



Curriculum Vitae

Personal Information

Last Name: Sameni

First Name: Fatemeh

Place/Date of Birth: Arak, Iran/ September 21, 1989

Address: Infectious Diseases and Tropical Medicine Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

Web of Science Researcher ID: LKJ-2492-2024

Scopus ID: 57219518429

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<https://scholar.google.com/citations?hl=en&user=04jZQxQAAAAJ>

Education

Ph.D. in Medical Bacteriology, Shahed University, Tehran, Iran, 2018–2023

Title of thesis: Molecular typing of antibiotic-resistant isolates of *Stenotrophomonas maltophilia* and evaluation of biofilm-formation gene expression in clinical samples obtained from patients referred to selected hospitals in Tehran, Shiraz and Mashhad

Memberships

1. Peer reviewer of International Journal of International Journal of Enteric Pathogens
2. Iranian Society of Microbiology
3. Iranian Society of Medical Bacteriology
4. Executive and committee member of 23th international Iranian congress of microbiology, Tehran, Iran – 2022

5. Referee committee member in the 16th International congress of laboratory & clinic, Tehran, Iran, 2024
6. Referee committee member in the 6th International congress of Medical Bacteriology, Tehran, Iran, 2025

Research Interests

- Antimicrobial resistance
- The role of Bacteria in Human Cancers
- Colorectal Cancer and Microbiota

Projects

1. Evaluating the effects of cytotoxicity and apoptosis induction through cytoplasmic extract of *Staphylococcus aureus* on lung cancer cells through MTT test and measuring the expression of bax and bcl-2 genes
2. Systematic review of global's reports on colistin-resistant *Escherichia coli* and mcr genes distributions
3. Tuberculosis and COVID-19 Co-infection: A systematic review and meta analysis
4. Prevalence and frequency of *Mycoplasma* infections in children worldwide: A systematic review and meta analysis
5. Antimicrobial effect of rose bengal with photodynamic therapy method on multi-drug resistant clinical strains of *Stenotrophomonas maltophilia* isolated from selected hospitals of Tehran and Alborz
6. The prevalence of infectious agents in patients with urogenital cancers; a systematic review and meta-analysis
7. The prevalence of *Stenotrophomonas maltophilia* in patients with pneumonia: a systematic review and meta-analysis
8. Evaluation of Genotypes and the most Prevalent Sequence Types of Colistin Resistance *A. baumannii* Among Clinical Isolates Worldwide: A Systematic Review And Meta Analysis
9. Investigating the prevalence of methicillin-resistant *staphylococcus aureus* (MRSA) strains in Iran: a systematic review and meta-analysis
10. Investigation of the Presence of *Porphyromonas gingivalis* and *Bifidobacterium bifidum* and Evaluation of the Expression Levels of c-myc and lncRNA CCAT2 Genes in Patients with Colorectal Cancer in Comparison to the Control Group by Real-Time PCR method
11. Investigation of biofilm formation and the effect of increase the dose of antibiotic in clinical isolates of *Pseudomonas aeruginosa*, *Acinetobacter baumannii* and *Klebsiella pneumoniae* resistant to imipenem and meropenem isolated from patients admitted to the neurosurgical intensive care unit (NSICU) of Shahid Madani Hospital, Karaj, Iran, 1402–1403
12. Investigation the presence of *Porphyromonas gingivalis* and *Lactiplantibacillus plantarum* and evaluating the expression levels of EZH2 and lncRNA SNHG6 genes in patients with colorectal cancer in comparison to the control group by Real Time PCR method

Publications

1) The Relationship between the Biofilm Genes and Antibiotic Resistance in *Stenotrophomonas maltophilia*, 2023

Fatemeh Sameni, Bahareh Hajikhani, Ali Hashemi, Parviz Owlia, Mohammad Niakan, Masoud Dadashi*

