

# CURRICULUM VITAE (CV)

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## QUALIFICATION

**Ph.D.** of clinical biochemistry from **Isfahan University of Medical Science (2019)**

**M.Sc** in Biochemistry (2012) **Institute of Biochemistry and Biophysics (IBB), University of Tehran, Tehran, Iran**

**B.Sc** in General Biology (2009) Department of Biology, Faculty of Sciences, **the University of Razi, Kermanshah, Iran.**

***Ph.D. thesis title:** Investigation of the expression of IGFBP-3 and its receptors (TMEM-219, LRP-1) in pancreatic tissues of pancreatic adenocarcinoma and AsPc-1 human cell line*

***M.Sc thesis title:** Investigation of STAT5 and its downstream signaling elements, under normal and oxidative stress condition, in SK-N-MC cells*

## RESEARCH EXPERIENCES AND SKILLS

### Journalism:

Executive manager of International Journal of Advanced Biological and Biomedical Research (IJABBR)

### Reviewer:

Journal of Research in Medical Sciences

Journal of cellular physiology

Current Pharmacology Reports

*In vitro*, Cell culture (cell line, adult and embryonic stem cell and microbial culture), Feeder layer preparation, tissue preparation, RNA & DNA extraction, RT-PCR, Real-time PCR, Stem-loop RT-semi-quantitative PCR, Primer designing, Gel Electrophoresis for RNA, DNA, and Protein. SDS-PAGE, Western blotting, Immunohistochemistry (IHC), Immunofluorescence (IF), Electron microscope and Fluorescence microscopical Imaging, Flowcytometry, MTT assay, Enzyme activity assay etc.

*In vivo*, Handling of experimental animals, injection, and measurement of physiological factors.

*In silico*, prediction tools for microRNA and some of the bioinformatics tools in protein structure prediction and protein docking.

*Computing & Statistic*, Office software, EndNote, SPSS, Scion Image, and Image J.

## PUBLICATIONS

### Accepted:

1. **Ali Gheysarzadeh**, Hadi Bakhtiary, Amir Ansari, Mohammad Hassan Emami Amirnader Emami Razavi and Mohammad Reza Mofid The Insulin-like growth factor binding protein-3 and its death receptor in pancreatic ductal adenocarcinoma poor prognosis, Journal of cellular physiology.
2. MR Mofid, **A Gheysarzadeh**, S Bakhtiyari, Insulin-like growth factor binding protein 3 chemosensitizes pancreatic ductal adenocarcinoma through its death receptor, Pancreatology 20 (7), 1442-1450

3. **Ali Gheysarzadeh** Amir Ansari, Mohammad Hassan Emami Amirnader Emami Razavi and Mohammad Reza Mofid ,Over-expression of Low-density lipoprotein receptor-Related Protein-1 is Associated with Poor Prognosis and Invasion in Pancreatic Ductal Adenocarcinoma, *Pancreatology*.
4. H Bakhtiari, **A Gheysarzadeh**, M Ghanadian, M Aghaei. 15-Hydroxy-8 (17), 13 (E)-labdadiene-19-carboxylic acid (HLCA) inhibits proliferation and induces cell cycle arrest and apoptosis in ovarian cancer cells. *Life Sciences* 267, 118981
5. A Bakhtiyari, K Haghani, S Bakhtiyari, MA Zaimy, A Noori-Zadeh, **Ali Gheysarzadeh**, Association between ABCC8 Ala1369Ser Polymorphism (rs757110 T/G) and Type 2 Diabetes risk in an Iranian population: A Case-Control Study.
6. N Mahdian, E Kouhsari, **A Gheysarzadeh**, A Maleki, H Valadbeigi, ... The Prevalence of Shiga toxin-1 in non-Shigella dysenteriae isolates collected from diarrhea samples in patients, Ahvaz, Iran. *Infectious Disorders Drug Targets*
7. **A Gheysarzadeh**, N Sadeghifard, M Safari, T Rashidian, ..., Case series of four pregnant women with COVID-19 in Ilam, Iran, *New Microbes and New Infections* 38
8. **A Gheysarzadeh**, N Sadeghifard, M Safari, T Rashidian, ... Report of four pregnant women getting COVID-19 in Ilam, Iran: Case Series *New Microbes and New Infections*, 100783
9. **A Gheysarzadeh**, I Pakzad, H Valadbeigi, A Maleki, N Sadeghifard, Antimicrobial resistance and genetic analysis of multi-drug resistant *Klebsiella pneumoniae* isolates by pulsed-field gel electrophoresis, *Gene Reports* 19, 100638
10. T Elhaki, **A Gheysarzadeh**, N Sadeghifard, I Pakzad, A Behrouzi, ... Frequency of Iron Uptake Proteins Related Genes Among Isolates
11. *The Open Microbiology Journal* 14 (1)
12. S Bahrami, **A Gheysarzadeh**, M Sotoudeh, M Bandehpour, H Zali, ... The Association Between Gelsolin-like Actin-capping Protein (CapG) Overexpression and Bladder Cancer Prognosis, *Urology journal*, 5664-5664
13. MH Haddadi, S Mahdian, **A Gheysarzadeh**, M Khosravi, G Abangah, ... The cagA EPIYA Motifs and vacA Genotypes in Upper Gastrointestinal Diseases
14. A Nasrolahi, K Haghani, **A Gheysarzadeh**, S Bakhtiyari, *Molecular Genetics, Microbiology and Virology* 35 (2), 105-111 Do Genetic Factors Predispose People to COVID-19: A Review Article, *Current Molecular Medicine*
15. I Alipourfard, S Bakhtiyari, **A Gheysarzadeh**, L Di Renzo, A De Lorenzo, ..., The key role of Akt protein kinase in metabolic-inflammatory pathways cross-talk: TNF- $\alpha$  down-regulation and improving of insulin resistance in HepG2 cell line, *Current molecular medicine*

