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## Academic Qualification

Certificate / Qualification obtained)	Name of School / Institution	Year obtained	Area of Specialization
Ph.D	Tehran University of Medical Sciences	2019	Medical Bacteriology
MSc	Tehran University of Medical Sciences	2012	Medical Microbiology
BSc	Islamic Azad University of Sanandaj	2010	Microbiology

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**Member of editorial board of Infectious Disorders - Drug Targets journal**

### Research Experiences:

Bacteriological experiences including: culture, biochemical, serological and Molecular tests

Animal: Mice-Rat

Molecular: DNA&RNA extraction,PCR, RT-PCR, Real Time-PCR, DNA-DNA hybridization

### Selected Papers Presented In International Congress:

1. **Hossein Kazemian**, Reza Mohebi, Sobhan Ghafourian, Aref Shavalipour, Kardan J, Vahid Amini et al. Evaluation of H. pylori infection's effect on the prevalence of Giardiasis in children. 14th International Congress of Microbiology, Tehran, Iran, August 2013
2. Aref Shavalipour, Vali Moridi, Reza Mohebi, **Hossein Kazemian**, Vahid Amini, Parisa Asadolahi, Hamid Hori. Prevalence of parasitic agents causing diarrhea in children under ten years of Clinical laboratories isolated city of Ilam. 14th International Congress of Microbiology, Tehran, Iran, August 2013

3. Reza Mohebi, Sobhan Ghafurian, **Hossein Kazemian**, Aref Shavalipour, Evaluation of microbial flora in normal conditions and dusty air in Ilam city, 6th International Iranian Congress Laboratory & Clinic, Jul 2013
4. Gita Eslami, Hamidreza Hour, **Hossein Kazemian**, Aref Shavalipour, Pouya Amiri. Antibacterial effect of methanolic extracts of *Thymus vulgaris* against *Klebsiella pneumonia* isolated from patients with atypical pneumonia, 6th International Iranian Congress Laboratory & Clinic, Jul 2013
5. **Hossein Kazemian**, Sobhan Ghafurian, Reza Mohebi, Aref Shavalipour, Hamid Heidari, Pouya Amiri. Antibacterial effect of chamomile on MRSA , ESBL producing *Pseudomonas aeruginosa* and ESBL producing *Escherichia coli*, 6th International Iranian Congress Laboratory & Clinic, Jul 2013
6. **Hossein Kazemian**, Jalil Kardan, Hamidreza Hour, Hadis Shirkhani, Nabi Karimikhah, Shahab Mansori, Aref Shavalipour. Prevalence and pattern of antimicrobial resistance of agents causing sepsis and bacteremia in patients admitted to Imam Khomeini Hospital in Ilam city (2012-2013). 6th International Iranian Congress Laboratory & Clinic, Jul 2013
7. **Hossein Kazemian**, Sobhan Ghafurian, Reza Mohebi, Ali Mohamad Jafarian, Ahmad Farajollahi, Amin Akbarian. Aref Shavalipour Prevalence and patterns of antibiotic resistance in bacteria isolated from wound infections in patients admitted to Imam Khomeini Hospital in Ilam city (2012-2013), 6th International Iranian Congress Laboratory & Clinic, Jul 2013
8. Reza Mohebi , Sobhan Ghafurian, Pouya Amiri, Fataneh Sabzali, Aref
9. Shavalipour, **Hossein Kazemian**. Gastroenteritis Prevalence in Less Than Ten Years Old Children Referred to Clinical Laboratories in Ilam City. 6th International Iranian Congress Laboratory & Clinic, Jul 2013

### **International Journals**

1. Sadeghifard N, Mohebi R, Sekawi Z, Ghafourian S, **Kazemian H**, Rezaee M. PReVALeNCe OF HePATITIs B VIRUs IN CHRONIC HePATITIs B PATIeNTs. ROMANIAN ARCHIVES. 2012 Jan:53.
2. Shiva Hosseini, Abbas Maleki, Sobhan Ghafourian, Mohammad Reza Fadavi, Hasan Valadbeigi, Parasto Shahmir, **Hossein Kazemian**, Rashid Ramazanzadeh, Sara Soheili, Iraj Pakzad, Nourkhoda Sadeghifard, Molecular Characterization of AmpC-Lactamases among *Klebsiella pneumoniae*