International Journal of Microbiology

2) Association between colorectal cancer and expression levels of miR-21, miR-17-5P, miR-155 genes and the presence of *Fusobacterium nucleatum* in biopsy samples obtained from Iranian patients, 2023

Nazila Bostanshirin, Bahareh Hajikhani, Amir Abbas Vaezi, Fatemeh Kermanian, **Fatemeh Sameni**, Somayeh Yaslianifard, Mehdi Goudarzi, Masoud Dadashi*

Infectious Agents and Cancer

3) COVID-19 and coronary artery disease; A systematic review and meta-analysis, 2023

Bahareh Hajikhani, Mahshid Safavi, Nazila Bostanshirin, **Fatemeh Sameni**, Mona Ghazi, Shahrooz Yazdani, Mohammad Javad Nasiri, Nafiseh Khosravi-Dehaghi, Negin Nourisepehr, Saba Sayyari, Masoud Dadashi*

New Microbes and New Infections

4) Prognosticating the effect of temperature and pH parameters on size and stability of the nanoliposome system based on thermodynamic modeling, 2023

Fardin Rahimi, Pari Hajizadeh, Ghassem Amoabediny*, Bahman Ebrahimi, Mansoor Khaledi, **Fatemeh Sameni**, Hamed Afkhami, Shahriar Bakhti, Elham Rafiee Taqanaki, Mahdi Zafari

Journal of Liposome Research

5) Investigating the Presence of Efflux Pump Genes *adeI* and *adeJ* in Clinical Antibiotic-Resistant Isolates of *Acinetobacter baumannii*, 2023

Samaneh Ghafari, Reza Mirnejad, **Fatemeh Sameni**, Mohamad Hoseyn Dehghan-Tarazjani, Mansoor Khaledi, Mohammad Niakan*

Jundishapur Journal of Microbiology

6) Global prevalence and distribution of antibiotic resistance among clinical isolates of *Stenotrophomonas maltophilia*: A systematic review and meta-analysis, 2023

Masoud Dadashi*, Bahareh Hajikhani, Nooshin Nazarinejad, Negin Noorisepehr, Shahrooz Yazdani, Ali Hashemi, Zahra Hashemizadeh, Mehdi Goudarzi, **Fatemeh Sameni**

Journal of Global Antimicrobial Resistance

7) Pulmonary Manifestations of SARS Co-V-2 Infection in Mild/Severe Patients, 2023

Zahra Jalili, Hamid Reza Jalili, Nooshin Nazarinejad, Bahareh Hajikhani, Shahrooz Yazdani, Sara Bahonar, **Fatemeh Sameni***

Novelty in Biomedicine

8) COVID-19 and tuberculosis coinfection: An overview of case reports/case series and meta-analysis of prevalence studies, 2023

Parham Daneshvar, Bahareh Hajikhani, **Fatemeh Sameni**, Negin Noorisepehr, Fereshteh Zare, Nazila Bostanshirin, Shahrooz Yazdani, Mehdi Goudarzi, Saba Sayyari, Masoud Dadashi*
Heliyon

9) A comprehensive review of CNS and PNS manifestations of SARS-CoV-2 infection, 2023
Zahra Jalili, Sina Ghasemi, Mehrnoosh Nikpour, Bahareh Haji Khani, Saba Sayari, Nooshin Nazarinejad, **Fatemeh Sameni***
International Journal of Molecular and Clinical Microbiology

10) Prevalence of bla_{NDM}-producing *Acinetobacter baumannii* strains isolated from clinical samples around the world; a systematic review, 2022
Bahareh Hajikhani, **Fatemeh Sameni**, Khashayar Ghazanfari, Bahareh Abdolali, Armin Yazdanparast, Aram Assarehzadegan, Mohammad Javad Nasiri, Mehdi Goudarzi, Masoud Dadashi*
Gene Reports

