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Curriculum Vitae

Personal Information

- Name: Amir
- Last Name: Hasanzadeh
- Place of birth: Maku
- Nationality: Iranian
- Marital status: Married
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- EMAIL: amir_hasanzadeh@razi.tums.ac.ir , amir.hasanzadeh61@yahoo.com

Current Position:

Assistant Professor of Microbiology, Department of Microbiology, School of Medicine, Maragheh University of Medical Sciences, Maragheh, Iran

Important Memberships

Board of Directors - **Iranian Society for Bacteriology**

Member of **Talented Students Office**, Shiraz University of Medical Sciences

Member of **Talented Students Office**, Tehran University of Medical Sciences

Education

February 2013- April 2017

Ph.D. in Bacteriology, Department of pathobiology, School of Health and Institute of Public Health Researches, Tehran University of Medical Sciences, G.P.A: **18.18/20**, **1st** among classmates, Tehran, I.R. Iran

September 2010 - February 2013

M.Sc. in Microbiology, Department of bacteriology & virology, Shiraz medical school, Shiraz University of medical science, G.P.A: **18.50/20**, **1st** among classmates, Shiraz, I.R. Iran

June 2002- September 2006

B.Sc. in Laboratory Sciences, Tabriz University of Medical Sciences

PhD. Thesis **“Determination of clones the most common intestinal bacterial isolates resistant to fluoroquinolone and its resulted infection in patients undergoing prostate biopsy suspicious for prostate cancer”**

First supervisor: Dr. Mohammad Reza Pourmand : mpourmand@tums.ac.ir

Second supervisor: Dr. Gholamreza Pourmand: gh_pourmand@yahoo.com

Score of thesis: 20/20

Level of thesis: excellent

M.Sc. Thesis **“Assessment of efflux pump activity in clinical methicillin resistant *S. aureus* isolates in the presence of pantoprazole in Iran”**

Score of theses: 19.70/20

Level of thesis: excellent

First supervisor: Dr. abdollah bazargani abdollahbazargani@yahoo.com

Teaching experience

1- Bacteriology practical, **General medical students, Pharmacy Students, Dental Students, Pharmacy Students, BSc Midwifery students and Nursing students;** Shiraz University of Medical Sciences.

2- Medical bacteriology, General Microbiology, Medical Virology, Practical Bacteriology and Medical terminology, **BSc students,** Maragheh University of Medical Sciences.

Working experience

Working in Urine Analysis, Parasitology & Microbiology laboratory of the Namazi Hospital, Shiraz , Iran , 2011-2012.

Book

1. Hasanzadeh A, Azizian Kh, Keshtvarz M, Yaghobi S. Medical Bacteriology. Publisher of Tehran Dbagharan Art & Cultural Institute. 2016. (Farsi)

Publications

Article

Published & accepted

1. **Hasanzadeh A**, Pourmand MR, Alizadeh A, Pourmand G. Prevalence and significance of fluoroquinolone-resistant bacteria carriage in patients undergoing transrectal ultrasound prostate biopsy. *Urology journal*. 2017 May 23;14(3):3085-90.
2. Morteza Hadizadeh, Amin Norouzi, Rohollah Taghadosi, Mohsen Mohammadi, **Amir Hasanzadeh**, Majid Taati Moghadam. Prevalence of qnr, intI, and intII genes in extended-spectrum beta-lactamase (ESBL)-producing *Escherichia coli* isolated from clinical samples in Iran. *Tropical Journal of Pharmaceutical Research* January 2017; 16 (1): 141-147.
3. Arezo Elyasigomari, Davood Keshavarzi, Mustapha Ahmed Yusuf, **Amir Hassanzadeh**, Narges Marvi, Marzia Shahriari-Namadi, Zahra Nassiri. Isolation of bacteria from the digestive tract of *Periplaneta americana* and *Polyphaga aegyptiaca* (Blattodea: Blattidae) in Khuzestan Province, Southwestern Iran. *Oriental Insects*. Apr 2017; 2: 1-8.
4. Behzad Deghani, Mohammad Mottamedifar, Hossein Khoshkaram-Roodmajani, **Amir Hassanzadeh**, Kamyar Zomorrodian, Amir Rahimi. SDS-PAGE analysis of the outer membrane proteins of uropathogenic *Escherichia coli* isolated from patients in different wards of Nemazee Hospital, Shiraz, Iran. *Iran J Med Sci*. 2016 Sep; 41(5): 399–405.
5. Mansour Sedighi, **Amir Hasanzadeh**, Saeid Safiri, Naema Syedi, Shayan Mostafaei, Jamshid Faghri. Detection of *blaSPM-1* Metallo- β -Lactamase Gene in Imipenem-Resistant *Pseudomonas aeruginosa* Strains Isolated From Hospitalized Patients in Isfahan Hospitals. *J Arch Mil Med*. 2015 May; 3(2): 1-5.
6. Davood Keshavarzi, Zahra Soltani, Mostafa Ebrahimi, Aboozar Soltani, Gidiglo Godwin Nutifafa, Hossein Faramarzi, Kamyar Amraee, **Amir Hassanzadeh**. Monthly prevalence and diversity of mosquitoes (Diptera: Culicidae) in Fars Province, Southern Iran. *Asian Pac J Trop Dis* 2017; 7(2): 112-120.
7. Mansour Mansouri, Davoud Afshar, Mozghan Hemati-Harsini, Abolfazl Davoodabadi, Abbas Farahani and **Amir Hasanzadeh**. Prevalence and Microbial Resistance of Uropathogenic Bacteria Isolated from Neonatal and Pediatric Patients in Western of Iran. *British Microbiology Research Journal*. 2015; 10 (6): 1-8.
8. Eftekhari A, Dizaj SM, Chodari L, Sunar S, **Hasanzadeh A**, Ahmadian E, Hasanzadeh M. The promising future of nano-antioxidant therapy against environmental pollutants induced-toxicities. *Biomedicine & Pharmacotherapy*. 2018 Jul 1;103:1018-27.
9. Hallajzadeh J, Khoramdad M, Izadi N, Karamzad N, Almasi-Hashiani A, Ayubi E, Qorbani M, Pakzad R, **Hasanzadeh A**, Sullman MJ, Safiri S. Metabolic syndrome and its components in premenopausal and postmenopausal women: a comprehensive systematic review and meta-analysis on observational studies. *Menopause*. 2018 Oct 1;25(10):1155-64.

