



## **Hossein Khodadadi**

[h\\_khodadadi@sums.ac.ir](mailto:h_khodadadi@sums.ac.ir)

Department of Medical Mycology &  
Parasitology, School of Medicine,  
Shiraz University of Medical Sciences  
shiraz, Iran  
Phone: +98 913 3253591  
+98 713 2304982

No.42 Golbarg - 28<sup>th</sup> alley- Northern Motahari  
Street, Shiraz, Iran  
Postal code: 7186754768  
Phone: +98 913 3253591  
+98 713 6493610

### **PERSONAL DETAILS:**

**Nationality:** Iranian

**Date of birth:** 16/03/1971

**Place of birth:** Esfahan, Iran

**Marital status:** Married

### **EMPLOYMENT:**

**2013- now:** Associate Professor of medical mycology, School of Medicine, Shiraz University of Medical Sciences

**2001-2013:** Medical laboratory scientist, Shariati hospital, Social security organization, Esfahan, Iran

### **EDUCATION:**

2009- 2013: **Doctor of Philosophy in Medical Mycology**

School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

2003-2005: **Master of Science in Medical Mycology**

School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

1997-1999: **Bachelor of Science in Medical Laboratory Sciences**

School of Medicine, Tehran University of Medical Sciences, Tehran, Iran

1993-1996: **Higher Diploma in Medical Laboratory Technology**

School of Medicine, Esfahan University of Medical Sciences, Esfahan, Iran

### **THESIS:**

**Ph.D:** Evaluation of Loop mediated Isothermal Amplification and real-time PCR for detection of *Pneumocystis jirovecii* in respiratory samples in comparison to conventional methods

**MSc:** Molecular Characterization of Vacuolar-ATPase Gene in pathogen dermatophyte *Trichophyton rubrum*

### **EDUCATIONAL ENRICHMENTS:**

- 2009            Second place in Ph.D entrance exam (medical mycology)  
2003            First place in Master of Science entrance exam (medical mycology)

### **SPECIALIZATIONS:**

**Main field:** Medical Mycology

**Other fields:** Molecular Biology, Medical Laboratory Sciences, Medical Microbiology

### **MEMBERSHIPS:**

- International society for human and animal mycology (ISHAM)
- American Society for Microbiology (ASM)
- Iranian society of medical mycology (ISMM)
- Iranian society of medical laboratory technology

### **RESEARCH EXPERIENCE:**

Loop mediated isothermal amplification, Real-time (quantitative) PCR, Immunofluorescent and light microscopy, Nested-PCR, Cloning, DNA and RNA isolation, SDS-PAGE and other electrophoresis techniques, PCR and RT-PCR, Different DNA and RNA extraction techniques, Sequencing, Data base search and analysis

### **Publications:**

1. Zomorodian K, Naderibeni M, Mirhendi H, Razavi Nejad M, Saneian SM, Mahmoodi M, **Khodadadi H**, et al. Molecular Identification of Malassezia Species Isolated from Neonates Hospitalized in Neonatal Intensive Care Units and Their Mothers. *Current Medical Mycology*. 2021.
2. **Khodadadi H**, Zomorodian K, Nouraei H, Zareshahrabadi Z, Barzegar S, Zare MR, et al. Prevalence of superficial-cutaneous fungal infections in Shiraz, Iran: A five-year retrospective study (2015–2019). *Journal of clinical laboratory analysis*. 2021:e238.
3. Zareshahrabadi Z, Bahmyari R, Nouraei H, **Khodadadi H**, Mehryar P, Asadian F, et al. Detection of aflatoxin and ochratoxin A in spices by high-performance liquid chromatography. *Journal of Food Quality*. 2020;2020.
4. Pakshir K, Mirshekari Z, Nouraei H, Zareshahrabadi Z, Zomorodian K, **Khodadadi H**, et al. Mycotoxins detection and fungal contamination in black and green tea by HPLC-based method. *Journal of Toxicology*. 2020;2020.
5. Nouraei H, Sheykhi S, ZareShahrabadi Z, **Khodadadi H**, Zomorodian K, Pakshir K. Comparative analysis of virulence factors of homozygous and heterozygous strains of *Candida albicans* vaginal isolates. *International Journal of Microbiology*. 2020;2020.
6. **Khodadadi H**, Taghizadeh M, Shabankareh F, Pakshir K. Climate changes and emerging fungal infections. *Tehran University Medical Journal TUMS Publications*. 2020;78(10):684-93.
7. Jafarian H, **Khodadadi H**, Badiiee P. Development a hydrolysis probe-based quantitative PCR assay for the specific detection and quantification of *Candida auris*. *Current Medical Mycology*. 2020;6(3):50.
8. Pakshir K, Ravandeh M, **Khodadadi H**, Motamedifar M, Zomorodian K, Alipour S. Evaluation of exoenzyme activities, biofilm formation, and co-hemolytic effect in clinical isolates of *Candida parapsilosis* species complex. *Journal of global infectious diseases*. 2018;10(3):163.
9. Hashemi H, Abbasi F, Samaei MR, **Khodadadi H**. Determination of fungi species variety in thermal phases of compost production and related operational parameters. *Journal of Environmental Engineering*. 2018;144(8):04018065.