11) The adeH and adeS Efflux Pump Genes in Imipenem and Colistin-Resistant *Acinetobacter baumannii* Clinical Isolates, 2022
Azam Aghili Amjad, Mohammad Niakan*, **Fatemeh Sameni**, Shahriar Bakhti, Mansoor Khaledi, Hamed Afkhami, Reza Mirnejad
Journal of Medical Microbiology and Infectious Diseases

12) Prevalence of Cutaneous Manifestations in COVID-19 Patients and Their Relationship With Disease Severity, 2022
Fatemeh Sameni, Kimia Kazemi, Yousef Atefpour, Somayeh Yaslianifard, Masoud Dadashi*
International Journal of Enteric Pathogens

13) Extrapulmonary Manifestations of COVID-19 in Mild/Severe Patients, 2022
Fatemeh Sameni, Arash Khorram, Nooshin Nazarinejad, Ayda Vahabi, Bahareh Hajikhani, Shahrooz Yazdani, Zahra Jalili, Masoud Dadashi*
International Journal of Enteric Pathogens

14) Circular RNAs and tuberculosis infection, 2022
Zahra Hemati, Foroogh Neamati, Mansoor Khaledi, Seyed Mohammad Gheibihayat, Leila Jafarzadeh, Mansooreh Momen-Heravi, Mohammad Hossein Haddadi, **Fatemeh Sameni**, Hadis Fathizadeh*
International Journal of Biological Macromolecules

15) A review on phylogenetic assessment and cytopathogenesis of filoviruses, retroviruses, and coronaviruses transmitted from bat to human, 2022
Mansoor Khaledi, Neda Yousefi Nojookambari, Hamed Afkhami, **Fatemeh Sameni**, Sajjad Yazdansetad*
Cellular and Molecular Research (Iranian Journal of Biology)

16) Global distribution, genotypes and prevalent sequence types of colistin-resistant *Klebsiella pneumoniae* isolated from clinical samples; A systematic review, 2022

Fatemeh Sameni, Mona Ghazi, Masoud Dadashi*, Nazila Bostanshirin, Hussein OM Al-Dahmoshi, Nafiseh Khosravi-Dehaghi, Mohammad Javad Nasiri, Mehdi Goudarzi, Bahareh Hajikhani*

Gene Reports

17) COVID-19 and the potential of Janus family kinase (JAK) pathway inhibition: A novel treatment strategy, 2022

Mansoor Khaledi, **Fatemeh Sameni**, Sheida Yahyazade, Maedeh Radandish, Parviz Owlia*, Nader Bagheri*, Hamed Afkhami, Mohamad Mahjoor, Zahra Esmaelpour, Maryam Kohansal, Farzad Aghaei

Frontiers in Medicine

18) Infective endocarditis by HACEK: a review, 2022

Mansoor Khaledi, **Fatemeh Sameni**, Hamed Afkhami, Jaber Hemmati, Aram Asareh Zadegan Dezfuli, Mohammad-Javad Sanae, Majid Validi*

Journal of Cardiothoracic Surgery

19) Evaluation of *Ureaplasma urealyticum*, *Chlamydia trachomatis*, *Mycoplasma genitalium* and *Neisseria gonorrhoeae* in infertile women compared to pregnant women, 2022

Fatemeh Sameni, Shahrzad Zadehmodarres, Hossein Dabiri*, Mansoor Khaledi, Fatemeh Nezamzadeh

Journal of Obstetrics and Gynaecology

20) Investigation of Antibacterial Effect of *Ferula macrocolea* Extract and Quantity Determination of Inhibitory Effect on 4 Standard Strains of Gram Positive and Gram Negative Bacteria, 2022

Mohammad Ali Naderi, Hamed Afkhami, Fatemeh Ghaffarian, Marzieh Rahimi, **Fatemeh Sameni**, Neda Khorshidi, Atefeh Akbari*

Plant Biotechnol Persa

21) SARS-CoV-2 and HIV co-infection; clinical features, diagnosis, and treatment strategies: A systematic review and meta-analysis, 2022