Isolated from Ilam and Tehran Hospitals, from Iran, *JOURNAL OF PURE AND APPLIED MICROBIOLOGY.*, 2013

3. Kardan Yamchi, Jalil, **Hossein Kazemian**, and Mohammad Mehdi Feizabadi. "Surveying the new species of non-tuberculosis mycobacteria in the last 10 years (2003-2013) and reviewing their clinical significance." *Arak Medical University Journal* 17.2 (2014): 50-63.
4. Sobhan Ghafourian, Reza Mohebi, Mitra Rezaei, Mohammad Raftari, Zamberi Sekawi, **Hosein Kazemian**, Aghdas Mohseni, Sajedeh Karimi, Nourkhoda Sadeghifard, Comparative analysis of biofilm development among MRSA and MSSA strains, *Roum Arch Microbiol Immunol*. Volume 71 Issue 4 Pages 175-82
5. **Kazemian, H.**, Shavalipour, A., Mohebi, R., Ghafurian, S., Aslani, S., Maleki, A., ... & Sadeghifard, N. (2014). Estimation of the Parasitic Infection Prevalence in Children With Helicobacter pylori Infection in Ilam City (2012-2013). *Archives of Pediatric Infectious Diseases*, 2(3).
6. Sadeghifard, N., **Kazemian, H.**, Mohebi, R., Sekawi, Z., Khosravi, A., Valizadeh, N., & Ghafourian, S. (2015). Epidemiological alteration in pathogens found in ground meat in Iran: unexpected predominance of vancomycin-resistant Enterococcus faecalis. *GMS hygiene and infection control*, 10.
7. **Kazemian, Hossein**, Mehri Haeili, Yamchi J. Kardan, Faranak Rezaei, Feyisa S. Gizaw, Fatemeh Zahednamazi, Parviz Mohajeri et al. "Antimycobacterial activity of linezolid against multidrug-resistant and extensively drug-resistant strains of Mycobacterium tuberculosis in Iran." *International journal of antimicrobial agents* 45, no. 6 (2015): 668.
8. **Kazemian, Hossein**, Sobhan Ghafourian, Hamid Heidari, Pouya Amiri, Jalil Kardan Yamchi, Aref Shavalipour, Hamidreza Hourri, Abbas Maleki, and Nourkhoda Sadeghifard. "Antibacterial, anti-swarming and anti-biofilm formation activities of Chamaemelum nobile against Pseudomonas aeruginosa." *Revista da Sociedade Brasileira de Medicina Tropical* 48, no. 4 (2015): 432-436.
9. Yamchi, Jalil Kardan, Mehri Haeili, Seifu Gizaw Feyisa, **Hossein Kazemian**, Abdolrazagh Hashemi Shahraki, Fatemeh Zahednamazi, Abbas Ali Imani Fooladi, and Mohammad Mehdi Feizabadi. "Evaluation of efflux pump gene expression among drug susceptible and drug resistant strains of Mycobacterium tuberculosis from Iran." *Infection, Genetics and Evolution* 36 (2015): 23-26.

