



CURRICULUM VITAE

Arezoo Mirzaei

EDUCATION

2016-2021

University of Isfahan medical sciences, faculty of medicine, Bacteriology and virology Department, Ph.D.
Major: Medical Bacteriology
Supervisor: Prof. Sharareh Moghim

2013-2016

Pasteur Institute of Iran, Tehran, M.Sc.
Major: Medical Microbiology
Supervisor: Dr. Mohammadreza Asadi karam

HONORS AND AWARDS

- Top student among medical bacteriology students in Ph.D. course
- Top student among medical microbiology students in M.Sc. course
- Top researcher among the M.Sc. students in the Pasteur Institute of Iran

PROFESSIONAL COLLABORATION

Ad-hoc Reviewer

BMC Microbiology
Microbiological research

Infection Epidemiology and Microbiology

Journal of Current Biomedical Reports

EXPERIENCES

- Presented an abstract in 3rd World Congress on Microbiology and Clinical Research (Oral)
- Presented an abstract in 31st ECCMID 2021 at Vienna, Austria (E-Poster)
- Presented an abstract in ISCOMS 2017 at Netherland-Groningen (Poster)
- Presented an abstract in 27th ECCMID 2017 at Vienna (Poster)
- Participating as one the member Executive committee at 7th International Tehran Hepatitis Conference - 2nd Global Hepatitis
- Participating as one the member Executive committee at 9th international congress of laboratory & clinic
- Participating as one the member Executive committee at the 17th Iranian & International congress of Microbiology
- Participating as a one-member Executive committee at 6th International Tehran Hepatitis Conference - 1st Global Hepatitis
- Participating as one the member Executive committee at the 15th Iranian & International congress of Microbiology.

- Participating in a Biochemical fingerprinting of Bacterial using phenepate (php) system workshop
- Participating in working with laboratory animal's workshop
- Presented an abstract in 8th international congress of laboratory & clinic
- Presented an abstract in 17th Iranian & International congress of Microbiology

PUBLICATIONS

Mirzaei A, Wagemans J, Nasr Esfahani B, Lavigne R, Moghim S. A Phage Cocktail To Control Surface Colonization by *Proteus mirabilis* in Catheter-Associated Urinary Tract Infections. *Microbiology Spectrum*. 2022 Oct 4:e02092-22

Mirzaei A, Nasr Esfahani B, Ghanadian M, Moghim S. Alhagi maurorum extract modulates quorum sensing genes and biofilm formation in *Proteus mirabilis*. *Scientific Reports*. 2022 Aug 17;12(1):1-3.

Behnam Sisakhtpour, **Arezoo Mirzaei**, Vajihe Karbasizadeh, Nafiseh Hosseini, Mehdi Shabani, Sharareh Moghim. The characteristic and potential therapeutic effect of isolated multidrug-resistant *Acinetobacter baumannii* lytic phage. *Annals of clinical microbiology and antimicrobials*, 2022.

Arezoo Mirzaei, Bahram Nasr Esfahani, Abbasali Raz, Mustafa Ghanadian, Sharareh Moghim. From the Urinary Catheter to the Prevalence of Three Classes of Integrons, β -Lactamase Genes, and Differences in Antimicrobial Susceptibility of *Proteus mirabilis* and Clonal Relatedness with Rep-PCR. *BioMed research international*, 2021.

Saeedeh Ebrahimi, Behnam Sisakhtpour, **Arezoo Mirzaei**, Vajihe Karbasizadeh, Sharareh Moghim. Efficacy of isolated bacteriophage

against biofilm embedded colistin-resistant *Acinetobacter baumannii*. *Gene Reports*, 2021.

Arezoo Mirzaei, Sharareh Moghim. SARS-CoV-2, SARS and MERS: Three formidable coronaviruses which have originated from bats. *Postępy Higieny i Medycyny Doświadczalnej*, 2021.

Bahar Sadegh Ehdaei, Ahmad Pirouzmand, Mehdi Shabani, **Arezoo Mirzaei**, Sharareh Moghim. Cellular miR-101-1 Reduces Efficiently the Replication of HSV-1 in HeLa Cells. *Intervirolgy*, 2021.

Amir Khorasani, Amir Chegini, **Arezoo Mirzaei**. New Insight into Laboratory Tests and Imaging Modalities for Fast and Accurate Diagnosis of COVID-19: Alternative Suggestions for Routine RT-PCR and CT—A Literature Review. *Canadian Respiratory Journal*, 2020.

Mehrdad Halaji, Awat Feizi, **Arezoo Mirzaei**, Hadi Sedigh Ebrahim-Saraie, Amirhossein Fayyazi, Ali Ashraf, Seyed Asghar Havaei. The Global Prevalence of Class 1 Integron and Associated Antibiotic Resistance in *Escherichia coli* from Patients with Urinary Tract Infections, a Systematic Review and Meta-Analysis. *Microbial Drug Resistance*, 2020.

Sepehr Navid, Saeid Arzhang, **Arezoo Mirzaei**, Amirhosein Kefayat, Zohre Naderi. Misleading of the diagnosis of *Mycobacterium* attributed lung diseases to malignancy due to smear, culture and PCR negative results: A lesson from a case report. *Indian Journal of Tuberculosis*, 2020.

Sepehr Navid, Bahar Sadegh-Ehdaei, Mehdi Shabani, Melika Hasani, **Arezoo Mirzaei**, Kiarash Ghazvini, Masoud Youssefi, Masoud Keikha. The case report of *Mycobacterium arupense* wound infection in diabetes mellitus patients; the first report and literature review. *Access Microbiology*, 2020.

Mehdi Shabani, Bahram Nasr Esfahani, Bahar Sadegh Ehdaei, Sharareh Moghim, **Arezoo Mirzaei**, Mohammadreza Sharifi, Leili Mouhebat. Inhibition of herpes simplex virus type 1 replication by novel hsa-miR-7704 in vitro. Research in pharmaceutical sciences, 2019.

Arezoo Mirzaei, Mehri Habibi, Saeid Bouzari, Mohammad Reza Asadi Karam. Characterization of Antibiotic-Susceptibility Patterns, Virulence Factor Profiles and Clonal Relatedness in Proteus mirabilis Isolates from Patients with Urinary Tract Infection in Iran. Infection and drug resistance, 2019.

M Shabani, B Nasr-Esfahani, B Sadegh-Ehdaei, S Moghim, **A Mirzaei**, MR Sharifi. The effect of miRNA mimic hsa-miR-7704 on in-vitro replication of herpes simplex virus type 1. Journal of Isfahan Medical School, 2018.

A Piroozmand, B Sadegh-Ehdaei, M Shabani, S Moghim, **A Mirzaei**, L Mouhebat. In-vitro evaluation of miR-101-5P effect on herpes simplex virus replication. Journal of Isfahan Medical School, 2018.

Mohsen Tabasi, **Arezoo Mirzaei**, Seyed Alireza Javadinia, Mohammad Reza Eskandarion, Hadi Amrollahi. Prevalence of superficial and cutaneous fungal infections among dormitory students of Semnan university of medical sciences. Koomesh, 2016.