

In the name of God



Curriculum Vitae

PERSONAL INFORMATION

First name: Alireza

Surname: Ahmadzadeh

Nationality: Iranian

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Education

- PhD of molecular medicine, Shahid Beheshti University of Medical Sciences,

Thesis

PhD; investigation of H. pylori CagPAI genotype diversity and its association with genes expression related to gastric cancer against pathological finding, supervisor, *Professor Mohamad Reza Zali*.

HONORS

1. Ranked 3th in Nationwide Ph.D. Entrance Contest.2011
2. Ranked 1th in School of Advanced Technologies in Medicine. 2015
3. Gifted Talent Student of Shahid Beheshti University of medical Science.2015
4. Gifted Talent Student of Tehran University.2009

Job EXPERIENCE

1. Head of the cell and tissue committee in Iranian Food and Drug Ministry of Health,2016-2022.

Teaching History

Lesson	Level	year
Medical genetic	Medical doctor ,Ilam meical university	2016
Cell and molecular biology	Bachelor ,Ilam university	2010

Books

1. Structural biochemistry,2015
2. Post approval changes in biotherapeutic medicines,2021
3. Regulations and requirement for plasmapheresis centers,2022

Publication

1. **Ahmadzadeh, A.** Papaverine increases human serum albumin glycation. Journal of Biological Physics, 2014. **40**(1): p. 97-107.
2. **Ahmadzadeh, A.**, Naloxone inhibits human serum albumin glycation. Journal of Paramedical Sciences, 2014. **5**(3): p. 87-91.
3. **Ahmadzadeh, A.**, Negative effect of noscapine on human serum albumin glycation. Journal of Pharmaceutical Negative Results, 2012. **3**(1): p. 34-37.
4. Abedi, S.H., **Ahmadzadeh, A.**, et al., The role of endoscopic ultrasound in primary pancreatic lymphoma presented with acute pancreatitis: a case report. JOP, 2014. **15**(5): p. 493-6.
5. **Ahmadzadeh, A.**,et al., Association of cagPAI integrity with severness of Helicobacter pylori infection in patients with gastritis. Journal of Pathol Biol (Paris), 2015. **63**(6):p.252-7.
6. Goodarzi, E., **Ahmadzadeh, A.**, et al., Effect of Lithium Chloride on the Corpus Luteum Formation and Its Angiogenesis in Rat. Acta Endocrinologica-Bucharest, 2013. **9**(4): p. 525-532.
7. **Ahmadzadeh, A.** and F. Azizi, Genes Associated with Low Serum High-density Lipoprotein Cholesterol. Archives of Iranian Medicine, 2014. **17**(6): p. 444-450.
8. Ghalehnoei, H., **Ahmadzadeh, A.**, et al., Relationship between ureB Sequence Diversity, Urease Activity and Genotypic Variations of Different Helicobacter pylori Strains in Patients with Gastric Disorders. Polish Journal of Microbiology, 2016. **65**(2): 153–159.
9. Rashidi M, Bazi A, **Ahmadzadeh A.** et al. The growth inhibitory and apoptotic effects of umbelliprenin in a mouse model of systemic candidiasis. *J Appl Microbiol.* 2023;134(9):lxad201.

10. MA Shokrgozar, H Zali, TM Rezaei, **A Amanzadeh**. COMPARISON OF TWO STAINING ASSAYS; TRYPAN BLUE AND MTT IN VITRO EVALUATION OF HUMAN CALPROTECTIN PROLIFERATION INHIBITION ON HUMAN GASTRIC CANCER CELLS. *Kowsar Med J* 12:127–137.

11. Zamanian Azodi M, Rezaei Tavirani M, Arefi Oskouie A, Hamdih M, Derakhshan MK, **Ahmadzadeh A**, Zayeri F, Nejadia N, Rezaei Tavirani M, Mansourie V, Rostami-Nejad M, Vafae R. Fluoxetine Regulates Ig Kappa Chain C region expression levels in the serum of obsessive-compulsive disorder patients: A proteomic approach. *Iran. J. Pharm. Res.* 2017;16:1264–71.

12. Rashidi M, **Ahmadzadeh A**, Ziai SA, et al. Evaluating cytotoxic effect of nanoliposomes encapsulated with umbelliprenin on 4T1 cell line. *In Vitro Cell Dev Biol-Anim* 2017;53:7–11.

13. abedi SH, **Ahmadzadeh A**, Mohammad Alizadeh AH. Pancreatic squamous cell carcinoma. *Case Rep Gastroenterol.* 2017; 11: 219- 224.

14. Zamanian-Azodi, M., Rezaei-Tavirani, M., Nejadi, N., Arefi Oskouie, A., Zayeri, F., Hamdih, M., Safaei, A., Rezaei-Tavirani, M., **Ahmadzadeh, A.**, Amouzandeh-Nobaveh, A., & Okhovatian, F. (2017). Serum Proteomic Profiling of Obsessive-Compulsive Disorder, Washing Subtype: A Preliminary Study. *Basic and clinical neuroscience*, 8(4), 307–316.