10. Pakshir K, Bordbar M, Zomorodian K, Nouraei H, Khodadadi H. Evaluation of CAMP-like effect, biofilm formation, and discrimination of *Candida africana* from vaginal *Candida albicans* species. *Journal of pathogens*. 2017;201.
11. Motamedi M, Mirhendi H, Zomorodian K, Khodadadi H, Kharazi M, Ghasemi Z, et al. Clinical evaluation of  $\beta$ -tubulin real-time PCR for rapid diagnosis of dermatophytosis, a comparison with mycological methods. *Mycoses*. 2017;60(10):692-6.
12. Khodadadi H, Karimi L, Jalalizand N, Adin H, Mirhendi H. Utilization of size polymorphism in ITS1 and ITS2 regions for identification of pathogenic yeast species. *Journal of medical microbiology*. 2017;66(2):126-33.
13. Khodadadi H. Monitoring of Invasive Aspergillosis Antifungal Therapy by Quantitative Reverse Transcriptase Real-time Polymerase Chain Reaction (qRT-PCR). *Morressier*; 2017.
14. Abbasi F, Samaei MR, Khodadadi H, Karimi A, Maleknia H. Effects of materials recovery facility construction on the release of fungal bioaerosols: A case study in southern of Iran. *Fresenius Environ Bull*. 2016;5:1512-8.
15. Pakshir K, Mohamadi T, Khodadadi H, Motamedifar M, Zomorodian K, Alipour S, et al. Proteolytic activity and cooperative hemolytic effect of dermatophytes with different species of bacteria. *Current medical mycology*. 2016;2(4):9.
16. Motamedi M, Ghasemi Z, Shidfar MR, Hosseinpour L, Khodadadi H, Zomorodian K, et al. Growing incidence of non-dermatophyte onychomycosis in Tehran, Iran. *Jundishapur journal of microbiology*. 2016;9(8).
17. Izadi S, Mirhendi H, Jalalizand N, Khodadadi H, Mohebal M, Nekoeian S, et al. Molecular epidemiological survey of cutaneous leishmaniasis in two highly endemic metropolises of Iran, application of FTA cards for DNA extraction from Giemsa-stained slides. *Jundishapur journal of microbiology*. 2016;9(2.)
18. Zarrinfar H, Mirhendi H, Fata A, Khodadadi H, Kordbacheh P. Detection of *Aspergillus flavus* and *A. fumigatus* in bronchoalveolar lavage specimens of hematopoietic stem cell transplants and hematological malignancies patients by real-time polymerase chain reaction, nested PCR and mycological assays. *Jundishapur journal of microbiology*. 2015;8(1.(
19. Sharifdini M, Mirhendi H, Ashrafi K, Hosseini M, Mohebal M, Khodadadi H, et al. Comparison of nested polymerase chain reaction and real-time polymerase chain reaction with parasitological methods for detection of *Strongyloides stercoralis* in human fecal samples. *The American journal of tropical medicine and hygiene*. 2015;93(6):1285.
20. Karimi L, Mirhendi H, Khodadadi H, Mohammadi R. Molecular identification of uncommon clinical yeast species in Iran. *Current medical mycology*. 2015;1(2):1.
21. Khodadadi H, Mirhendi H, Makimura K, Satoh K, Karimi L, Izadi S.  $\beta$ -d-Glucan assay in diagnosis and monitoring the systemic candidiasis in a rat model. *Jundishapur journal of microbiology*. 2014;7(6.(
22. Zarrinfar H, Mirhendi H, Makimura K, Satoh K, Khodadadi H, Paknejad O. Use of mycological, nested PCR, and real-time PCR methods on BAL fluids for detection of *Aspergillus fumigatus* and *A. flavus* in solid organ transplant recipients. *Mycopathologia*. 2013;176(5-6):377-85.
23. Zarrinfar H, Mirhendi H, Fata A, Makimura K, Paknejad O, Saber S, Khodadadi H et al. APPLICATION OF REAL-TIME PCR, NESTED-PCR AND MYCOLOGY ASSAY USING BAL SAMPLES FOR DETECTION OF ASPERGILLUS FLAVUS AND A. FUMIGATUS IN HEMATOLOGICAL MALIGNANCIES. *Jundishapur journal of microbiology*. 2013.
24. Zarrinfar H, Makimura K, Satoh K, Khodadadi H, Mirhendi H. Incidence of Pulmonary Aspergillosis and Correlation of Conventional Diagnostic Methods with Nested PCR and Real-Time PCR Assay Using BAL Fluid in Intensive Care Unit Patients. *Journal of clinical laboratory analysis*. 2013;27(3):181-5.
25. Khodadadi H, Mirhendi H, Mohebal M, Makimura K, Zarrinfar H. DEVELOPMENT OF A QUANTITATIVE TAQMAN REAL-TIME POLYMERASE CHAIN REACTION FOR DETECTION OF PNEUMOCYSTIS JIROVECI FROM BRONCHOALVEOLAR LAVAGE FLUIDS. *Jundishapur journal of microbiology*. 2013.

