

Curriculum Vitae



Personal Information:

First Name: **Hamed**

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Infectious Diseases and Tropical Medicine Research Center, Isfahan University of Medical Sciences, Isfahan, Iran

Educational Records:

2003 -2007: BSc: Medical Lab science, Tabriz University of medical Science, Tabriz-Iran

2011-2013: MSc: Medical Mycology, Shiraz University of Medical Sciences, Shiraz-Iran

2013--2017: PhD in Medical Mycology, Departments of Medical Mycology, Mazandaran University of Medical Sciences, Sari-Iran



Publications:

1. Hamed Fakhim, Elahe Nasri, Shima Aboutalebian, Sahar Gholipour, Mahnaz Nikaeen, Afsane Vaezi, Somayeh Mousavi, Sama Faramarzi, Armin Farhang, Shaghayegh Haghjooy Javanmard, Mehrdad Salahi, Ali Darakhshandeh, Kazem Ahmadikia, Hossein Mirhendi. *Asymptomatic carriers of coronavirus disease 2019 among healthcare workers in Isfahan, Iran*. *Future Virology*, 2021, (Epub ahead of print).
2. Shima Aboutalebian, Kazem Ahmadikia, Hamed Fakhim, Javaher Chabavizadeh, Ahmadreza Okhovat, , Mahnaz Nikaeen, Hossein Mirhendi, *Direct Detection and Identification of the Most Common Bacteria and Fungi Causing Otitis Externa by a Stepwise Multiplex PCR*. *Cell Infect Microbiol*, 2021 Mar 25;11:644060.
3. Afsane Vaezi, Grit Walther, Oliver Kurzai, Diman Mahdi, Mina Dadashzadeh, Elahe Nasri, Kambiz Diba, Hamid Badali, Hamed Fakhim*, *Frequency of occurrence, seasonal variation and antifungal susceptibility of opportunistic Mucorales isolated from hospital soils in Iran*. *Mycoses*.2021 Apr 9. doi: 10.1111/myc13283.
4. Atousa Hakamifard, Marzieh Hashemi, Hamed Fakhim, Shima Aboutalebian, Somayeh Hajjahmadi, Rasoul Mohammadi, *Fatal disseminated aspergillosis in an immunocompetent patient with COVID-19 due to Aspergillus ochraceus*. *J Mycol Med* 2021 Feb 23; 31(2):101124.
5. Leila Masumi, Hamed Fakhim, Afsane Vaezi, Mohammad Pourhassan-Moghaddam, Abbas Ebrahimi-Kalan, Nosratollah Zarghami, **Strategies for Isothermal Amplification of Nucleic Acids: are they Ready to be Applied in Point of Care Diagnosis of Mycosis?** *Biointerface Research in Applied Chemistry*. 2021; 10559-10571.
6. Elahe Nasri, Parisa Shoaie, Bahareh Vakili, Hossein Mirhendi, Somayeh Sadeghi, Somayeh Hajjahmadi, Alireza Sadeghi, Afsane Vaezi, Hamid Badali, Hamed Fakhim*, *Fatal Invasive Pulmonary Aspergillosis in COVID-19 Patient with Acute Myeloid Leukemia in Iran*. *Mycopathologia*. 2020; 185(6):1077-1084.

7. Elahe Nasri, Hossein Mirhendi, Behrooz Ataei, Afsane Vaezi, Somayeh Sadeghi, Hamed Fakhim*, ***Recurrent COVID-19 Pneumonia in Chronic lymphocytic leukemia patient.*** *Oncol2020*, 3; 10:1272.
8. H. Fakhim*, A. Vaezi, J. Javidnia, E. Nasri, D. Mahdi, K. Diba, H. Badali, ***Candida africana vulvovaginitis: Prevalence and geographical distribution.*** *J Mycol Med.* 2020, 5; 100966.
9. Zahra Taheri Rizi, Mahdi Abastabar, Hamed Fakhim, Macit Ilkit, Fatemeh Ahangarkani, Javad Javidnia, Iman Haghani, Jacques F Meis, Hamid Badali. ***Antifungal Activity of a Novel Triazole, Efinaconazole and Nine Comparators against 354 Molecularly Identified Aspergillus Isolates.*** *Mycopathologia*, 2020; 185(2):357-365.
10. Afsane Vaezi, Hamed Fakhim, Macit Ilkit, Leila Faeli, Mahdi Fakhar, Vahid Alinejad, Nathan P Wiederhold, Hamid Badali. ***Rapid and Low-Cost Culture-Based Method for Diagnosis of Mucormycosis Using a Mouse Model.*** *Front Microbiol.* 2020, 20; 11:440.
11. Nasri E, Fakhim H, Barac A, Yousefi S, Aghazade K, Boljevic D, Mardani M. ***Nocardia farcinica meningitis in a patient with high-grade astrocytoma.*** *J Infect Dev Ctries.* 2019;13:854-857. doi: 10.3855/jidc.11582.
12. Mahmoudi Y, Badali H, Hashemi SM, Ansari M, Fakhim H, Fallah M, Shokrzadeh M, Emami S. ***New potent antifungal triazole alcohols containing N-benzylpiperazine carbodithioate moiety: Synthesis, in vitro evaluation and in silico study.*** *Bioorg Chem.* 2019; 90:103060.
13. Fatemeh Ahangarkani1, Sadegh Khodavaissy, Shahram Mahmoudi, Tahereh Shokohi, Mohammad Sadegh Rezai, Fakhim H, Eric Dannaoui, Saharnaz Faraji, Anuradha Chowdhary, Jacques F. Meis, Hamid Badali. ***Indifferent effect of non-steroidal anti-inflammatory drugs (NSAIDs) combined with fluconazole against multi drug resistant Candida auris.*** *Current medical mycology.* 2019, 5(3): 26-30.
14. Nasri E, Fakhim H, Vaezi A, Khalilzadeh S, Ahangarkani F, Laal Kargar M, Abtahian Z, Badali H. ***Airway colonisation by Candida and Aspergillus species in Iranian cystic fibrosis patients.*** *Mycoses.* 2019; 62 (5):434-440.

