

*In The Name of God*

**Prof. Fatemeh Fallah Specialist in clinical Microbiology**

Department of Microbiology,school of Medicine& RICH ,Pediatric Infections research Center Shahid Beheshti Univ.M.S

- 2001 : Postdoctoral fellowship at Bradford University, UK. Major: Anti-mycobacterium drug(Natural products)
- 1992 : Specialist of Clinical Microbiology from Shaheed Beheshti University. Major: Culture Media for Mycobacterium

**Position:**

- **President of the Iranian Society for Medical Bacteriology(2018-Now)**
- Associate Dean of Research Institute Children Health (2017-now)
- Associate Dean of Student and Cultural(2014-2017)
- Professor of Medical Microbiology(2008-now)
- Associate prof.of Microbiology,Department of Microbiology,school of Medicine, Shahid Beheshti Univ.(2004 -2008)
- Assistant Prof. of Microbiology ,Department of Microbiology, School of Medicine,Shahid Beheshti Univ. (1996-2004)
- Membership of International Society for Infectious Disease (ISID)
- Faculty Member of (BCG department) Pasteur Institute (1986-1996)

**Interested in these fields:**

1. Antibiotic resistance
2. BCG Vaccine
3. Mycobacterium tuberculosis
4. Virulence Factor of Strep .Pneumonia
5. Anaerobic Bacteria
6. Activity of Natural plants against Microbes
7. Molecular Diagnostic Methods

**Workshop**

**Health Refrence Lab .CLSI ,2013**  
PIRC-Antibiogram methods ,May 2010,  
JPIRC-Tb workshop June 2009  
Mongolia –Safty in the lab.June 2008  
Egypt-pneumonia ethiology .Feb.2007  
PIRC-Sampling -Oct 2009  
PIRC-Sampling-Feb 2003  
PIRC-Methodology –Mar 2003

Books :

- - Performance Standard for Antimicrobial Susceptibility Testing-CLSI 2014
- -Medical Virology in Farci 2007
- **Disinfection and sterilization methods- 1 in Farci 2002**
- **Disinfection And Sterilization -2 in Farci 2007**
- Medical virology in Farci-2000
- Translate of Clinical microbiology Murray's to farci
- Basic Laboratories method in Clinical Bacteriology with CLSI in Farci 2014
- Common Infectious Bacteria in Iran 2013
- Review of Helicobacter pylori 2016

**English Papers: about 150 papers**

Azimi, T., Pourmand, M.R., Fallah, F., (...), Shirdoust, M., Azimi, L. Serosurvey and molecular detection of the main zoonotic parasites carried by commensal Rattus norvegicus population in Tehran, Iran.2020,Tropical Medicine and Health, 48(1),60

Azimi, T., Mirzadeh, M., Sabour, S., (...), Fallah, F., Pourmand, M.R. Coagulase-negative staphylococci (CoNS) meningitis: a narrative review of the literature from 2000 to 2020.New Microbes and New Infections, 37,100755

Azimi, L., Karimi, A., Alebouyeh, M., (...), Shirvani, F., Ghanaie, R.M. Current concepts on immunopathology of COVID-19 and emerging therapies. Archives of Pediatric Infectious Diseases, 2020,8(3),e104266, pp. 1-8

Hoseini-Alfatemi, S.M., Fallah, F., Armin, S., (...), Karimi, A., Kalanaky, S. Evaluation of blood and liver cytotoxicity and apoptosis-necrosis induced by nanochelating based silver nanoparticles in mouse model. Iranian Journal of Pharmaceutical Research,2020, 19(2), pp. 207-218

Khatiri, F.A., Fahimzad, S.A., Fallah, F., Armin, S., Azimi, L Frequency of mdr acinetobacter baumannii and the most common oxa-type genes in multiple drug-resistant strains isolated from patients in tabriz imam reza hospital. Journal of Mazandaran University of Medical Sciences,2020, 30(187), pp. 117-126

Houri, H., Ghalavand, Z., Faghihloo, E., Fallah, F., Mohammadi-Yeganeh, S. Exploiting yoeB-yefM toxin-antitoxin system of Streptococcus pneumoniae on the selective killing of miR-21 overexpressing breast cancer cell line (MCF-7). Journal of Cellular Physiology, 2020,235(3), pp. 2925-2936

