

# *Curriculum vitae*

## **Hadi Ghasemi**

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### ***Personal Information***

*Date of birth: Murch 21<sup>th</sup> 1988*

*Place of birth: Hamadan, Iran*

*Marital Status: Single*

### ***Educational Background***

❖ *Ph.D. in Clinical Biochemistry, Hamadan University of Medical Science, Hamadan, Iran (October 2020) GPA: (Top Student, first rank)*

#### ***Thesis Title:***

*Evaluation of extracellular matrix proteins alteration and its effect on yes-associated protein (YAP1) localization in new and recurrent Bladder Cancer*

❖ *M.Sc., Clinical Biochemistry, Hamadan University of Medical Science, Hamadan, Iran (January 2016)*

#### ***Thesis Title:***

*Study of prevalences of Rs25487X-Ray repair cross-complementing group 1 and rs1805388 DNA ligase IV gene polymorphisms in fertile and infertile men*

❖ *B.Sc., Veterinary Lab Sciences, Bu-Ali Sina University (September 2012)*

### ***Careers:***

***2021 – 2022 Quality Control Manager, Medical laboratory of Hamadan healthcare center***

***2022 March – Present Assistant Professor, Dept. of Biochemistry, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran.***

### ***Courses taught:***

***Dept. of Clinical Biochemistry, School of Medicine, Hamadan University of Medical Sciences:***

- ✓ *General Biochemistry (Structure and Function of Biomolecules)*
- ✓ *General Biochemistry (Metabolism and Hormones)*
- ✓ *Laboratory Biochemistry*
- ✓ *Laboratory methods in clinical biochemistry*

- ✓ *Quality control management in medical laboratories*

***Dept. of Biochemistry, School of Medicine, Shiraz University of Medical Sciences:***

- ✓ *Teaching general Biochemistry (Structure and Function of Biomolecules) for Nursing students*
- ✓ *Teaching general biochemistry (Metabolism) for Nutritional Sciences students.*
- ✓ *Teaching medical biochemistry laboratory for Nutritional Sciences, Dentistry and Medical students.*

***Workshop Presentations:***

- *Quality management system establishment in medical laboratory, Hamadan University of medical sciences*
- *Quality control in medical laboratory, Shiraz University of medical sciences*

***Research Interest***

- *Bladder Cancer*
- *Matrix Stiffness*
- *Intercellular Signaling*
- *Infertility*

***Publications***

1. **Hadi Ghasemi**, Mousavibahar SH, Hashemnia M, Karimi J, Khodadadi I, Mirzaei F, et al. *Tissue stiffness contributes to YAP activation in bladder cancer patients undergoing transurethral resection. Annals of the New York Academy of Sciences. 2020.*
2. **Hadi Ghasemi**, Amini MA, Pegah A, Azizi E, Tayebinia H, Khanverdilou S, et al. *Overexpression of reactive oxygen species modulator 1 is associated with advanced grades of bladder cancer. Molecular Biology Reports. 2020; 47(9):6497-505.*
3. **Hadi Ghasemi**, Khodadadi I, Fattahi A, Moghimbeigi A, Tavilani H. *Polymorphisms of DNA repair genes XRCC1 and LIG4 and idiopathic male infertility. Systems biology in reproductive medicine. 2017;63(6):382-90.*
4. **Hadi Ghasemi**, Mohammad Hashemnia, Seyed Habibollah Mousavibahar, Hamideh Mahmoodzadeh Hosseini, Seyed Ali Mirhosseini. *Positive association of matrix proteins alteration with TAZ (transcriptional co-activator with PDZ-*

binding motif) and the progression of high-grade bladder cancer. *Cell Journal*. 2020. Accepted.

