Master's degree of toxicology at Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran

Bachelor's degree of laboratory sciences at Kerman University of Medical Sciences, Kerman, Iran

Title of My Research Thesis/Dissertations

Ph.D. thesis title: Investigation of the anti-fibrotic effect of the co-treatment of the Losartan and Pirfenidone on paraquat and bleomycin-induced pulmonary fibrosis with evaluation of Epithelial-Mesenchymal Transition (EMT) in in vivo studies in rat and in in vitro studies on A549 cell

M.Sc. thesis title: Association of polymorphisms of some genes involved in metabolism of cigarette smoke (p22 phox and NQO1) and inflammatory responses (IL-10, INF- γ and TGF- β 1) with lipid-peroxidation and antioxidant capacity of blood and the stages of disease and exacerbations in the cigarette smoking patients with chronic obstructive pulmonary disease (COPD)

Software skills:

- MS. Office (Word, Excel, PowerPoint, Publisher)
- Prism
- SPSS
- EndNote and Mendeley
- Compusyn
- Image J
- Photoshop
- Internet Research
- Biorender

Technical skills

- Cell Culture
- Mesenchymal Stem Cell Isolation
- Experience in extraction of natural products
- In Vitro Angiogenesis Technic (3D Tube Formation Assay)
- Western Blot
- Guidelines on Anesthesia and Analgesia in Rats
- Prescribing the Drug by Different Injection Methods, for example, Subcutaneous, Intramuscular, Intravenous, Intratracheal, Intraperitoneal, Intra gastric injection.
- Drawing Blood from Rats through by Cardiac Puncture
- Induction of Myocardial infarction (left anterior descending artery (LAD) occlusion) in rodents.
- Laryngoscope in Rat
- Bronchoalveolar lavage (BAL) Sampling
- Wound Induction in Rats
- Grade 3 Burns in Rats
- Induction of Pulmonary Fibrosis in Rat
- Induction of Diabetes in Animals
- Oral Administration of Drugs Using a Gavage Needle
- Surgery Rat
- Noisome Preparation
- UV/Vis Spectroscopy
- Real- Time PCR
- Agarose Gel Electrophoresis
- DNA and RNA Extraction
- DIRUI cs-400 (Auto Chemistry Analyzer)

- Sysmex KX-21
- RFLP
- Microscopy

Papers in Journals

1. **Arian Amirkhosravi**, Maryamossadat Mirtajaddini Goki, Mahmoud Reza Heidari, Somayyeh Karami-Mohajeri, Maryam Iranpour, Maryam Torshabi, Mitra Mehrabani, Ali Mandegary, Mehrnaz Mehrabani. Combination of losartan with pirfenidone: a protective anti-fibrotic against pulmonary fibrosis induced by bleomycin in rats. *Scientific Reports J*, 2024.
2. **Arian Amirkhosravi**, Mehrnaz Mehrabani, Saba Fooladi, Mohammad-Erfan Norouzmahani, Saeede Vasei, Yousof Mir, Zahra Malekoladi, Sanaz Faramarz, Mohammad Hadi nematollahi, Mitra Mehrabani. Rheum khorasanicum. Hydroalcoholic root extract induces cell death in human colorectal adenocarcinoma: An in vitro and in silico study. *Annales Pharmaceutiques Françaises*, 2024.
3. Mohammad Amin Rajizadeh, Mohammad Abbas Bejeshk, Amirhashem Aminizadeh, Abolfazl Yari, Fahimeh Rostamabadi, Fatemeh Bagheri, Hamid Najafipour, Mohammad Hadi Nematollahi, **Arian Amirkhosravi**, Mehrnaz Mehrabani, Mitra Mehrabani. Inhalation of spray dried extract of Salvia Rosmarinus Spenn alleviates lung inflammatory, oxidative and remodeling changes in asthmatic rats. *Pharmacology Journal*, 2024.
4. Mitra Mehrabani, Zahra Miri, Kobra Bahrampour Juybari, Rezvan Najafi, Maryamossadat Mirtajaddini Goki, Najmeh Aminizadeh, Mohammad Hadi Nematollahi, Saeede Vasei, Mehrnaz Mehrabani, **Arian Amirkhosravi**. Rheum khorasanicum decreases migration and induces apoptosis in the MDA-MB-231 breast cancer cell line. *Letters in Drug Design & Discovery J*, 2024.
5. Mitra Mehrabani, Soheila Mahdavi Yekta, Seyed Nouredin Nematollahi-Mahani, Mehrnaz Mehrabani, **Arian Amirkhosravi**, Mandana Jafari, Hamed Javdani, Mehrzad Mehrbani. Cytotoxic, antioxidant, and anti-inflammatory effects of Crataegus meyeri. *Journal of Kerman University of Medical Sciences*, 2024.
6. Mandana Jafari, Kobra Bahrampour Juybari, Hamidreza Shirid, **Arian Amirkhosravi**, Mitra Mehrabani, Mehrnaz Mehrabani. Synthesis of Gold Nanoparticle from Aqueous Extracts of Hedera helix L., Senna alexandrina Mill., Thymus vulgaris L., and Tribulus terrestris L. and evaluation of their in vitro Antioxidant and Cytotoxic Effects. *Nano J*, 2024.