15. Zamanian Azodi M, Rezaei Tavirani M, Arefi Oskouie A, Mansouri V, Hamdih M, Nejadi N, Hamid-pour M, **Ahmadzadeh A**, Rostami-Nejad M, Rezaei Tavirani M, Mortazavi Tabatabaei SA. Introducing Transthyretin as a Differentially Expressed Protein in Washing Subtype of Obsessive-Compulsive Disorder. *Basic Clin. Neurosci.* 2018;9:187–94.

16. Heidari, M. H., Razzaghi, M., Akbarzadeh Baghban, A., Rostami-Nejad, M., Rezaei-Tavirani, M., Zamanian Azodi, M., Zali, A., & **Ahmadzadeh, A.** (2020). Assessment of the Microbiome Role in Skin Protection Against UV Irradiation Via Network Analysis. *Journal of lasers in medical sciences*, 11(3), 238–242.

17. Rezaei Tavirani, M., Khodadoost*, M., Arjmand, B., Razzaghi, M., **Ahmadzadeh, A.** (2021). '50S Ribosomal Proteins Family is the Main Target of Cinnamon Extract: a Network Analysis', *Research Journal of Pharmacognosy*, (), pp. -. doi: 10.22127/rjp.2021.265776.1659.

18. Reza Vafae, Abdolrahim Nikzamir, Mohhamadreza Razzaghi, Sina Rezaei Tavirani, **Alireza Ahmadzadeh**, MohammadAli Emamhadi. An Investigation of Post-radiation Gene Expression Profiles: A System Biology Study. *J Lasers Med Sci* 2020 Autumn;11(Suppl 1):S101-S106.

19. Babak Arjmand, Reza Vafae, Mohhamadreza Razzaghi, Mostafa Rezaei-Tavirani, **Alireza Ahmadzadeh**, Sina Rezaei-Tavirani, Mostafa Hamdieh. Central Proteins of Plasma in Response to Low-Level Laser Therapy Involve in Body Hemostasis and Wound Repair. *J Lasers Med Sci* 2020 Autumn;11(Suppl 1):S55-S59.
20. Nikzamid, A., Rezaei-Tavirani, M., Razzaghi, M., Rezaei Tavirani, S., Hamzeloo-Moghadam, M., Esmaili, S., Hatami, B., & **Ahmadzadeh, A.** (2020). Evaluation of long-term consumption of omeprazole disadvantages: a network analysis. *Gastroenterology and hepatology from bed to bench*, 13(Suppl1), S98–S105.
21. **Ahmadzadeh A**, Goodarzi I, Nejadi N, Nikzamid A R, Karimi P, Feizi , S et al . The effect of LiCl on the corpus luteum formation and angiogenesis. *pajoochande*. 2015; 20 (3) :130-135.
22. **Ahmadzadeh A**, Feizie M, Ghafarzadegan R. Effect of Papaverine on Human Serum Albumin Glycation. *J. Med. Plants*. 2012; 11 (42) :53-61.
23. **Ahmadzadeh A**, Rashidi M, Mohsenifar Z, et al. Examining the effect of *Helicobacter pylori* cagPAI variety on gene expression pattern related to gastric cancer. *Horm Mol Biol Clin Investig*. 2023;44(3):251-258.
24. Mansouri V, Rezaei-Tavirani M, **Ahmadzadeh A**, Shadnia Sh, Mostafazadeh B, Robati RM, et al. Toxicology and Metabolic Effects of Methanol and Formaldehyde on the Brain, a Review Article. *International Journal of Medical Toxicology and Forensic Medicine*. 2023; 13(4):E42894.
25. Rashidi, Mohsen Ali Bazi , **Alireza Ahmadzadeh**. “The growth inhibitory and apoptotic effects of umbelliprenin in a mouse model of systemic candidiasis.” *Journal of applied microbiology* vol. 134,9 (2023): 1xad201. doi:10.1093/jambio/1xad201
26. **Ahmadzadeh A**, Bagheri F, Mostafazadeh B, Shadnia S, Rezaei-Tavirani M, et al. Introducing a Possible Proteomic and Genomic Biomarker Panel Related to Methanol Poisoning: A Review. *J Cell Mol Anesth*. 2024;9(2):e146534. <https://doi.org/10.5812/jcma-146534>
27. Bandarian, Fatemeh ,**Ahmadzadeh Alireza** et al. “Bioinformatics Examination of Glioblastoma Identifies a Potential Panel of Therapeutic Biomarkers.” *Asian Pacific journal of cancer prevention : APJCP* vol. 25,11 4035-4041. 1 Nov. 2024, doi:10.31557/APJCP.2024.25.11.4035
28. Mona Zamanian-Azodi , **Alireza Ahmadzadeh** , Mitra Rezaei , Reza M Robati. Considerations Regarding CHSY1 Knockdown and Its Influence on Gene Expression