Leila Azimi#1, Abdollah Karimi#1, Masoud Alebouyeh1, \*, Armin Shirvani1, \*\*, Saeid Maham1,Sedigheh Rafiei Tabatabaei1, Shahnaz Armin1, **Fatemeh Fallah1**, Maryam Rajabnejad1, Seyed AlirezaFahimzad1, Fariba Shirvani1and Roxana Mansour Ghanaie

Current Concepts on Immunopathology of COVID-19 and Emerging Therapies Arch Pediatr Infect Dis. 2020 July; 8(3)

Shirvani, A., Azimi, L., Ghanaie, R.M., Maham, S., Fallah, F., Karimi, A. Utility of available methods for diagnosing SARS-CoV-2 in clinical samples .

**2020**Archives of Pediatric Infectious Diseases

Fallah, F., Azimi, T., Azimi, L., (...), Saadat Sadeghi, A., Armin, S. Evaluating the antimicrobial resistance and frequency of AmpC  $\beta$ -lactamases blaCMY-2 gene in Gram-negative bacteria isolates collected from selected hospitals of Iran: A multicenter retrospective study. 2020,Gene Reports, 21,100868

Armin, S., Fallah, F., Karimi, A., (...), Marhamati, N., Azimi, L. Frequency of extended-spectrum beta-lactamase genes and antibiotic resistance patterns of Gram-negative bacteria in Iran: A multicenter study.2020,Gene Reports, 21,100783

Shariati, A., Fallah, F., Pormohammad, A., (...), Alizadeh-Sani, M., Azimi, T.The possible role of bacteria, viruses, and parasites in initiation and exacerbation of irritable bowel syndromeJournal of Cellular Physiology, 2019.234(6), pp. 8550-8569

Ardehali, S.H., Azimi, T., Fallah, F., (...), Aghamohammadi, N., Azimi, L. Role of efflux pumps in reduced susceptibility to tigecycline in Acinetobacter baumannii New Microbes and New Infections, 2019.30,100547

Azimi, T., Nasiri, M.J., Zamani, S., (...), Feizabadi, M.M., Fallah, F. High genetic diversity among Mycobacterium tuberculosis strains in Tehran, Iran Journal of Clinical Tuberculosis and Other Mycobacterial Diseases,2018. 11, pp. 1-6

Tajbakhsh, M., Karimi, A., Tohidpour, A., (...), Fallah, F., Akhavan, M.M.The antimicrobial potential of a new derivative of cathelicidin from Bunopus fasciatus against methicillin-resistant Staphylococcus aureusJournal of Microbiology, 2018.56(2), pp. 128-137

Dadashi, M., Nasiri, M.J., Fallah, F., (...), Emaneini, M., Mirpour, M. Methicillin-resistant Staphylococcus aureus (MRSA) in Iran: A systematic review and meta-analysis Journal of Global Antimicrobial Resistance,2018. 12, pp. 96-103

Hoseini-Alfatemi, S.M., Karimi, A., Armin, S., (...), Fallah, F., Kalanaky, S. Antibacterial and antibiofilm activity of nanochelating based silver nanoparticles against several nosocomial pathogens Applied Organometallic Chemistry, 2018.32(5),e4327

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Karimi, A., Ghalavand, Z., Fallah, F., (...), Alebouyeh, M., Rashidan, M.Prevalence of virulence determinants and antibiotic resistance patterns of Enterococcus faecalis strains in patients with community-acquired urinary tract infections in Iran International Journal of Environmental Health Research 2018 28(6), pp. 599-608

Tajbakhsh, M., Akhavan, M.M., Fallah, F., Karimi, A.A Recombinant Snake Cathelicidin Derivative Peptide: Antibiofilm Properties and Expression in Escherichia coli Biomolecules 8(4) 2018

Armin, S., Fallah, F., Azimi, L., (...), Hasanzadeh, S., Karimi, A. Warning: Spread of NDM-1 in two border towns of Iran. Cellular and Molecular Biology, 2018.64(10), pp. 125-129

