

Resume (CV)

Personal Information

First name: Hadis

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Educational records

2018-2022	Ph.D. in Medical Mycology , Department of Medical Mycology, School of Medicine, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran
2015-2018	Master of Science in Medical Mycology , Department of Medical Mycology & Parasitology School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran
2009-2011	Bachelor of Science in Medical Laboratory Sciences , Shiraz University of Medical Sciences, Shiraz, Iran
2005-2007	Associated degree of Medical Laboratory Technology , Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

Technical Proficiencies

- **Computer Skills:** Microsoft Office (Word, Excel, PowerPoint), Endnote, SPSS, GraphPad, Population, EDENetworks, Chromas, MEGA-X, GeneMarker
- **Lab skills:** Design, conduct and interpret scientific research; Apply a scientific approach to problems; Perform standard PCR, Real-time PCR, Gel electrophoresis; DNA, RNA, or protein extraction from biological samples; Enzyme-linked immunosorbent assays (ELISA); Antifungal Susceptibility Testing, genotyping

Employment History

2007-2008, Hematology Lab., Namazi Hospital, Shiraz, Iran

2011- Present, Mycology Department, Prof. Alborzi Clinical Microbiology Research Center

Publications

1. Badiie P, Arastefar A, **Jafarian H**. Comparison of histopathological analysis, culture and polymerase chain reaction assays to detect mucormycosis in biopsy and blood specimens. Iranian journal of microbiology. 2013 Dec;5(4):406.

2. Haddadi P, Zareifar S, Badiie P, Alborzi A, Mokhtari M, Zomorodian K, Pakshir K, **Jafarian H**. Yeast colonization and drug susceptibility pattern in the pediatric patients with neutropenia. Jundishapur journal of microbiology. 2014 Sep;7(9).
3. Badiie P, Gandomi B, Sabz G, Khodami B, Choopanizadeh M, **Jafarian H**. Evaluation of nested PCR in diagnosis of fungal rhinosinusitis. Iranian journal of microbiology. 2015 Feb;7(1):62.
4. Badiie P, Gandomi B, Sabz G A, **Jafarian H**. A Study on the Frequency of Fungal Rhinosinusitis and to Determine the Sensitivity of the Isolates to Antifungal Drugs in Shiraz, Iran 2012-2013. AMUJ. 2015; 18 (3) :1-8.
5. Badiie P, Hadadi P, Zareifar S, **Jafarian H**. Prevalence of Fungal Infections in Children with Hematologic Disorders and Determination of Anti-Fungal Susceptibility in Isolated Species. Journal of Kerman University of Medical Sciences. 2015 Jul 1;22(4):410-23.