7. Mehrnaz Mehrabani, Mitra Mehrabani, **Arian Amirkhosravi**, Azadeh Aminzadeh, Neda Tekyemarooft, Atiqah Aziz, Tunku Kamarul, Ali Mohammad Sharifi. Ferulic acid mitigates H₂O₂-induced oxidative stress by hindering the activity of reactive oxygen species and programmed cell death in rat PC12 cells. *Physiology and Pharmacology J*, 2024.
8. **Arian Amirkhosravi**, Mahmoud Reza Heidari, Somayyeh Karami-Mohajeri, Maryam Torshabi, Ali Mandegary, Mehrnaz Mehrabani. Losartan enhances the suppressive effect of pirfenidone on the bleomycin-induced epithelial-mesenchymal transition and oxidative stress in A549 cell line. *Iran J Basic Med Sci*, 2023.
9. Kobra Bahrapour Juybari, Komal Rizwan, Sanaz Faramarz, Asie Sadeghi, **Arian Amirkhosravi**, Mohammad Hadi Nematollahi, Mehrnaz Mehrabani. Carbon Quantum Dots as Multi-Purpose Nanomaterial in Stem Cell Therapy. *Chemistry & Biodiversity*, 2023.
10. **Arian Amirkhosravi**, Elham Salari, Seyed-Mehdi Hashemi-Bajgani, Mitra Samareh-Fekri, Mohammad Mehdipour, Ali Mandegary. Association of polymorphisms in IL-10, TGF- β 1, IFN- γ , and TNF- α Genes with the susceptibility to Chronic Obstructive Pulmonary Disease in Kerman, Iran. *Journal of Kerman University of Medical Sciences*, 2023.
11. Mehrnaz Mehrabani, Sohaib Mohammadyar, Mohammad Amin Rajizadeh, Mohammad Abbas Bejeshk, Bahareh Ahmadi, Mohammad Hadi Nematollahi, Kobra Bahrapour Juybari, **Arian Amirkhosravi**. Boosting Therapeutic Efficacy of Mesenchymal Stem Cells in Pulmonary Fibrosis: The Role of Genetic Modification and Preconditioning Strategies. *Iran J Basic Med Sci*, 2023.
12. Mehrnaz Mehrabani, Marzieh Lotfian sargazi, **Arian Amirkhosravi**, Soudabe Farhadi, Saeide Vasei, Mahboube Raeiszadeh, Mitra Mehrabani. The influence of harvest time on total phenolic and flavonoid contents, antioxidant, antibacterial and cytotoxicity of Rheum khorasanicum root extract. *Annales Pharmaceutiques Françaises*, 2023; 81 (3), 475-483
13. Marzieh Lotfian Sargazi, Kobra Bahrapour Juybari, Mojdeh Esmaeili Tarzi, **Arian Amirkhosravi**, Mohammad Hadi Nematollahi, Solmaz Mirzamohammdi, Mehrzad Mehrbani, Mehrnaz Mehrabani, Mitra Mehrabani. Naringenin attenuates cell viability and migration of C6 glioblastoma cell line: a possible role of hedgehog signaling pathway. *Molecular Biology Reports*, 2021; 48 (9), 6413-6421.

14. Mehrnaz Mehrabani, Mahboobeh Raeiszadeh, Hamid Najafipour, Mojde Esmaeli Tarzi, **Arian Amirkhosravi**, Alireza Poustforoosh, Mohammad Ali Mohammadi, Sara Naghdi, Mitra Mehrabani. Evaluation of the Cytotoxicity, Antibacterial, Antioxidant, and Anti-inflammatory Effects of Different Extracts of *Punica granatum* var. *pleniflora*. Journal of Kerman University of Medical Sciences, 2020; 27 (5), 414-425.

15. Mohsen Saravani, Mohsen Rokni, Mehrzad Mehrbani, **Arian Amirkhosravi**, Sanaz Faramarz, Iman Fatemi, Mojdeh Esmaeli Tarzi, Mohammad Hadi Nematollahi. The evaluation of VEGF and HIF-1 α gene polymorphisms and multiple sclerosis susceptibility. The journal of gene medicine, 2019; 21 (12), e3132.

16. Seyed-Mehdi Hashemi-Bajgani, Mitra Samareh Fekri, Hadi Zeydabadi, Mohammad Rahmatian, **Arian Amirkhosravi**. The Relationship of Serum levels of Vascular Endothelial Growth Factor with Disease Severity and the Number of Exacerbations in COPD Patients. Journal of Kerman University of Medical Sciences, 2017; 24 (3), 184-189.

17. Ali Mandegary, Seyed-Mehdi Hashemi-Bajgani, Mitra Samareh Fekri, Amirabbas Khedri, **Arian Amirkhosravi**. INVESTIGATION THE ROLE OF MEPXH1 (HIS139ARG) POLYMORPHISM ON NUMBER OF EXACERBATIONS AND DISEASE SEVERITY IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE IN A SMOKER POPULATION. IIOAB J, 2016; 7 (8), 16-22.