15. Badali H, Al-Hatmi AMS, Fakhim H, Moghaddasi A, Khodavaisy S, Vaezi A, Ahangarkani F, de Hoog GS, Meis JF. ***In vitro activity of nine antifungal agents against a global collection of Hortaea werneckii isolates, the agent of tinea nigra.*** Int J Antimicrob Agents. 2019; 54(1):95-98.
16. Diba K, Makhdoomi K, Nasri E, Vaezi A, Javidnia J, Gharabagh DJ, Jazani NH, Reza Chavshin A, Badiie P, Badali H, Fakhim H*. ***Emerging Candida species isolated from renal transplant recipients: Species distribution and susceptibility profiles.*** Microb Pathog. 2018, 18; 125:240-245.
17. Fakhim H, Vaezi A, Dannaoui E, Sharma C, Mousavi B, Chowdhary A, Meis JF, Badali H. ***In vitro combination of voriconazole with micafungin against azole-resistant clinical isolates of Aspergillus fumigatus from different geographical regions.*** Diagn Microbiol Infect Dis. 2018. doi: 10.1016/j.diagmicrobio..03.003.
18. Fakhim H, Vaezi A, Dannaoui E, Chowdhary A, Nasiry D, Faelli L, Meis JF, Badali H. ***Comparative virulence of Candida auris with Candida haemulonii, Candida glabrata and Candida albicans in a murine model.*** Mycoses. 2018. doi:10.1111/myc.12754.
19. Motahari K, Badali H, Hashemi SM, Fakhim H, Mirzaei H, Vaezi A, Shokrzadeh M, Emami S. ***Discovery of benzylthio analogs of fluconazole as potent antifungal agents.*** Future Med Chem. 2018, 1; 10(9):987-1002. doi: 10.4155/fmc-2017-0295.
20. Vaezi A, Fakhim H, Javidnia J, Khodavaisy S, Abtahian Z, Vojoodi M, Nourbakhsh F, Badali H. ***Pesticide behavior in paddy fields and development of azole-resistant Aspergillus fumigatus: Should we be concerned?*** J Mycol Med. 2018. doi: 10.1016/j.mycmed.2017.12.007.
21. Falahatinejad M, Vaezi A, Fakhim H, Abastabar M, Shokohi T, Zahedi N, Ansari S, Meis JF, Badali H. ***Use of cell surface protein typing for genotyping of azole-resistant and -susceptible Aspergillus fumigatus isolates in Iran.*** Mycoses. 2018; 61(2):143-147.
22. Vaezi A, Fakhim H, Arastehfar A, Shokohi T, Hedayati MT, Khodavaisy S, Rezaei-Matehkolaei A, Badiie P, Hagen F, Lass-Flörl C, Dannaoui E, Meis JF, Badali H. ***In vitro antifungal activity of amphotericin B and 11 comparators against Aspergillus terreus species complex.*** Mycoses. 2018; 61(2):134-142.
23. Hagen F, Lumbsch HT, Arsic Arsenijevic V, Badali H, Bertout S, Billmyre RB, Bragulat MR, Cabañes FJ, Carbia M, Chakrabarti A, Chaturvedi S, Chaturvedi V, Chen M, Chowdhary A, Colom MF, Cornely OA, Crous PW, Cuétara MS, Diaz MR, Espinel-Ingroff