Fallah, F., Zargar, M., Yousefi, M., Alam, A.N.Synthesis of the erythromycin-conjugated nanodendrimer and its antibacterial activity European Journal of Pharmaceutical Sciences 2018 123, pp. 321-326

Mobasseri, P., Azimi, L., Salehi, M., Hosseini, F., Fallah, F.Distribution and expression of efflux pump gene and antibiotic resistance in acinetobacter baumannii Archives of Clinical Infectious Diseases 2018 13(5),e67143

Bakhshi, B., Afshari, N., Fallah, F.Enterobacterial repetitive intergenic consensus (ERIC)-PCR analysis as a reliable evidence for suspected Shigella spp. outbreaks Brazilian Journal of Microbiology 2018 49(3), pp. 529-533

Pormohammad, A., Nasiri, M.J., Riahi, S.M., Fallah, F.Human immunodeficiency virus in patients with tuberculous meningitis: systematic review and meta-analysis Tropical Medicine and International Health 2018 23(6), pp. 589-595

Owrang, M., Fallah, F., Irani, S., Rahbar, M., Eslami, G.Identification and isolation of insertion sequences, in carbapenem resistant clinical isolates of acinetobacter baumannii from Tehran hospitals Jundishapur Journal of Microbiology 2018 11(6),e58251

Fallah, F., Nasiri, M.J., Pormohammad, A.Bacillus Calmette-Guerin (BCG) vaccine in Iran Journal of Clinical Tuberculosis and Other Mycobacterial Diseases 2018 11, pp. 22

Azimi, T., Nasiri, M.J., Zamani, S., (...), Feizabadi, M.M., Fallah, F. High genetic diversity among *Mycobacterium tuberculosis* strains in Tehran, Iran *Journal of Clinical Tuberculosis and Other Mycobacterial Diseases* 2018  
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Amanati, A., Karimi, A., Fahimzad, A., (Fallah, F...), Mahdavi, A., Talebian, M. Prevalence of human herpes viruses in bronchoalveolar lavage of critically ill children undergoing mechanical ventilation at a pediatric intensive care unit *Archives of Pediatric Infectious Diseases* 2018  
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Tajbakhsh, M., Karimi, A., Tohidpour, A., (...), Fallah, F., Akhavan, M.M. The antimicrobial potential of a new derivative of cathelicidin from *Bungarus fasciatus* against methicillin-resistant *Staphylococcus aureus* *Journal of Microbiology* 2018  
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5(4), e61630

Fatemeh Fallah,\*<sup>1</sup>, Yasaman Saeb, Abdolah Karimic, Mohamad Rahbard, Sedigheh Rafiei Tabatabaei,<sup>2</sup>\*Distribution of capsular types and drug resistance patterns of invasive pediatric *Streptococcus pneumoniae* isolates in Teheran, Iran Hamidreza Houria, International Journal of Infectious Diseases 57 (2017) 21–26

Hamidreza Houra, Ali Pormohammad, Seyed Mohammad Riahi, Mohammad Javad Nasiri, Fatemeh Fallah, Hossein Dabiri<sup>1</sup>, Ramin Pouriran.Acute bacterial meningitis in Iran: Systematic review and meta-analysis. PLOS ONE .February 7, 2017

N. Karami<sup>1</sup>, A. Karimi<sup>1</sup>, A. Aliahmadi<sup>2</sup>, F. Mirzajani<sup>3</sup>, H. Rezadoost<sup>4</sup>, A. Ghassempour<sup>4</sup>, F. Fallah<sup>1\*</sup> Identification of bacteria using volatile organic compounds. 113 Identification of bacteria using VOCs. Cell Mol Biol (Noisy le Grand) 2017 | Volume 63 | Issue 2

Sedigheh Rafiei Tabatabaei, Mohammad Rahbar, Ali Nazari Alam, ,\* Fatemeh Fallah, Ali Hashemi, Masoud Yousefi, Hamidreza Houra, and Abdollah Karimi .Detection of *pbp2b* Gene and Antimicrobial Susceptibility Pattern of *Streptococcus pneumoniae* Isolates in Tehran Hospitals, Iran.Arch Pediatr Infect Dis. 2017 January; 5