6. Nazhvani AD, Haddadi P, Badiie P, Malekhoseini SA, **Jafarian H**. Antifungal Effects of Common Mouthwashes on *Candida* Strains Colonized in the Oral Cavities of Liver Transplant Recipients in South Iran in 2014. Hepatitis Monthly. 2016 Jan;16(1).
7. Badiie P, Badali H, Diba K, Moghadam AG, Hosseininassab A, **Jafarian H**, Mohammadi R, Mirhendi H, Najafzadeh MJ, Shamsizadeh A, Soltani J. Susceptibility pattern of *Candida albicans* isolated from Iranian patients to antifungal agents. Current medical mycology. 2016 Mar;2(1):24.
8. Badiie P, Rezapour A, Abbasian A, Foroutan HR, **Jafarian H**. Prevalence of colonization and mitochondrial large subunit rRNA mutation of *Pneumocystis jirovecii* among Iranian children. Iranian journal of microbiology. 2016 Oct;8(5):326.
9. Badiie P, Zareifar S, Haddadi P, **Jafarian H**. Incidence of Fungal Infections in Pediatric Patients with Hematologic Neoplasms. Archives of Pediatric Infectious Diseases. 2017;5(3).
10. Badiie P, Badali H, Diba K, **Jafarian H**, Mohammadi R, Mirhendi H, Najafzadeh MJ. Multicenter Identification and Antifungal Susceptibility Patterns of *Candida* Species Isolated from Clinical Samples. Jundishapur Journal of Microbiology. 2017;10(12).
11. Badiie P, Badali H, Boekhout T, Diba K, Moghadam AG, Nasab AH, **Jafarian H**, Mohammadi R, Mirhendi H, Najafzadeh MJ, Shamsizadeh A. Antifungal susceptibility testing of *Candida* species isolated from the immunocompromised patients admitted to ten university hospitals in Iran: comparison of colonizing and infecting isolates. BMC infectious diseases. 2017 Dec;17(1):727.
12. Badiie P, Choopanizadeh M, Moghadam AG, Nasab AH, **Jafarian H**, Shamsizadeh A, Soltani J. Antifungal susceptibility patterns of colonized *Candida* species isolates from immunocompromised pediatric patients in five university hospitals. Iranian Journal of Microbiology. 2018 Jan 26;9(6):363-71.
13. Shamsizadeh A, Nikfar R, Mombini M, Keikhaei B, **Jafarian H**, Badiie P. The Relative Frequency and Susceptibility Patterns of *Candida* Species Isolated from Blood and Urine of Children with Malignancy. Archives of Pediatric Infectious Diseases. 2018 Apr;6(2).
14. Badiie P, Farhodi F, Ghayomi MA, **Jafarian H**. Fungi Identified in Patients with Recurrent Lung Disorders. Jundishapur Journal of Microbiology. 2018 Jul 1;11(7):1-6.
15. Mardani M, Badiie P, Gharibnavaz M, Jassebi A, **Jafarian H**, Ghassemi F. Comparison of anti-*Candida* activities of the ancient plants *Lawsonia inermis* and *Ziziphus spina christi* with antifungal drugs in *Candida* species isolated from oral cavity. Journal of conservative dentistry: JCD. 2018 Jul;21(4):359.