Masoud Dadashi, Ali Dadashi, **Fatemeh Sameni**, Shahram Sayadi, Mehdi Goudarzi, Mohammad Javad Nasiri, Somayeh Yaslianifard, Mona Ghazi, Reza Arjmand, Bahareh Hajikhani*

Gene Reports

22) Global prevalence and molecular epidemiology of mcr-mediated colistin resistance in *Escherichia coli* clinical isolates: A systematic review, 2022

Masoud Dadashi, **Fatemeh Sameni**, Nazila Bostanshirin, Somayeh Yaslianifard, Nafiseh Khosravi-Dehaghi, Mohammad Javad Nasiri, Mehdi Goudarzi, Ali Hashemi, Bahareh Hajikhani*

Journal of Global Antimicrobial Resistance

23) COVID-19 and Down Syndrome: Why Individuals With Down Syndrome Are More Susceptible to Severe COVID-19 Infection?, 2022

Fatemeh Sameni, Bahareh Hajikhani, Saba Sayyari, Masoud Dadashi*
International Journal of Enteric Pathogens

24) The controversial association of gut and urinary microbiota with kidney stone formation, 2021
Narjess Bostanghadiri, Pardis Ziaeefer, **Fatemeh Sameni**, Mohammad Mahmoudi, Ali Hashemi, Davood Darban-Sarokhalil*
Microbial Pathogenesis

25) Diagnostic testing for coronavirus disease 2019: a narrative review, 2021
Fatemeh Sameni, Nafiseh Khosravi-Dehaghi, Bahareh Hajikhani, Masoud Dadashi*, Mohammad Mohammadzadeh, Shahrooz Yazdani, Mehdi Goudarzi, Mona Ghazi*
International Journal of Enteric Pathogens

26) The Role of Vitamin D in the Immune System During COVID-19 Infection, 2021
Fatemeh Sameni, Bahareh Hajikhani, Masoud Dadashi*
International Journal of Enteric Pathogens

27) COVID-19 and diabetes: a narrative review, 2021
Fatemeh Sameni, Shahnaz Shahrjerdi, Arash Khorram, Shahrooz Yazdani, Bahareh Hajikhani, Nooshin Nazarinejad, Mehdi Goudarzi, Mohammad Javad Nasiri, Masoud Dadashi*
International Journal of Enteric Pathogens

28) COVID-19 coinfection in patients with active tuberculosis: first case-report in Iran, 2021
Nasrin Ghodrati Fard*, Mansoor Khaledi, Hamed Afkhani, Molood Barzan, Hamed Eraghiye Farahani, **Fatemeh Sameni**, Omid Gholizade, Fatemeh Maghsoudi, Reza Farhadi Nezhad, Seyed Ali Nojoumi, Sheida Mohammadi
Authorea Preprints

29) Antibiotic resistance assessment of *Acinetobacter baumannii* isolates from Tehran hospitals due to the presence of efflux pumps encoding genes (adeA and adeS genes) by molecular method, 2020
Batool Basatian-Tashkan, Mohammad Niakan*, Mansoor Khaledi, Hamed Afkhani, **Fatemeh Sameni**, Shahriar Bakhti, Reza Mirnejad
BMC Research Notes

30) Excess iron ion reduction in a thalassemia model using silver nanoparticles modified by the tannin fraction of *Myrtus communis* extract, 2020
Shirin Tavakoli, Mohammad Ali Ebrahimzadeh, **Fatemeh Sameni**, Pourya Biparva, Hamidreza Mohammadi, Ali Ziar, Afshin Zahedi Mazandarani, Soheil Vafaeinejad, Shahram Eslami*
Nanomedicine Research Journal

31) COVID-19 and skin manifestations: an overview of case reports/case series and meta-analysis of prevalence studies, 2020
Fatemeh Sameni, Bahareh Hajikhani, Somayeh Yaslianifard, Mehdi Goudarzi, Parviz Owlia,