10. **Hasanzadeh A**, Black P, Pourmand MR, Pourmand G. Clinical and Bacterial Risk Factors for Development of Post-Prostate Biopsy Infections. *Urology journal*. 2019 Mar 18.
11. **Hasanzadeh A**, Pourmand MR, Gooran S, Hosainzadegan H, Tanomand A, Pourmand G. Molecular typing of fluoroquinolone resistant *Escherichia coli* isolates from patients undergoing prostate biopsy. *Tehran University Medical Journal TUMS Publications*. 2018 Dec 15;76(9):629-36.
12. Abdar MH, Taheri-Kalani M, Taheri K, Emadi B, **Hasanzadeh A**, Sedighi A, Pirouzi S, Sedighi M. Prevalence of extended-spectrum beta-lactamase genes in *Acinetobacter baumannii* strains isolated from nosocomial infections in Tehran, Iran. *GMS hygiene and infection control*. 2019;14.
13. Ahmadian E, Dizaj SM, Rahimpour E, **Hasanzadeh A**, Eftekhari A, Halajzadeh J, Ahmadian H. Effect of silver nanoparticles in the induction of apoptosis on human hepatocellular carcinoma (HepG2) cell line. *Materials Science and Engineering: C*. 2018 Dec 1; 93:465-71.

Presented & Published Abstracts in Congresses

- Prevalence and significance of fluoroquinolone-resistant bacteria carriage in patients undergoing trans rectal ultra-sonography prostate biopsy.
32nd Annual EAU Congress, 24-28 March 2017, London, United Kingdom
Eur Urol Suppl 2017; 16(3); e1094
- Serotyping of the prevalent *E. coli* isolated from faghihi Hospital.
IV Iranian congress of clinical microbiology and the first international congress of clinical microbiology, Mashhad, Iran: 2-4 October 2012.
- Inhibition of Efflux pumps in *Staphylococcus aureus* isolates in the presence of pantoprazole. The 2nd Iranian Congress Of Medical Bacteriology 2th- 4th October 2013, Tehran- Iran.
- Clinical and microbiological predictors of post prostate biopsy infection. 5th Congress of Medical Bacteriology. 2018, Maragheh, Iran.
- Molecular typing of fluoroquinolone resistant *E. coli* isolates from patients undergoing prostate biopsy. 5th Congress of Medical Bacteriology. 2018, Maragheh, Iran.
- Comparison of antibiofilm effects of *CharaBulgaria* and *CharaBulgaria* extracts with Chlorhexidine. 5th Congress of Medical Bacteriology. 2018, Maragheh, Iran.
- Evaluating of effect of the transplanted stem cells to repair osteoarthritis. 5th Congress of Medical Bacteriology. 2018, Maragheh, Iran.
- Macroscopic identification of Soufi Chays (Maragheh) algae and study of their antibacterial properties. 5th Congress of Medical Bacteriology. 2018, Maragheh, Iran.

Research Projects

Finished

1. Clinical isolating outer membrane protein pattern from human *E. coli* from samples of patients hospitalized in faghihi hospital, Shiraz, Iran.
2. Assessment of efflux pump activity in clinical methicillin resistant *S. aureus* isolates in the presence of pantoprazole in Iran.

Underway

1. Design and synthesis of urea-based organo-silicone mesoporous (Urea-PMO-AgNPs) for stabilization of regeneration silver nanoparticles with *euphorbia* an extract and study its antibacterial and biologic properties.
2. Production and purification of antibodies against secretory proteins of *Streptococcus pneumoniae*.

Participate in the workshops

- 1) Sampling methods and sample size calculation
- 2) Safety and protection in the Bio-Medical laboratory
- 3) Essay writing workshop
- 4) Educational strategies and Methods of Teaching
- 5) Purification of insoluble proteins by denaturation method

Experiences

- 1) Expert in Basic Bacteriology
- 2) Expert in Kirby-Bauer, MIC, Serotyping, DNA Extraction, RFLP, PCR, Multiplex-PCR, Cloning, Protein Extraction, SDS-PAGE, PFGE, SNP, Electrophoresis and other tests in basic Practical Bacteriology.

Software Skill

- SPSS
- Excel
- EndNote
- MS-Word
- MS-PowerPoint
- Primer3
- Clustal W
- Alell ID
- Gel compare software
- Bionumerics software

Research Interests

- 1) Bacterial infection
- 2) Antibiotic Resistance
- 3) Nosocomial Infections
- 4) Molecular Microbiology
- 5) Metanalysis
- 6) Nanomaterials

Scientific – Executive Records

- Executive director of **5th Iranian Congress of Medical Bacteriology**
- Scientific director of **Infection Prevention Conference, Maragheh University of Medical sciences**
- Member of **Talented Students Office, Shiraz University of Medical Sciences**
- Member of **Talented Students Office, Tehran University of Medical Sciences**
- Board of Directors - **Iranian Society for Bacteriology**

Languages

English	Writing: Good	Speaking: Good	Reading: Good
Persian	Writing: Excellent	Speaking: Excellent	Reading: Excellent