16. Lavaee F, Motaghi D, Jassbi AR, **Jafarian H**, Ghasemi F, Badiie P. Antifungal effect of the bark and root extracts of *Punica granatum* on oral *Candida* isolates. *Current medical mycology*. 2018 Dec;4(4):20.
17. Badiie P, **Jafarian H**, Malek-Hosseini SA, Ghasemmi F. Severe Cutaneous Candidiasis in a Liver Transplant Patient. *International journal of organ transplantation medicine*. 2019;10(1):46.
18. Hamzavi SS, Amanati A, Badiie P, Kadivar MR, **Jafarian H**, Ghasemi F, Haghpanah S, Dehghani M, Baghani AN. Changing face of *Candida* colonization pattern in pediatric patients with hematological malignancy during repeated hospitalizations, results of a prospective observational study (2016–2017) in shiraz, Iran. *BMC infectious diseases*. 2019 Dec;19(1):1-9.
19. Ghasemi F, Hatam GR, Zaravar F, Mardaneh J, **Jafarian H**, Abbasi P, Khorrami HR, Badiie P. Investigation of the Physical, Chemical Characteristics and Microbial Contamination of the Indoor Swimming Pools. *Türkiye Parazitolo Derg*. 2019;43(3):130-4. [In Press]
20. Lavaee F, Moshaverinia M, MalekHosseini SA, Jamshidzade A, Zarei M, **Jafarian H**, Haddadi P, Badiie P. Antifungal effect of sesame medicinal herb on *Candida* Species: original study and mini-review. *Brazilian Journal of Pharmaceutical Sciences*. 2019;55.
21. Amanati A, Lotfi M, Masoudi MS, **Jafarian H**, Ghasemi F, Bozorgi H, Badiie P. Cerebral and pulmonary aspergillosis, treatment and diagnostic challenges of mixed breakthrough invasive fungal infections: case report study. *BMC Infectious Diseases*. 2020 Dec;20(1):1-7.
22. **Jafarian H**, Khodadadi H, Badiie P. Development a hydrolysis probe-based quantitative PCR assay for the specific detection and quantification of *Candida auris*. *Current Medical Mycology*. 2020 Sep 1;6(3):50-6.
23. Badiie P, **Jafarian H**, Ghasemi F. Molecular epidemiology of zygomycosis and their related factors in tertiary referral centers in southern Iran. *The Journal of Infection in Developing Countries*. 2020 Dec 31;14(12):1424-30.
24. Amanati A, Badiie P, **Jafarian H**, Ghasemi F, Nematollahi S, Haghpanah S, Hamzavi SS. Impact of antifungal stewardship interventions on the susceptibility of colonized *Candida* species in pediatric patients with malignancy. *Scientific Reports*. 2021 Jul 8;11(1):1-2.
25. Gharaghani M, Shabanzadeh M, **Jafarian H**, Zarei Mahmoudabadi A. ABC typing and extracellular enzyme production of *Candida albicans* isolated from *Candida* vulvovaginitis. *Journal of Clinical Laboratory Analysis*. 2022 Jan:e24117.
26. Gharaghani M, **Jafarian H**, Hatami M, Shabanzadeh M, Mahmoudabadi AZ. Evaluation of catalase activity of clinical and environmental isolates of *Aspergillus* species. *Iranian Journal of Microbiology*. 2022 Feb 20;14(1):133-7.
27. **Jafarian H**, Amanati A, Badiie P. Antifungal activity of Taurolidine against Mucorales, an in-vitro study on clinical isolates. *Current Medical Mycology*. 2022 Apr 9.
28. Badiie P, Boekhout T, Zarei Mahmoudabadi A, Mohammadi R, Ayatollahi Mousavi SA, Najafzadeh MJ, Soltani J, Hashemi J, Diba K, Ghadimi-Moghadam A, Salimi-Khorashad AR, Shokohi T, Amin Shahidi M, Ghasemi F, **Jafarian H**. Multicenter Study of Susceptibility of *Aspergillus* Species Isolated from Iranian University Hospitals to Seven Antifungal Agents. *Microbiology Spectrum*. 2022 May 17:e02539-21.
29. Badiie P, Amanati A, Ghasemi F, **Jafarian H**. Significance of biomarkers in stewardship program in pediatric patients infected with *Aspergillus* species. *Italian Journal of Pediatrics*. 2022 Dec;48(1):1-7.