16. Farahnaz Pooyan, **Ali Gheysarzadeh**, Nourkhoda Sadeghifard, SattarKikhavani, L and S alleles of 5HTTLPR polymorphism of SLC6A4 gene in healthy people and patients with severe depression in Ilam province, Iran, Meta gene
17. **Gheysarzadeh**, A. and R. Yazdanparast, Inhibition of H<sub>2</sub>O<sub>2</sub> Induced Cell Death Through Foxo1 Modulation by Euk-172 in Sk-N-Mc Cells. European Journal of Pharmacology, 2012
18. **Gheysarzadeh**, A. and R. Yazdanparast, STAT5 reactivation by Catechin modulate H<sub>2</sub>O<sub>2</sub>-induced apoptosis through the microRNA-182/FOXO1 pathway in SK-N-MC cells, Cell Biochemistry and Biophysics, 2014
19. **Ali Gheysarzadeh**, Nourkhoda Sadeghifard, Loghman Afraidooni, Farahnaz Pooyan, Mohammad Reza Mofid, Hassan Valadbeigi, Hadi Bakhtiari, and Sattar Keikhavani Serum-based microRNA biomarkers for major depression: MiR-16, miR-135a, and miR-1202, Journal of Research in Medical Sciences
20. Bahramikia, S., R. Yazdanparast, and **A. Gheysarzadeh**, Syntheses and Structure–Activity Relationships of Seven Manganese–Salen Derivatives as Anti-amyloidogenic and Fibril destabilizing Agents Against Hen Egg-white Lysozyme Aggregation. Chemical Biology & Drug Design, 2012 .
21. Elham Jafari, **Ali Gheysarzadeh**, Karim Mahnam, Rezvan Shahmohammadi, Amir Ansari, Hadi Bakhtyari, Mohammad Reza Mofid . In silico interaction of insulin-like growth factor binding protein 3 with insulin-like growth factor 1, Research in Pharmaceutical Sciences, 2017.
22. ANSARI AMIR, **GHEYSARZADEH ALI**, MOFID MOHAMMAD REZA. The interaction of insulin-like growth factor binding protein 3 (IGFBP-3) in insulin-like growth factor (IGF)-independent system, Journal of Isfahan Medical School, 2017.

## **LECTURE**

1. Oxidative stress modulates FOXO1 via microRNA-182 down-regulation in SK-N-MC cells, **The 17th national & 5th International Conference of Biology of Iran**, 2012.
2. Insulin Receptor in pancreatic ductal adenocarcinoma and In vitro Doxorubicin treatment, **The 15th Iranian National Congress of Biochemistry and 6th International Congress**

## **RESEARCH PROJECT**

۱. بررسی بیان miR-135a در نمونه های خونی بیماران مبتلا به افسردگی و مقایسه آن با نمونه های طبیعی  
 اتمام یافته به عنوان مجری، مقاله مندرج:

Ali Gheysarzadeh, Nourkhoda Sadeghifard, Loghman Afraidooni, Farahnaz Pooyan, Mohammad Reza Mofid, Hassan Valadbeigi, Hadi Bakhtiari, and Sattar Keikhavani Serum-based microRNA biomarkers for major depression: MiR-16, miR-135a, and miR-1202, Journal of Research in Medical Sciences (IF; 1.361)

۲. بررسی اثر مکمل درمانی ویتامین D (و افزایش بیان پروتئین دفسین و LL37 ناشی از آن) در بهبود زخم و عفونت استافیلوکوکوس اورئوس مقاوم به متی سیلین (MRSA) در پای بیماران دیابتی مراجعه کننده به بیمارستان شهید مصطفی خمینی شهر ایلام ( ضرورت طرح در دانشگاه علوم پزشکی ایلام تایید شده و در حال انجام است به عنوان مجری)

۳. حساس سازی سلول های توموری آدنوکارسینومای پانکراس به شیمی درمانی توسط پروتئین متصل شونده به فاکتور رشد شبه انسولینی نوع ۳ ( ضرورت طرح در دانشگاه علوم پزشکی ایلام تایید شده و در حال انجام است به عنوان مجری)

۴. بررسی نقش متابولیت کروم سنسینگ *Pseudomonas aeruginosa* در القا حساسیت به دوکسوروبیسین در سرطان کولورکتال ( ضرورت طرح در دانشگاه علوم پزشکی ایلام تایید شده و در حال انجام است به عنوان مجری)

## TEACHING

1. General Biochemistry in Payam Noor University of Ilam, Iran
2. Laboratory of Biochemistry in Payam Noor University of Ilam, Iran
3. General Biochemistry in nursing school of Isfahan University of Medical Science
4. General Biochemistry in hygiene school of Isfahan University of Medical Science
5. Laboratory of Biochemistry in pharmacy school of Isfahan University of Medical Science

## PARTICIPATION IN WORKSHOPS

1. Embryonic and adult Stem cell culture using feeder layer and MEF preparation
2. MicroRNA: Concepts and Applications
3. EndNote and internet skills for scientific approaches
4. Leadership for the clinical laboratory
5. Quality assurance and molecular diagnosis
6. Promising technologies in clinical laboratory diagnostics
7. The case study in clinical biochemistry

8. Quality control in laboratory medicine

## **LANGUAGES**

Kurdish, Persian and English