Profiles: A Perspective from Protein Interaction Network Analysis. Asian Pacific Journal of Cancer Biology. Vol 9 No 3 (2024)

29. Noghabaei, Giti, **Alireza Ahmadzadeh** et al. "The Role of Laser and Microwave in Treatment of Endocrine Disorders: A Systematic Review." Journal of lasers in medical sciences vol. 15 e23. 23 Jul. 2024, doi:10.34172/jlms.2024.23

30. Ahmadzadeh, Alireza et al. "Examining the effect of Helicobacter pylori cagPAI variety on gene expression pattern related to gastric cancer." Hormone molecular biology and clinical investigation vol. 44,3 251-258. 6 Mar. 2023, doi:10.1515/hmbci-2022-0048

Projects

1. Evaluation the effects of ambolipernin as nanoliposome particles in comparison with free form on 4T1 class cancer cells,2016,shahid Beheshti university of medical science.
2. Evaluation of proteomic pattern in serum of patients with obsessive-compulsive disorder,2018, Shahid Beheshti university of medical science.
3. Examining the expression pattern of genes in the early stage of glioblastoma cancer in order to provide a diagnostic biomarker panel
4. Investigation of molecular events following radiation damage in beas-2b cell line exposed to X-ray radiation
5. Assessment of biomarker changes in the progress of the stages 1 to 2 in Esophageal cancer
6. Investigating the role of Helicobacter pylori in gastric cancer using genomic study
7. Investigating CHSY1 gene inhibition in ovarian cancer using gene expression information
8. Investigating the effect of low-level laser on HCM-BROD-1105-C73 thyroid cell line
9. Determination of proteomic pattern in individual after Methanol intoxication(PhaseII)
10. Prevalence of resistance to clarithromycin in Helicobacter pylori strains that isolated from patients with gastrointestinal disorder
11. The assessment of skin cells genomic profile treated by fractional laser
12. Investigating the effectiveness of skin protection against solar radiation using systems biology tools
13. The assessment of Macular Amyloidosis's main related genes beside related neighbor genes
14. Circulating Biomarkers with Potential Diagnostic, Prognostic and Therapeutic Value in Pancreatic Cancer:systematic review
15. Investigating the effect of aflatoxin on the genomic profile of human Colon cells Caco-2
16. The effect of Ginkgo on mouse hepatocellular carcinoma cells genes expressions
17. The Role of Probiotics in Cancer Prevention

18. Identification of diagnostically important micro RNAs in thyroid cancer using RNA-Sequencing and deep learning.
19. The proteomic profile assessment of the inflammation affect the initiation of diabetes II & pancreatic adenocarcinoma
20. Association study of miR-22-3p, and its target pseudogene “GBAP1” variants, with gastric cancer susceptibility
21. Identification of novel diagnostic biomarkers in kidney carcinoma
22. The assessment of the effect of UV on DNA methylation and proteome of squamous cell adenocarcinoma of the skin epidermis
23. Cervical cancer novel prognostic and diagnostic biomarkers identified based on bioinformatics analysis(RNA-Seq) and machine learning
24. Assessment of molecular changes in the progress of the stages 1 to 5 in pancreas cancer
25. Determination of serum proteomic pattern in individuals due to Methanol intoxication
26. Determination of serum proteomic pattern in individuals due to Methanol intoxication

Workshop

1. Essay Writing Workshop, Research Institute for Endocrine Sciences, Shahid Beheshti university of medical science,2017.
2. lab animals Workshop, Pasteur Institute of Iran,2017.
3. real time Workshop, Shahid Beheshti university of medical science,2017.
4. quality control of biotechnology products Workshop,IFDA,2018.
5. GMP biologic products Workshop,IFDA,2018.
6. Risk management workshop,IFDA,2019.
7. Principles and methods of purification validation in drug production processes, IFDA ,2020.

CONGRESS

1. 2th Iranian congress of proteomics,2009. (Poster Presentation).
2. 4th congers of laboratory and clinic,2011. (Poster Presentation).
3. 8th congers of laboratory and clinic,2015. (Poster Presentation).
4. 15th international and Iranian congress of microbiology,2014. (Poster Presentation).
5. 16th international and Iranian congress of microbiology,2015. (Poster Presentation).

SKILLS

1. Cell culture
2. PCR
3. Real Time
4. Circular dichroism (CD)

5. Spectrophotometer(UV, fluorescence,...)

6. Chromatography

Research interest

1. Medicinal Plants
2. Cancer research
3. Diabetes research
4. Cell therapy