30. **Jafarian H**, Gharaghani M, Asnafi AA, Hardani AK, Zarei-Mahmoudabadi A. Phenotype, genotype, and mating type determination in oral *Candida albicans* isolates from pediatric patients with neutropenia. *Journal of Clinical Laboratory Analysis*. 2022 Sep;36(9):e24664.
31. **Jafarian H**, Gharaghani M, Seyedian SS, Mahmoudabadi AZ. Genotyping, antifungal susceptibility, enzymatic activity, and phenotypic variation in *Candida albicans* from esophageal candidiasis. *Journal of Clinical Laboratory Analysis*. 2021 Jul;35(7):e23826.
32. **Jafarian H**, Hardani AK, Asnafi AA, Mahmoudabadi AZ. Population structure, susceptibility profile, phenotypic and mating properties of *Candida tropicalis* isolated from pediatric patients. *Microbial Pathogenesis*. 2022 Sep 1;170:105690.
33. **Jafarian H**, Hardani AK, Asnafi AA, Mahmoudabadi AZ. Enzymatic and antifungal susceptibility profiles of *Candida glabrata* isolates from paediatric patients and their genetic diversity based on microsatellite length polymorphism. *Letters in Applied Microbiology*. 2022 Dec 1;75(6):1569-78.
34. Badiie P, Ghasemi F, **Jafarian H**. Role of biomarkers in the diagnosis of invasive aspergillosis in immunocompromised patients. *Annals of Clinical Microbiology and Antimicrobials*. 2022 Dec;21(1):1-8.
35. Badiie P, Boekhout T, Haddadi P, Mohammadi R, Ghadimi-Moghadam A, Soltani J, Zarei Mahmoudabadi A, Ayatollahi Mousavi SA, Najafzadeh MJ, Diba K, Salimi-Khorashad AR, Amin Shahidi M, Ghasemi F, **Jafarian H**. Epidemiology and Antifungal Susceptibility of *Candida* Species Isolated from 10 Tertiary Care Hospitals in Iran. *Microbiology spectrum*. 2022 Dec 21;10(6):e02453-22.
36. Badiie P, Shokohi T, Hashemi J, Mohammadi R, Najafzadeh MJ, Amin Shahidi M, Ghasemi F, **Jafarian H**. Comparison of in vitro activities of newer triazoles and classic antifungal agents against dermatophyte species isolated from Iranian University Hospitals: a multi-central study. *Annals of Clinical Microbiology and Antimicrobials*. 2023 Dec;22(1):1-0.
37. Badiie P, Ghadimi-Moghadam A, Bayatmanesh H, Soltani J, Salimi-Khorashad AR, Ghasemi F, Amin Shahidi M, **Jafarian H**. Environmental surveillance of fungi and susceptibility to antifungal agents in tertiary care hospitals. *Microbiology Spectrum*. 2024 Jan 11;12(1):e02270-23.
38. Amini S, Rezaei M, Pouladfar G, Ghasemi F, **Jafarian H**, Badiie P. Evaluation of the Fluconazole Prophylaxis against Fungal Colonization in the Preterm Neonates: A Double-blind Clinical Trial. *Iranian Journal of Neonatology*. 2024 Apr 1;15(2).
39. Barzegar S, Amanati A, Ghasemi F, **Jafarian H**, Badiie P. A Perspective Study on Therapeutic Drug Monitoring of Voriconazole in Pediatric Patients with Hematologic Disorders. *Jundishapur Journal of Microbiology*. 2024 May 1;17(5):1-9.
40. Amanati A, Jahromi MG, **Jafarian H**, Abdipour Mehrian SR, Sajedianfard S, Farokhmanesh S, Maddahi A, Safari F, Nabavizadeh SA, Alinazari MM. Aspergillus-related immune reconstitution inflammatory syndrome in pediatric cancer patients, clinical characteristics, imaging findings, and survival. *BMC Infectious Diseases*. 2024 Dec 18;24(1):1423.
41. Saeed A, **Jafarian H**, Amanati A. Effective management of pediatric septic shock: a case study utilizing continuous renal replacement therapy with cytosorb and citrate in a leukemic patient with hyper-interleukin (IL)-6-naemia and severe thrombocytopenia. *BMC Infectious Diseases*. 2025 Mar 26;25(1):410.
42. Badiie P, **Jafarian H**. The prevalence of pediatric nosocomial fungal infections. *Iranian Journal of Microbiology*. 2025 Aug;17(4):644.