Mohammad Javad Nasiri, Shervin Shokouhi, Mahmood Bakhtiyari, Masoud Dadashi*
Frontiers in Medicine

32) Safety evaluation of nano iron zero valente green synthesized: A comparative study, 2020
Shirin Tavakoli, **Fatemeh Sameni**, Mohammad Ali Ebrahimzadeh, Pourya Biparva, Hamidreza Mohammadi, Afshin Zahedi, Alireza Rafiei, Mostafa Kardan, Shahram Eslami*
Nanomedicine Research Journal

33) Distribution of Integron Class I in Drug Resistant *Pseudomonas aeruginosa* Isolated from Clinical Samples, 2020
Fatemeh Sameni, Ali Esmaeili, Hossein Dabiri*, Robab Azargun, Hossein Goudarzi, Alireza Mohammadzadeh
Research in Medicine

34) Investigating the presence of type IV pilin subgenus in *Pseudomonas aeruginosa* isolated from clinical and non-clinical samples, 2019
Fatemeh Sameni, Mehrnaz Shahbeik, Hosein Dabiri*
Iranian Journal of Medical Microbiology

35) Prevalence of *Chlamydia Trachomatis*, *Mycoplasma genitalium* and *Neisseria gonorrhoea* in infertile females referred to Mahdiah hospital in Tehran, 2017
Fatemeh Sameni, Shahrzad Zadeh Modarees, Hossein Dabiri*
Iranian Journal of Medical Microbiology

36) Identification, isolation and evaluation of the antibiotic resistance pattern of *Stenotrophomonas maltophilia* isolated from blood samples of patients referred to medical centers in Qazvin, 2023
Fatemeh Sameni, Maedeh Pourali Eshkalak, Bahareh Hajikhani, Mona Ghazi, Masoud Dadashi*
Daneshvar Medicine

37) Ocular manifestations and drugs used for treatment of ocular complaints in COVID-19: a review, 2023
Arash Khorram, Nafiseh Khosravi-Dehaghi, Bahareh Hajikhani, Masoud Dadashi, **Fatemeh Sameni***
International Journal of Enteric Pathogens

38) Fusion Proteins in the Fight Against Colorectal Cancer: Assessing the Cytotoxic Potential of Recombinant Nisin-Arginine Deiminase Fusion Protein, 2024
Bahareh Hajikhani, Naghmeh Boyaghchi, Samin Mirhosseini, Mehdi Goudarzi, Sareh Kakavandi, Hossein Goudarzi, **Fatemeh Sameni**, Nafiseh Khosravi-Dehaghi, Masoud Dadashi*
Infection Epidemiology and Microbiology

39) The frequency of *Bacteroides fragilis* and the level of Mismatch repair genes expression in the samples of patients with colorectal cancer referred to Tehran hospitals, 2024
Nooshin Nazarinejad, Bahareh Hajikhani, Amir Abbas Vaezi, Farzaneh Firoozeh, **Fatemeh**

Sameni, Somayeh Yaslianifard, Mehdi Goudarzi, Masoud Dadashi*
BMC Gastroenterology

40) *Mycoplasma pneumoniae* infection among children; a systematic review and meta-analysis of published literature, 2024

Bahareh Hajikhani, Parastoo Sharifian, Mahshid Safavi, Mehdi Goudarzi, **Fatemeh Sameni**, Reza Arjmand, Saba Sayyari, Shahrooz Yazdani, Masoud Dadashi*
International Journal of Enteric Pathogens

41) Potential Role of Gut Microbiota in Major Depressive Disorder: A Review, 2024