26. **Khodadadi** H, Mirhendi H, Mohebbali M, Kordbacheh P, Zarrinfar H, Makimura K. Pneumocystis jirovecii colonization in non-HIV-infected patients based on nested-PCR detection in bronchoalveolar lavage samples. Iranian journal of public health. 2013;42(3):298.
27. **Khodadadi** H, Mirhendi H, Mohebbali M, Far H, Karimi L. A molecular epidemiological study of Pneumocystis carriage in Iranian population: P504. Mycoses. 2012;55.
28. Zomorodian K, TARAOU EI B, Saadat F, **Khodadadi** H. The Effects of Antifungal Azoles on Inflammatory Cytokine Production in Human Keratinocytes. 2008.
29. Mirhendi H, Diba K, Rezaei A, Jalalizand N, Hosseinpour L, **Khodadadi** H. Colony PCR is a rapid and sensitive method for DNA amplification in yeasts. Iranian journal of public health. 2007;36(1):40-4.
30. REZAEI S, **Khodadadi** H, NOURBAKHSH F, Safari M. Molecular Characterization of Subunit G of the Vacuolar ATPase in Pathogen Dermatophyte Trichophyton rubrum. 2006.
31. Noorbakhsh F, **Khodadadi** H, Safari M, Rezaie S, Angelo M, Bilski B, et al. Molecular Characterization of Subunit G of the Vacuolar ATPase in Pathogen Dermatophyte Trichophyton rubrum. Iranian journal of public health. 2006;35:1-2.

### **References:**

1. **Hossein Mirhendi**, Ph.D, Professor. Department of Medical Parasitology & Mycology, School of Public Health, Tehran University of Medical Sciences, Tehran, IRAN.  
Tel: +98 21 88951583, Fax: +98 21 88951392, **E-mail:** [mirhendi@tums.ac.ir](mailto:mirhendi@tums.ac.ir)
2. **Keyvan Pakshir**, Ph.D, Department of Medical Mycology & Parasitology, School of Medicine, Shiraz University of Medical Sciences. Shiraz, Iran..  
Tel: +9173109861, Fax: +98 71 32304982, **E-mail:** [pakshirk@gmail.com](mailto:pakshirk@gmail.com)
3. **Kamiar Zomorodian**, Ph.D. Professor, Department of Medical Mycology & Parasitology, School of Medicine, Shiraz University of Medical Sciences. Shiraz, Iran.  
Tel: +98 917 7144094, **E-mail:** [zomorodian@sums.ac.ir](mailto:zomorodian@sums.ac.ir)