10. Zamani, S., M. J. Nasiri, M. Haeili, **H. Kazemian**, D. Darban-Sarokhalil, A. A. Fooladi, and M. M. Feizabadi. "Determination of circulating Mycobacterium tuberculosis strains and transmission patterns among TB patients in Iran, using 15 loci MIRU-VNTR." *International Journal of Mycobacteriology* 4 (2015): 119.
11. **Kazemian, Hossein**, Aref Shavalipour, Hamid Heidari, Ali Saeedi, Sobhan Ghafourian, Reza Mohebi, Hamidreza Hour, Mansour Sedighi, and Abazar Pournajaf. "The Most Common Microbial Causes of Gastroenteritis in Patients With Clinical Manifestations." *Avicenna Journal of Clinical Microbiology and Infection* 2, no. 3 (2015).
12. Seifi, Kimia, **Hossein Kazemian**, Hamid Heidari, Fereshteh Rezagholizadeh, Yasaman Saeed, Fariba Shirvani, and Hamidreza Hour. "Evaluation of Biofilm Formation Among Klebsiella pneumoniae Isolates and Molecular Characterization by ERIC-PCR." *Jundishapur Journal of Microbiology* 9, no. 1 (2016).
13. **Kazemian, Hossein**, Hamid Heidari, Jalil Kardan Yamchi, Aref Shavalipour, Sobhan Ghafourian, Reza Mohebi, Hamidreza Hour, and Nourkhoda Sadeghifard. "Relationship between Helicobacter pylori Infection and Parasitic Infection in Patients in Ilam." *Infection, Epidemiology and Medicine* 2, no. 2 (2016): 15-17.
14. Amini, Vahid, **Hossein Kazemian**, Jalil Kardan Yamchi, Seifu Gizaw Feeyisa, Saeed Aslani, Aref Shavalipour, Hamidreza Hour, Mohammadneshvan Hoorijani, Mehrdad Halaji, and Hamid Heidari. "Evaluation of the Immunogenicity of Diphtheria Toxoid Conjugated to Salmonella Typhimurium-Derived OPS in a Mouse Model: A Potential Vaccine Candidate Against Salmonellosis." *Iranian Red Crescent Medical Journal* Inpress (2016).
15. Shafaati M, Boroumand M, Nowroozi J, Amiri P, **Kazemian H\***. Correlation Between qacE and qacEΔ1 Efflux Pump Genes, Antibiotic and Disinfectant Resistant Among Clinical Isolates of E. coli. *Recent Patents on Anti-Infective Drug Discovery*. 2016 Aug 1;11(2):189-95.
16. Mahdiyoun SM, **Kazemian H**, Ahanjan M, Hour H, Goudarzi M. Frequency of Aminoglycoside-Resistance Genes in Methicillin-Resistant Staphylococcus aureus (MRSA) Isolates from Hospitalized Patients. *Jundishapur Journal of Microbiology*. 2016 Aug;9(8).

17. Saidi M, Sadeghifard N, **Kazemian H**, Sekawi Z, Badakhsh B, Friadian S, Ghafourian S. Ex Vivo Evaluation of *Thymus daenensis* as an Antioxidant and Antibacterial Medicinal Herb. *Drug Research*. 2016 Dec;66(12):657-9.
18. Tayebi Z, Heidari H, **Kazemian H**, Ghafoori SM, Boroumandi S, Houri H. Comparison of quinolone and beta-lactam resistance among *Escherichia coli* strains isolated from urinary tract infections. *Le infezioni in medicina: rivista periodica di eziologia, epidemiologia, diagnostica, clinica e terapia delle patologie infettive*. 2016 Dec 1;4(24):326.
19. **Kazemian H**, Heidari H, Ghanavati R, Mohebi R, Ghafourian S, Shavalipour A, Taji A, Houri H. Characterization of Antimicrobial Resistance Pattern and Molecular Analysis among Extended Spectrum  $\beta$ -Lactamase-Producing *Escherichia coli*: Characterization of antimicrobial resistance pattern among ESBL-producing-*Escherichia coli*. *PHARM*. 2016 Dec 30;22(4).
20. **Kazemian H**, Ghafourian S, Sadeghifard N, Badakhsh B, Heidari H, Taji A, Shavalipour A, Mohebi R, Ebrahim-Saraie HS, Houri H, Houshmandfar R. In vivo antibacterial and wound healing activities of Roman chamomile (*Chamaemelum nobile*). *Infectious disorders drug targets*. 2016 Dec 30.
21. Boluki E, **Kazemian H**, Peeridogaheh H, Alikhani MY, Shahabi S, Beytollahi L, Ghorbanzadeh R. Antimicrobial activity of photodynamic therapy in combination with colistin against a pan-drug resistant *Acinetobacter baumannii* isolated from burn patient. *Photodiagnosis and Photodynamic Therapy*. 2017 Jan 12.
22. **Kazemian H**, Bourbour S, Beheshti M, Bahador A. Oral colonization by nosocomial pathogens during hospitalization in intensive care unit and prevention strategies. *Recent patents on anti-infective drug discovery*. 2017 Feb 15. PubMed PMID: 28215171. Epub 2017/02/22. eng.
23. Valizadeh N, Valian F, Sadeghifard N, Karami S, Pakzad I, **Kazemian H**, Ghafourian S. The Role of *Peganum harmala* Ethanolic Extract and Type II Toxin Antitoxin System in Biofilm Formation. *Drug Research*. 2017 Mar 20.
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25. S Zafarane, H Houri, **H Kazemian**, H Heidari, P Amiri, B Tabarraei. Characterization of virulence genes, serogroups and antimicrobial