Mansoor Khaledi¹, **Fatemeh Sameni**¹, Abolfazl Gholipour, Shahnaz Shahrjerdi, Reza Golmohammadi, Hadi Esmaeili Gouvarchin Ghaleh, Behnam Poureslamfar, Jaber Hemmati, Niloofer Mobarezpour, Yaser Eshaghi Milasi, Fatemeh Rad, Mahtab Mehboodi, Parviz Owlia*
Heliyon

42) Biofilm Formation by Quorum Sensing and Manners to Deal It, 2024

Shahriar Bakhti, Ahdiyeh Saghabashi, Shahrzad Aliniay Sharafshadehi, Samad Rastmanesh, Narjess Bostanghadiri, Ali Jalilpiran, Javad Fathi, Alireza Gholipour Shahraki, **Fatemeh Sameni***
Journal of Medical Bacteriology

43) The role of gut microbiota in human metabolism and inflammatory diseases: a focus on elderly individuals, 2024

Mansoor Khaledi, Behnam Poureslamfar, Hashem O Alsaab, Shahrzad Tafaghodi, Ahmed HJazi, Rajesh Singh, Ahmed Hussien Alawadi, Ali Alsaalamy, Qutaiba A Qasim, **Fatemeh Sameni***
Annals of Microbiology

44) Cytotoxic and apoptosis-inducing properties of *Staphylococcus aureus* cytoplasmic extract on lung cancer cells: Insights from MTT assay and bax/bcl-2 gene expression analysis, 2024

Mehrshad Ahmadi, Bahareh Hajikhani, Atefeh Shamosi, Somayeh Yaslianifard, **Fatemeh Sameni**, Mostafa Qorbani, Mohammad Mohammadzadeh, Masoud Dadashi*
Anti-Cancer Agents in Medicinal Chemistry

45) Evaluation of the effect of *Drimia Maritima* and curcumin extracts in changes in the expression of Bax, Bcl-2, and P53 genes in lung cancer non-small cell, 2023

Negin Nourisepehr, Fatemeh Soleimanifar*, Nafiseh Khosravi-Dehaghi, Hossein Mahboudi, Fereshteh Zare, Afsaneh Tavasoli, **Fatemeh Sameni**, Hamed Haddad Kashani
Research Square

46) Association between exercise and changes in gut microbiota profile: a review, 2023

Mansoor Khaledi, Mohammad Darvishi, **Fatemeh Sameni***, Shahnaz Shahrjerdi, Esmail Karami, Nesa Barahui, Jaber Hemmati, Maryam Sadat Hasheminasab, Mohammad Javad Sanae, Reza Akhavan Sigari, Parviz Owlia*
Sport Sciences for Health

47) A Comprehensive Review of Herbal Recommendations with the Potential to Inhibit COVID-19 Infection, 2023

Mansoor Khaledi, **Fatemeh Sameni**, Hossein Amini-Khoei, Mehran Bakhtiari, Najmeh Sedighimehr, Javad Fathi*, Maede Ghiyasvand, Zahra Mottaghiyan, Saina Najafi, Pouneh Mohammadpour, Zahra Shirzazd, Azam Haghighatfard, Majid Validi*

Journal of Medical Bacteriology

48) Global prevalence of *Fusobacterium nucleatum* and *Bacteroides fragilis* in patients with colorectal cancer: a systematic review and meta-analysis, 2025

Fatemeh Sameni, Parisa Abedi Elkhichi, Ali Dadashi, Mohammad Sadeghi, Mehdi Goudarzi, Maedeh Pourali Eshkalak, Masoud Dadashi*

BMC Gastroenterology

49) Possible Link between Gut Microbiota, Diet, and COVID-19 Infection, 2024

Paria Fazli, Shima Saberifard, Mahla Azimi, Zahra Miri Kordkandi, Bita Zandi, Fatemeh Roozbahani, Yalda Malekzadegan, Mohammad Ghodratie, **Fatemeh Sameni***

Journal of Medical Bacteriology

50) Beyond the Gut: A Comprehensive Meta-Analysis on *Helicobacter pylori* Infection and Cardiovascular Complications, 2025