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Shahnaz Armin, Fatemeh Fallah, Abdollah Karimi, Marjan Rashidan, Mehdi Shirdust, Leila Azimi.Genotyping, antimicrobial resistance and virulence factor gene\_profiles of vancomycin resistance Enterococcus faecalis isolated from blood culture, Microbial Pathogenesis 109 (2017)

Hossein Goudarzi,<sup>1</sup> Arezou Taherpour,<sup>2</sup> Fatemeh Fallah,<sup>1</sup> Bita Pourkaveh,<sup>3</sup> Soroor Erfanianmanesh,<sup>4</sup> andAli Hashemi<sup>1,\*</sup>Laboratory Detection of Carbapenemases in Gram-Negative Bacteria Arch Clin Infect Dis. 2016 April; 11(2):e32816.

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J. Sharifi-Rad<sup>1</sup>, F. Fallah, W. N. Setzer, R. Entezari Heravi<sup>1</sup>, M. Sharifi-Rad\* *Tordylium persicum* Boiss. & Hausskn extract: A possible alternative for treatment of pediatric infectious diseases .Cell. Mol. Biol.2016, 62 (9): 20-26

Marjan Rashidan,<sup>1</sup> Zohreh Ghalavand, Gita Eslami, Latif Gachkar, Mohammad Rahbar, Ronak Khosravi, Ghazaleh Ghandchi, and Fatemeh Fallah,\*Molecular Detection of Antibiotic Resistance Genes Among *Enterococcus faecalis* Isolated From Fecal and Urine Samples of Patients With Community-Acquired Urinary Tract Infections Arch Pediatr Infect Dis. 2016 July; 4(3):e36262.

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Fatemeh Faraji, Mohammadreza Mahzounieh, Azizollah Ebrahimi, **Fatemeh Fallah**, Omid Teymournejad, Behnaz Lajevardi. Molecular detection of virulence genes in Pseudomonas aeruginosa isolated from children with Cystic Fibrosis and burn wounds in Iran. Microbial pathogenesis. Volume 99, October 2016, Pages 1-4

Yasaman Saei, Masoud Dadashi, Gita Eslami, Hossein Goudarzi, Soudabeh Taheri, **Fatemeh Fallah**. Evaluation of Antimicrobial Activity of Cuminum Cyminum Essential Oil and Extract against Bacterial Strains Isolated from Patients with Symptomatic Urinary Tract Infection. Novelty in Biomedicine. 2016, 4, 147-52.

Tahere Farajzadeh Alan, Hossein Goudarzi, **Fatemeh Fallah**, Ali Hashemi, Farahnoush Doustdar, Hojat Bostan. Detection of blaNDM, blaDIM, blaIMP, blaVIM and blaCTX-M-15 beta-lactamase Genes among Pseudomonas aeruginosa and Acinetobacter baumannii Strains Isolated from Two Hospitals of Tehran, Iran. Novelty in Biomedicine. 2016, 4, 153-8.

Aslan Bijari, Leila Azimi, **Fatemeh Fallah**, Abdollah Ardebili, Elnaz Rastegar Lari, Abdolaziz Rastegar Lari. Involvement of the Multidrug Efflux Pumps in Betalactams Resistant Pseudomonas aerugionsa Clinical Isolates Collected from Burn Patients in Iran. Infectious Disorders-Drug Targets. Volume 16, Number 3, October 2016, pp. 172-177(6)

Mohammad Mohammadzadeh, Hossein Goudarzi, Hossein Dabiri, **Fatemeh Fallah**. Frequency of Enteropathogenic Escherichia coli isolates among patients with diarrhea referred to Tehran hospitals. Research in Medicine. Vol.40; No.2; 2016.

J Sharifi-Rad, **F Fallah**, WN Setzer, Heravi R Entezari, M Sharifi-Rad. Tordylium persicum Boiss. & Hausskn extract: A possible alternative for treatment of pediatric infectious diseases. Cellular and molecular biology. 29 Aug 2016, 62(9):20-26].