43. Hamzehee S, Halvaeizadeh M, Gharaghani M, **Jafarian H**, Taghipour S, Seifi Z, Hivary S, Noripour-Sisakht S, Zarei-Mahmoudabadi A. Geographical distribution of *Cryptococcus neoformans* in Iran, pathogenic factors, and antifungal susceptibility profile. BMC microbiology. 2025 Aug 20;25(1):522.

Congress Presentations

- The Trend in *Candida albicans* Antifungal Susceptibility Patterns During 11 Years in Iran. 17th Professor Alborzi International Congress of Clinical Microbiology.
- Voriconazole Therapeutic Drug Monitoring in Pediatric Patients Hospitalized in Two Tertiary Care Centers in Shiraz, Iran. 16th Professor Alborzi International Congress of Clinical Microbiology.
- Species Distribution and Outcome of Patients with Candidemia Hospitalized in Namazi Hospital, Shiraz, Iran. 16th Professor Alborzi International Congress of Clinical Microbiology.
- Distribution and antifungal susceptibility pattern of *Candida* species causing candidemia in Namazi Hospital, Shiraz, Iran. 16th Professor Alborzi International Congress of Clinical Microbiology.
- Outbreak distributions and sensitivity pattern of *Aspergillus niger* complex to nine antifungal agents isolated from patients in 10 university centers in Iran according to CLSI M- 38A. 15th Professor Alborzi International Congress of Clinical Microbiology. **Oral presentation**
- Mucormycosis in Patients with Hematological Malignancies Based on a Polymerase Chain Reaction. 13th Professor Alborzi International Clinical Microbiology Congress. **Oral presentation**
- Development and evaluation of a TaqMan based qPCR assay for specific quantification of *Candida auris*. 20th Congress International Society for Human and Animal Mycology.
- Investigation of fungal infection in patients undergoing functional endoscopic sinus surgery, Shiraz, Iran. 7th international Iranian congress of clinical microbiology. **Oral presentation**
- Fungal rhinosinusitis in immunocompromised patients. 1st IFRC International Conference on Clinical Mycology: *Aspergillus* and Aspergillosis.
- Diagnosis of Invasive fungal infections in pediatric patients with hematologic disorders. 16th international congress of microbiology.
- Antifungal Susceptibility Patterns of Colonized *Candida krusei* Isolates from Immuno-compromised Patients. 10th International Congress of Clinical Microbiology Kurdistan University of Medical Sciences. **Oral presentation**
- Investigation of Antifungal Susceptibility of *Candida glabrata* Isolated from Clinical Samples. 10th International Congress of Clinical Microbiology Kurdistan University of Medical Sciences.
- Detection of Aspergillosis in Immunocompromised Patients. 15th International & Iranian Congress of Microbiology.
- Fungal Infection in Pediatric Wards, Nemazee Hospital, Shiraz, Iran. 15th International & Iranian Congress of Microbiology.
- Oral *Candida* colonization in solid organ transplant patients, Nemazi Hospital, Shiraz, Iran. 8th International Congress of Clinical Microbiology September 30 – October 2, 2014 TABRIZ-IRAN.
- Detection and Identification of Fungal Pathogens in Clinical Samples from Patients Referred to Professor Alborzi Mycology Research Lab, Shiraz, Iran. 2nd Iranian Congress on Medical Mycology.
- Air fungal contamination in Namazi Hospital transplantation wards. 2nd Iranian Congress on Medical Mycology.
- In vitro susceptibility testing of *Aspergillus* species against five antifungal agents. 1st IFRC International Conference on Clinical Mycology: *Aspergillus* and Aspergillosis.

- Frequencies of three CYP2C19 defective alleles among patients with hematologic disorders. 16th international congress of microbiology.
- Evaluation of Catalase Activity in *Aspergillus flavus*. 10th International Congress of Clinical Microbiology Kurdistan University of Medical Sciences.
- Susceptibility of Filamentous Fungi Isolated from Shiraz Swimming Pools to commonly used Disinfectants. 10th International Congress of Clinical Microbiology Kurdistan University of Medical Sciences.
- Fungal Contamination of Water from Indoor Public Swimming Pools, Shiraz, Iran, 1394. The 2nd International and 4th Iranian Congress in Medical Mycology: From Bench to Bed.
- Susceptibility to Seven Antifungal Agents of *Candida albicans* Isolated in Iran by Clinical Laboratory Standards Institute Broth Microdilution. The 2nd International and 4th Iranian Congress in Medical Mycology: From Bench to Bed.
- *Candida* strains and their susceptibility to mouthwashes in oral cavity samples of liver transplant patients.
- The 9th International Congress of Clinical Microbiology October 13-15, 2015 Shiraz, Iran.
- Comparison between routine and molecular methods in detection of *Mucormycosis*. The 9th International Congress of Clinical Microbiology October 13-15, 2015 Shiraz, Iran.
- Determination and identification of fungal contamination in swimming pools in Shiraz. The 9th International Congress of Clinical Microbiology October 13-15, 2015 Shiraz, Iran.
- Antifungal Susceptibility of *Aspergillus* Species Isolated from Immunocompromised Patients. Tagungsband zur 4. Gemeinsamen Konferenz von DGHM und VAAM: VAAM-Jahrestagung 2014: 66. Jahrestagung der DGHM: 4th Joint Conference of the DGHM and VAAM.
- Molecular methods for the diagnosis of fungal rhinosinusitis. 3th Iranian congress on medical mycology.