Somayeh Yaslianifard, **Fatemeh Sameni**, Kimia Kazemi, Yousef Atefpour, Bahareh Hajikhani, Ali Baradaran Bagheri, Shahrooz Yazdani*, Masoud Dadashi*

Annals of Clinical Microbiology and Antimicrobials

51) Insights into Antibiotic Resistance and Prevalence of *Stenotrophomonas maltophilia* isolated from clinical samples in Iran: A Systematic Review, 2025

Fatemeh Sameni, Ali Dadashi, Bahareh Hajikhani, Maedeh Pourali Eshkalak, Alex van Belkum, Ali Hashemi, Azadeh Alirezaei, Masoud Dadashi*

New Microbes and New Infections

52) Global mapping of sexually transmitted *Chlamydia trachomatis* disease: a systematic review and meta-analysis, 2025

Fatemeh Sameni, Tala Hajjarab, Sara Bayat, Mehrshad Ahmadi, Alex van Belkum, Ali Dadashi, Mehdi Goudarzi, Masoud Dadashi

BMC Infectious Diseases

53) Photodynamic therapy with Rose Bengal against resistant *Stenotrophomonas maltophilia*: effects on SmeDEF efflux gene expression, 2025

Samira Yarmoradi, **Fatemeh Sameni**, Mina Sadat Naderi, Reza MohammadSalehi, Seyed Mehdi Tabaie, Hosein Rafiemanesh, Masoud Dadashi*

Lasers in Medical Science

54) Global mapping of sexually transmitted *Chlamydia trachomatis* disease: a systematic review and meta-analysis, 2026

Fatemeh Sameni, Tala Hajjarab, Sara Bayat, Mehrshad Ahmadi, Alex Van Belkum, Ali Dadashi, Mehdi Goudarzi, Masoud Dadashi

BMC Infectious Diseases

55) The global detection rate of human papillomavirus DNA in ovarian cancer: a systematic review and meta-analysis

Fatemeh Sameni, Mahshid Safavi, Parisa Abedi Elkhichi, Maryam Vaezjalali, Masoumeh Navidinia, Amir Bairami, Masoud Dadashi

BMC Infectious Diseases

56) Dengue virus infection and Skin Manifestations: A Systematic Review and Meta-Analysis

Fatemeh Sameni, Mehrshad Ahmadi, Mohammad Mohammadzadeh, Seyed Mehdi Tabaie, Amir Bairami⁴ Maedeh Pourali Eshkalak, Masoud Dadashi

Infection, Epidemiology and Microbiology

Attendance in congress

Poster Presentations

1. Skin manifestations associated with COVID-19: A meta-analysis from Case Reports/ Case Series, IRAN's 22nd International Virtual Congress of Microbiology, 2021
2. Coronavirus disease 2019 (COVID-19) among HIV-positive patients: A systematic review and meta-analysis, IRAN's 22nd International Virtual Congress of Microbiology, 2021
3. Assessing the prevalence of certain bacterial infections in infertile and pregnant women, IRAN's 23rd International Virtual Congress of Microbiology, 2022
4. Prevalence of Ureaplasma urealyticum in vaginal swab samples of infertile females referred to Mahdieh Hospital of Tehran, 19th International Iranian Congress of Microbiology, 2018
5. Global prevalence of bla_{NDM}-producing Acinetobacter baumannii strains isolated from clinical samples: a systematic review, 13th International Congress of Laboratory and Clinic, 2022
6. Ocular manifestations of COVID-19: a narrative review, IRAN's 22nd International Virtual Congress of Microbiology, 2021
7. Antibiotic resistance and detection of sulfonamide resistance genes (sul1 and sul2) among clinical isolate of Stenotrophomonas maltophilia, 17th Professor Alborzi International Congress of Clinical Microbiology, 2024