5. Mohseni R, Arab Sadeghabadi Z, Karimi J, Gholami H, **Hadi Ghasemi**, Ghadimipour HR, et al. *Chlorella vulgaris* supplementation attenuates the progression of liver fibrosis through targeting TGF- $\beta$ -signaling pathway in the CCl<sub>4</sub>-induced liver fibrosis in rats. *Toxin Reviews*. 2019:1-9.
6. Rostampour F, **Hadi Ghasemi**, Mousavi-Bahar SH, Ranjbar A, Shayesteh TH, Tayebinia H. Total antioxidant capacity, lipid peroxidation, thiol group and catalase activity in patients with kidney stone. *Avicenna Journal of Medical Biochemistry*. 2017;5(2):60-4.
7. Allahkarami S, Atabakhsh M, Moradi MN, **Hadi Ghasemi**, Bahmanzadeh M, Tayebinia H. Correlation of uric acid, urea, ammonia and creatinine of seminal plasma with semen parameters and fertilization rate of infertile couples. *Avicenna Journal of Medical Biochemistry*. 2017;5(2):76-80.
8. Zahra Salemi, **Hadi Ghasemi**, Ali Morovati, Hamideh Sadri. Effects of Biochanin A on Resistin, Adiponectin and some stress oxidative markers in normal and STZ-Induced Diabetic Rats. *Archives of Medical Laboratory Sciences*. 4(2).
9. Akram Ranjbar, Sara Torabi, Davood Nematollahi, Mahdi Jamshidi, **Hadi Ghasemi**. Molecular Modelling of the Therapeutic agents for COVID-19 Treatment. *Infectious Diseases Research*. (2021)
10. Sara Ami Ahmadi, Azin Kazemi, Mohammadmahdi Sabahi, Shahab Razipour, Arash Salehipour, Masoud Ghiasian, **Hadi Ghasemi**, Akram Ranjbar. Probable antioxidant therapy of Saffron Crocin in patients with multiple sclerosis: A randomized controlled trial. *Biomedicine* (2021).
11. **Hadi Ghasemi**, Seyed Habibollah Mousavibahar, Mohammad Hashemnia, Jamshid Karimi, Iraj Khodadadi, Heidar Tavilani. Transitional cell carcinoma matrix stiffness regulates the osteopontin and YAP expression in recurrent patients. (2021). *Molecular Biology Reports*. (2021)
12. Sheema Khanvirdiloo, Nasrin Ziamajidi, Arash Moradi, **Hadi Ghasemi**, Abolfazl Ghafourikhosroshahi, Maryam Bahmanzadeh, Mozhdeh Ghadiri, Roghayeh Abbasalipourkabar: Effects of Vitamins A and E on TiO<sub>2</sub> Nanoparticles-Induced Spermatogenesis Defects in Male Wistar Rats. *Iranian Journal of Science and Technology, Transactions A: Science*, (2021).
13. Moradi Mn, Behrouj H, Alipoor B, Kheiripour N, Ghasemi H, **Hadi Ghasemi** *Chlorella vulgaris* is an effective supplement in counteracting non-alcoholic fatty liver disease-related complications through modulation of dyslipidemia, insulin resistance, and inflammatory pathways. *Journal of Food Biochemistry*. 2021;45(10):e13914.
14. **Hadi Ghasemi**, Pegah A, Tayebinia H, Khazaei S, Feizi F, Mazaheri S, et al. The Overexpression of Sonic Hedgehog Associates with Collateral Development and

*Amelioration of Oxidative Stress in Stroke Patients. Journal of Stroke and Cerebrovascular Diseases. 2022;31(5):106408.*

15. Ranjbar A, Satari M, Mohseni R, Tavidani A, **Hadi Ghasemi**. *Chlorella vulgaris ameliorates testicular toxicity induced by carbon tetrachloride in male rats via modulating oxidative stress. Andrologia. e14495.*

16. Khalilian A, Karami P, Bakhtyari S, Ezati R, Khosravi S, Amini R, **Hadi Ghasemi**. *Prevalence of Helicobacter felis and Helicobacter heilmannii and co-infection with Helicobacter pylori in gastric biopsy specimens in endoscopic ward of Shahid Beheshti Hospital, Hamadan, Iran. International Journal of Medical Toxicology and Forensic Medicine. 33088-.*

### **Fellowships attendance:**

- *Electronic learning fellowship; Center of Excellence for Electronic Learning in Medical Sciences; 2022. SUMS*

### **Technical Skills**

- ✓ *Polymerase Chain Reaction–Restriction Fragment Length Polymorphism (PCR-RFLP)*
- ✓ *Western blotting*
- ✓ *ELISA*
- ✓ *Real Time PCR*
- ✓ *Electrophoresis*
- ✓ *Chromatography*
- ✓ *Primer Designing*
- ✓ *DNA and RNA Extraction*
- ✓ *Quality Control in Medical Laboratory*
- ✓ *Immunohistochemistry Technique*
- ✓ *Animal (Rat) Handling*
- ✓ *Atomic Force Microscopy*
- ✓ *Molecular Docking*

### **Software**

- ✓ *Statistical Package for Social Sciences (SPSS)*
- ✓ *GraphPad Prism*
- ✓ *EndNote*
- ✓ *Discovery Studio Visualizer*
- ✓ *Molecular Operating Environment (MOE)*
- ✓ *MATLAB*
- ✓ *AutoDock Vina*

### **Honors**

- ✓ **2th Ranking** in *Clinical Biochemistry PhD* entrance examination (2016)
- ✓ **Best student award**, *Hamadan University of Medical Sciences, Hamadan, Iran* (2018)
- ✓ **Graduated with honors** (first-ranked), *Hamadan University of Medical Sciences, Hamadan, Iran* (2016)
- ✓ **Graduated with honors** (first-ranked), *Hamadan University of Medical Sciences, Hamadan, Iran* (2020)
- ✓ **Selected as first rank talented student** by the office of talented students of *Hamadan University of Medical Science, 2015.*

### **Experiences**

*Laboratory work experience (6 years)*

*Quality Control Management in Medical Laboratory (4 years)*

### **Reference**

*Will be provided upon request.*

***Last update: July, 2022***