- susceptibility of Shiga toxin producing *Escherichia coli* isolated from bovine mastitic milk in Tehran, Iran. *Tropical Biomedicine* 34 (2), 295-304
26. A Shavalipour, H Malekpour, H Dabiri, **H Kazemian**, H Zojaji, M Bahroudi. Prevalence of Cytotoxin-associated genes of *Helicobacter pylori* among Iranian GERD patients. *Gastroenterology and Hepatology from bench to bench*, 178-183.
27. R Ghanavati, D Darban-Sarokhalil, F Navab-Moghadam, **H Kazemian**. First report of coexistence of AmpC beta-lactamase genes in *Klebsiella pneumoniae* strains isolated from burn patients. *Acta Microbiologica et Immunologica Hungarica*, 1-8
28. Mohammad Neshvan Hoorijani, Hosein Rostami, Maryam Pourhajibagher, Nasim Chiniforush, Mansour Heidari, Babak Pourakbari, **Hossein Kazemian**, Kambiz Davari, Vahid Amini, Reza Raoofian, Abbas Bahador. The effect of antimicrobial photodynamic therapy on the expression of novel methicillin resistance markers determined using cDNA-AFLP approach in *Staphylococcus aureus*. *Photodiagnosis and Photodynamic Therapy*. 2017, 19, 249-255
29. H Hourri, **H Kazemian**, HS Ebrahim-Saraie, A Taji, Z Tayebi, H Heidari. Linezolid activity against clinical Gram-positive cocci with advanced antimicrobial drug resistance in Iran. *Journal of Global Antimicrobial Resistance* 10, 200-203
30. Heidari H, Halaji M, Taji A, Kazemian H, Shamsabadi MS, Sisakht MT, Ebrahim-Saraie HS. Molecular analysis of drug-resistant *Acinetobacter baumannii* isolates by ERIC-PCR. *Meta Gene*. 2018 Jun 4.
31. Kazemian H, Heidari H, Yamchi JK, Zandi H, Taji A, Yazdani F, Ghanavati R, Rahdar HA, Feizabadi MM. In vitro anti-mycobacterial activity of three medicinal plants of Lamiaceae family. *Recent patents on anti-infective drug discovery*. 2018 Jun.
32. Kazemian H. Evaluation of fosfomicin activity against ESBL producing Enterobacteriaceae isolated from Iran. *Recent patents on anti-infective drug discovery*. 2018 May.
33. Rahdar HA, Kazemian H, Bimanand L, Zahedani SS, Feyisa SG, Taki E, Havaei SA, Karami-Zarandi M. Community acquired *Pseudomonas aeruginosa* pneumonia in a young athlete man: a case report and literature review. *Infectious disorders drug targets*. 2018 Apr.