8. Antibiotic Resistance Pattern of *Stenotrophomonas maltophilia* Isolated From Bacteremia Patients, 18th Professor Alborzi International Congress of Clinical Microbiology, 2024
9. The Impact of Alpha-Cyclodextrin and Beta-Cyclodextrin-Calendula Formulations on Inhibiting *Escherichia coli* Growth and Accelerating Wound Healing, 6th Iranian Medical Bacteriology Congress, 2025
10. Association between Colorectal Cancer and the abundance of *Fusobacterium nucleatum* and *Bacteroides fragilis*: A Systematic Review and Meta-Analysis, 6th Iranian Medical Bacteriology Congress, 2025
11. Antibiotic Resistance of *Stenotrophomonas maltophilia* in Iran: A Systemic Review, 6th Iranian Medical Bacteriology Congress, 2025
12. Evaluation of antimicrobial susceptibility and resistance genes in clinical isolates of *Stenotrophomonas maltophilia*, 6th Iranian Medical Bacteriology Congress, 2025
13. Managing HBV and HIV Coinfections: Obstacles and Emerging Strategies, 9th National Congress of HIV/AIDS, 2025
14. Immunological Effects of Probiotic Supplementation in People Living with HIV: Systematic Review and Meta-Analysis of 18 Randomised Trials, 9th National Congress of HIV/AIDS, 2025

Oral Presentations

1. Prevalence of mcr-producing *Klebsiella pneumoniae* among clinical isolates around the world: A systematic review, IRAN's 22nd International Virtual Congress of Microbiology, 2021
2. Review of the Diagnostic techniques for COVID-19, Tehran, IRAN's 22nd International Virtual Congress of Microbiology, 2021
3. A comprehensive review of extrapulmonary features of SARS-CoV-2, 14th International Congress of Laboratory and Clinic, 2023

Books

1. Clinical Features, Diagnosis, and Treatment of COVID-19
2. An overview of bacterial diagnostics
3. CRISPR
4. Bacteria & Cancer
5. Antibiotics: mechanisms of action and challenges
6. Procedures for the microbiology laboratory
7. Basic and application of microscopes, optical and electronic
8. COVID-19: The Essentials of Prevention and Treatment
9. Antibiotics: An Overview

Laboratory Skills

- Molecular typing of bacteria (phenotypic and genotypic approaches)

- Primer and probe designing for molecular diagnostic and research assays
- Repetitive sequence-based PCR (Rep-PCR, ERIC-PCR)
- Multilocus Sequence Typing (MLST)
- Multiplex PCR assay
- Real-Time PCR (qPCR)
- DNA extraction from bacterial isolates
- RNA extraction and cDNA synthesis
- Agarose gel electrophoresis
- Drug susceptibility testing of bacteria (Broth microdilution, E-test, Disk diffusion)
- Biofilm formation assays using microtiter plate method

Attendance in Workshops and Courses

1. Clinical application of probiotics, 2nd International Biomedical Congress, Tehran, Iran
2. Get Acquaintance with the Next-generation sequencing (NGS) Method, 2nd International Biomedical Congress, Tehran, Iran
3. Get Acquaintance with the Flow Cytometry, 2nd International Biomedical Congress, Tehran, Iran
4. Get Acquaintance with the Evaluation of gene expression changes by Real time PCR, 2nd International Biomedical Congress, Tehran, Iran
5. A systematic review and meta-analysis, 6th International Congress and 8th National Congress of Wound and Tissue Repair, Tehran, Iran
6. Statistical analysis, Alborz Deputy of Food and Drug Administration, Alborz, Iran
7. Research for scientific articles, Alborz Deputy of Food and Drug Administration, Alborz, Iran
8. Writing workshop, Alborz Deputy of Food and Drug Administration, Alborz, Iran

Teaching Experiences

1. Teaching for Basic Sciences Student in Alborz university of Medical Sciences (2023–2025)