Mohammad Rahbar, Sahar Vossoughian, Shadi Alimehr, Hamideh Shekari Ebrahim Abad, Mona Mohammadzadeh, **Fatemeh Fallah**, Sedigheh Rafiei Tabatabaei, Ehsan Khodadadi, Mahnaz Saremi. Prevalence of Candida Infection at the Intensive Care Unit with Nested Polymerase Chain Reaction (PCR) Using Primer Mixes Specific to Candida DNA Topoisomerase II Genes. Archives of Clinical Infectious Diseases. Vol 11, 4. 2016.

Leila Azimi, Abdolaziz Rastegae Lari, Parvis Owlia, Mohammad-r Pourshafie, **Fatemeh Fallah**. Phenotypic Methods Detection Of Carbapenemases In Gram-negative Bacteria. Clinical Chemistry and Laboratory Medicine. 54(7):eA52, JUL 2016

**F Fallah**, A Mohammadzadeh, A Karimi, SM Zahraei, H Goudarzi, M Fallah, H Abdolghafoorian. Molecular analysis of the bacille Calmette-Guerin vaccine strain currently being used in Iran. INT UNION AGAINST TUBERCULOSIS LUNG DISEASE (vol 20, pg 247, 2016).

Fatemeh Fallah, Hossein Godarzi, Fariba Lahoorpour, Mojgan Bandehpour, Saeed Soleiman-Jahi, Latif Gachkar. Molecular and Phenotypic Characteristics of *Salmonella enterica* Serovar Typhi Isolated from Asymptomatic Carrier. Infection, Epidemiology and Medicine. 2016 Summer; Volume 2, Issue 3: 1-4

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Mina Owrang, Fatemeh Fallah, Shiva Irani, Mohammad Rahbar, Gita Eslami. Distribution of ISAbal and ISAbal among OXA-type carbapenemase-producing clinical isolates of *Acinetobacter baumannii* from Hospitals in Tehran, Iran. Journal of Pure and Applied Microbiology. vol. 10, no. 2, 2016, p. 959

J Sharifi-Rad, F Fallah. Trachoma prevalence in rural areas of eastern Iran. New microbes and new infections. Volume 11, May 2016, Pages 82-83.

M Sharifi-Rad, GS Tayeboon, A Miri, WN Setzer, F Fallah, K Kuhestani, N Tahanzadeh, J Sharifi-Rad. Mutagenic, antimutagenic, antioxidant, anti-lipoxygenase and antimicrobial activities of *Scandix pecten-veneris* L. Cellular and molecular biology. 2016, 62(6):8-16

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**Fatemeh Fallah**, Masoud Reza Shishehbore, Ali Sheibani. Quantification of Diclofenac at Trace Levels in Pharmaceutical and Urine Samples Using Kinetic Spectrophotometric Method. Oriental Journal of Chemistry. 2016, Vol. 32, No. (1): Pg. 727-733

**F Fallah**, A Karimi, H Abdolghafoorian, A Mohammadzadeh, SM Zahraei, H Goudarzi, M Fallah. Molecular analysis of the bacille Calmette-Guérin vaccine strain currently being used in Iran. The International Journal of Tuberculosis and Lung Disease. Volume 20, Number 2, 1 February 2016, pp. 223-227(5)

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Najmeh Karami, **Fatemeh Fallah**, Hassan Re-zadoost, Atusa Aliahmadi, Abdollah Karimi, Fatemeh Mirzajani, Alireza Ghassemppour. production of unique volatile compound by bacteria. iranian journal of public health . 2016.

Nasim Afshari, Bita Bakhshi, **Fatemeh Fallah**, Mohammad Rahbar, Sedigheh Rafiei Tabatabaei. Investigation of prevalence of Shigella sonnei in children with diarrhea admitted to two hospital Emam Khomeini and Milad in Tehran in 1391 with Antimicrobial susceptibility of isolates. Iranian Journal of Medical Microbiology. 2016 Volume 10, Number 2.

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Mostafa Sharifian, Mohammad Reza Shiva, Mohsen Akhavan Sepahi, Shirin Shohadaee, Nasrin Esfandiar, **Fatemeh Fallah**. Urinary Ghrelin Concentration in Children With Urinary Tract Infections Before and After Treatment. Archives of Pediatric Infectious Diseases. Vol 4, issue 2, 2016

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