- A, Fakhim H, et al. **Importance of Resolving Fungal Nomenclature: the Case of Multiple Pathogenic Species in the Cryptococcus Genus.** mSphere. 2017;30;2(4). pii: e00238-17.
24. Fakhim H, Chowdhary A, Prakash A, Vaezi A, Dannaoui E, Meis JF, Badali H. **In Vitro Interactions of Echinocandins with Triazoles against Multidrug-Resistant Candida auris.** Antimicrob Agents Chemother. 2017;24;61(11).
25. Vaezi A, Fakhim H, Khodavaisy S, Alizadeh A, Nazeri M, Soleimani A, Boekhout T, Badali H. **Epidemiological and mycological characteristics of candidemia in Iran: A systematic review and meta-analysis.** J Mycol Med. 2017;27(2):146-152.
26. Rezai MS, Vaezi A, Fakhim H, Soleimani A, Mohammad Jafari H, Mohseni S, Badali H. **Successful treatment with caspofungin of candiduria in a child with Wilms tumor; review of literature.** J Mycol Med. 2017;27(2):261-265.
27. Fakhim H, Emami S, Vaezi A, Hashemi SM, Faali L, Diba K, Dannaoui E, Badali H. **In Vitro Activities of Novel Azole Compounds (ATTAF-1 and ATTAF-2) Against Fluconazole-Susceptible and -Resistant Isolates of Candida species.** Antimicrob Agents Chemother. 2016;24. pii: AAC.01106-16.
28. Badali H, Fakhim H, Zarei F, Nabili M, Vaezi A, Poorzad N, Dolatabadi S, Mirhendi H. **In Vitro Activities of Five Antifungal Drugs Against Opportunistic Agents of Aspergillus Nigri Complex.** Mycopathologia. 2016; 181(3-4):235-40.
29. Badali H, Alian S, Fakhim H, Falahatinejad M, Moradi A, Mohammad Davoudi M, Hagen F, Meis JF. **Cryptococcal meningitis due to Cryptococcus neoformans genotype AFLP1/VNI in Iran: a review of the literature.** Mycoses. 2015; 58(12):689-93.
30. Badali H, Khodavaisy S, Fakhim H, de Hoog GS, Meis JF, Chowdhary A. **In Vitro Susceptibility Profiles of Eight Antifungal Drugs against Clinical Environmental Strains of Phaeoacremonium.** Antimicrob Agents Chemother. 2015;59(12):7818-22.
31. Yazdanparast SA, Khodavaisy S, Fakhim H, Shokohi T, Haghani I, Nabili M, Gholami H, Ahmadi I, Badali H. **Molecular Characterization of Highly Susceptible Candida africana from Vulvovaginal Candidiasis.** Mycopathologia. 2015; 180(5-6):317-23.
32. Zarei F, Mirhendi H, Fakhim H, Geramishoar M. **The first case of onychomycosis due to Aspergillus uvarum (section Nigri).** Mycoses. 2015; 58(4):239-42.

Congress Presentations:

1. H. Fakhim, H. Badali, *In vitro activities of seven antifungal drugs against Candida africana, an atypical agent of vulvovaginal candidiasis*. 6th Conference of Medical Microbiology (FEMS) June 7-11, 2015, Maastricht, the Netherlands.
2. H. Fakhim, H. Badali. *Molecular identification of candida species isolated from patients with vulvovaginal candidiasis in Iran*. 6th Conference of Medical Microbiology (FEMS) June 7-11, 2015, Maastricht, the Netherlands.
3. H. Badali, A.Sadeh, H. Fakhim, G. Sybren de Hoog, *High frequency of Exophiala dermatitidis and E. xenobiotica in railway stations in Iran* (2015). Poster presentation at the 19th International Society of Human and Animal Mycology (ISHAM) Congress, 4th - 8th May 2015, Melbourne, Australia.
4. Fakhim H, Emami S, Hashemi SM, Badali H. *Interaction of the novel azole derivatives (10h&11h) with fluconazole against Candida species in vitro*. 2nd International and 4th Iranian Congress in Medical Mycology. 18th-20 of November, 2018, Shiraz, Iran.

Awards:

- 1) One month award worth 1700 Euro for ESCMID Observership visit course in Medical Mycology in Delhi, India, 2016 (Prof. Anuradha Chowdhary).
- 2) One month award worth 1700 Euro for ESCMID Observership visit course in Medical Mycology in Heinrich-Heine-Universität Düsseldorf, Germany, 2019 (Prof. Colin MacKenzie).
- 3) FEMS young investigators travel award worth 400 Euro for an outstanding presentation at the 6th Conference of Medical Microbiology (FEMS) June 7-11, 2015, Maastricht, The Netherlands.
- 4) FEMS young investigators travel award worth 600 Euro for an outstanding presentation at the 7th Conference of Medical Microbiology (FEMS) 9-13 July, 2017, Valencia, Spain.

Professional memberships:

- 1) Member of the Young International Society of Human and Animal Mycology (ISHAM).
- 2) Member of the European Society of Clinical Microbiology and Infection Disease (ESCMID).

Specialization and Interest:

In vitro activities of antifungals against clinical fungi

The mechanism of the development of drug resistance

Evolution of pathogenicity with animal experiments

REFEREES:

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