34. Bourbour S, Beheshti M, Kazemian H, Bahador A. Effects of Micro RNAs and their targets in periodontal diseases. *Infectious disorders drug targets*. 2018 Apr.
35. Pourhajibagher M, Kazemian H, Chiniforush N, Hosseini N, Pourakbari B, Azizollahi A, Rezaei F, Bahador A. Exploring different photosensitizers to optimize elimination of planktonic and biofilm forms of *Enterococcus faecalis* from infected root canal during antimicrobial photodynamic therapy. *Photodiagnosis and photodynamic therapy*. 2018 Sep 29.
36. Rad MR, Kazemian H, Yazdani F, Monfared MR, Rahdar H, Javadi A, Kodori M. Antibacterial activity of gold nanoparticles conjugated by aminoglycosides against *A. baumannii* isolates from burn patients. *Recent patents on anti-infective drug discovery*. 2018 Aug.
37. Feizabadi N, Sarrafzadeh J, Fathali M, Vasaghi-Gharamaleki B, Dadgoo M, Kazemian H, Kardan-Yamchi J, Shariati SH. Quantitative analysis of *Staphylococcus aureus* in patients with chronic rhinosinusitis under continuous ultrasound treatment. *Iranian journal of microbiology*. 2018 Dec;10(6):354.
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39. Feizabadi N, Sarrafzadeh J, Fathali M, Vasaghi-Gharamaleki B, Dadgoo M, Kardan-Yamchi J, Kazemian H, Hesam-Shariati S, Feizabadi MM. The pulsed ultrasound strategy effectively decreases the *S. aureus* population of chronic rhinosinusitis patients. *BMC research notes*. 2019 Dec 1;12(1):576.
40. Feyisa SG, Abdurahman AA, Jimma W, Chaka EE, Kardan-Yamchi J, Kazemian H. Resistance of *Mycobacterium tuberculosis* strains to Rifampicin: A systematic review and meta-analysis. *Heliyon*. 2019 Jan 1;5(1):e01081.
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42. Kardan-Yamchi J, Kazemian H, Haeili M, Harati AA, Amini S, Feizabadi MM. Expression analysis of 10 efflux pump genes in multidrug-resistant and



- extensively drug-resistant *Mycobacterium tuberculosis* clinical isolates. *Journal of global antimicrobial resistance*. 2019 Jun 1;17:201-8.
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  44. Kardan-Yamchi J, Mahboubi M, Kazemian H, Hamzelou G, Feizabadi MM. The Chemical composition and anti-mycobacterial activities of *Trachyspermum copticum* and *Pelargonium graveolens* essential oils. *Recent patents on anti-infective drug discovery*. 2019 Oct 28.
  45. Rahdar HA, Malekabad ES, Dadashi AR, Keikha M, Kazemian H, Karami-zarandi M. Correlation between biofilm formation and carbapenem resistance among clinical isolates of *Klebsiella pneumoniae*. *Ethiopian journal of health sciences*. 2019;29(6).
  46. Kazemian H, Kardan-Yamchi J, Bahador A, Khonsari S, Nasehi M, Hamzehloo G, Vaziri F, Salehi MR, Feizabadi MM. Efficacy Of Line Probe Assay In Detection Of Drug-Resistant Pulmonary Tuberculosis In Comparison With GeneXpert And Phenotypic Methods In Iran And Genetic Analysis Of Isolates By MIRU-VNTR. *Infection and Drug Resistance*. 2019;12:3585.
  47. Ghanavati R, Kazemian H, Asadollahi P, Heidari H, Irajian G, Navab-Moghadam F, Razavi S. Characterization of antimicrobial resistance patterns of *Klebsiella pneumoniae* isolates obtained from wound infections. *Infectious disorders drug targets*. 2020 Jan 29.
  48. Kardan-Yamchi J, Kazemian H, Battaglia S, Abtahi H, Foroushani AR, Hamzelou G, Cirillo DM, Ghodousi A, Feizabadi MM. Whole Genome Sequencing Results Associated with Minimum Inhibitory Concentrations of 14 Anti-Tuberculosis Drugs among Rifampicin-Resistant Isolates of *Mycobacterium Tuberculosis* from Iran. *Journal of Clinical Medicine*. 2020 Feb;9(2):465.
  49. Feysia SG, Hasan-nejad M, Amini S, Hamzelou G, Kazemian H, Kardan-Yamchi J, Karami-Zarandi M, Feizabadi MM. Incidence, Clinical Manifestation, Treatment Outcome, and Drug Susceptibility Pattern of Nontuberculous *Mycobacteria* in HIV Patients in Tehran, Iran. *Ethiopian Journal of Health Sciences*. 2020 Jan;30(1):75.