

**CURRICULUM VITAE**  
**RASOUL MOHAMMADI, Ph.D.,**  
**Associate Professor of Medical Mycology**

**Academic Address:** Department of Medical Parasitology and Mycology,  
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**Academic Training:**

**Ph.D.** Medical Mycology, School of Medicine, Tarbiat Modares University, Tehran, Iran, July 2011.

Dissertation Title: Study on the prevalence of the new species (*Candida orthopsilosis*, *Candida metapsilosis*, *Candida nivariensis*, *Candida bracarensis*) among yeasts isolates of patients using specific genetic markers and study of their drug resistance

**M.S.** Medical Mycology, School of Medicine, Tarbiat Modares University, Tehran, Iran, February 2006.

Thesis Title: Antifungal activity of *Boswellia serrata* essential oil against fluconazole resistant and susceptible isolates of *Candida albicans*

**B.Sc.** Microbiology, Islamic Azad University of Falavarjan, Isfahan, Iran, July 2001.

**SPECIALITY/ FIELDS OF INTEREST:**

Molecular identification of fungi

Antifungal susceptibility testing (AFST)

Epidemiology of fungal diseases

Opportunistic fungal infections with a focus on candidiasis, aspergillosis, and mucormycosis

Fungal vaccines

Antifungal properties of medicinal herbs

## **PROFESSIONAL SKILLS:**

DNA extraction, Purification, Gel electrophoresis, PCR, PCR-RFLP, RAPD, FSP-PCR, PCR-ELISA, Real-time PCR, Preparing diluted of antifungal agents, Sample and inoculum preparation, E-Test procedure, MIC and MEC reading results, MIC50, MIC90, MEC, MFC reading results, Breakpoint and interpretation of results

## **PROFESSIONAL EMPLOYMENT:**

### *Isfahan University of Medical Sciences:*

Associate professor, Department of Medical Parasitology and Mycology, Isfahan University of Medical Sciences, Isfahan, Iran, June 2018-present.

Assistant professor, Department of Medical Parasitology and Mycology, Isfahan University of Medical Sciences, Isfahan, Iran, February 2013-June 2018.

### *Shahid Ashrafi Esfahani nonprofit University*

Assistant professor, September 2012-February 2013.

### *Amin Pharmaceutical Company*

Microbiology laboratory expert, June 2008-March 2009.

### *Goldaru Pharmaceutical Company*

Microbiology laboratory supervisor, July 2003-November 2007.

## **TEACHING AND ADMINISTRATIVE EXPERIENCE:**

### *@Isfahan University of Medical Sciences:*

#### **Undergraduate Teaching**

Teaching theoretical and practical courses in medical mycology to nursing, midwifery, health, and medical laboratory sciences students

#### **M.S. and Ph.D. Teaching**

Familiarity with medical mycology, Superficial-cutaneous fungal diseases, Subcutaneous fungal diseases, Deep mycoses, Cell and molecular biology in mycology, Seminar, Advanced and applied mycology, Immunomycology

## **ADMINISTRATION AND MEMBERSHIP:**

### ***Isfahan University of Medical Sciences:***

Secretary of Ethics Committee, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran, April 2022-present.

Vice Dean for Research Affairs, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran, December 2019-present.

Welfare manager, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran December 2017-present.

Vice-chancellor, Department of Medical Parasitology and Mycology, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran, July 2016-July 2018.

Member of promotion committee, School of Medicine, Isfahan University of Medical sciences, Isfahan, Iran, March 2015-present.

Member of Infectious Diseases and Tropical Medicine Research Center, Isfahan University of Medical sciences, Isfahan, Iran, May 2015-present.

Member of educational development organization (EDO), School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran April 2017-May 2019.

## **PUBLISHED PAPERS (PEER-REVIEWED)**

1. 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. *Ann Clin Microbiol Antimicrob.* 2023 Feb 20; 22(1):15.

1. Amini N, **Mohammadi R\***. Phospholipase Activity of *Candida* Species Isolated from Diabetic Patients. *Adv Biomed Res.* 2023; 12:19.
2. Dolatabadi S, Nasirharandi S, Pourahmad M, Ahmadikia K, Mokhtari M, Najafzadeh MJ, **Mohammadi R\***. Phaeohyphomycosis caused by *Neoscytalidiumdimidiatum* in a COVID-19 patient. *Rev Iberoam Micol.* 2022; 39(3-4):72-76.
3. Nosratabadi M, Akhtari J, Faeli L, Haghani I, Aghili SR, Shokohi T, Hedayati MT, Zarrinfar H, **Mohammadi R**, et al. In Vitro Antifungal Susceptibility Profile of Miltefosine against a Collection of Azole and Echinocandins Resistant *Fusarium* Strains. *J Fungi (Basel).* 2022; 8(7):709.
4. Khodadadi H, Ahmadpour E, Nami S, **Mohammadi R**, Hosseini H, Behravan M, et al. Global prevalence, mortality, and main risk factors for COVID-19 associated pneumocystosis: A systematic review and meta-analysis. *Asian Pac J Trop Med.* 2022; 15(10): 431-441.
5. Nosratabadi M, Faeli L, Haghani I, **Mohammadi R**, Khodavaisy S, Kachuei R, et al. In vitro antifungal susceptibility profile of Iranian *Fusarium* isolates: Emphasising on the potent inhibitory effect of efinaconazole compared to other drugs. *Mycoses.* 2023; 66(3):258-275.
6. Mohaghegh F, Abtahi-Naeini B, Nasri E, Badiee P, Morovati H, Fakhim H, Farmani A, Meidani M, Ranjbar-Mobarake M, **Mohammadi R\***. *Fusarium proliferatum*-induced chronic lip ulcer: successful treatment with itraconazole: a case report. *J Med Case Rep.* 2022; 16(1):346.
7. Badiee P, Boekhout T, Haddadi P, **Mohammadi R**, Ghadimi-Moghadam A, Soltani J, et al. Epidemiology and Antifungal Susceptibility of *Candida* Species Isolated from 10 Tertiary Care Hospitals in Iran. *Microbiol Spectr.* 2022; 10(6):e0245322.
8. Zarei N, Roudbary M, Roudbar Mohammadi S, Dos Santos AL, Nikoomanesh F, **Mohammadi R**, et al. Prevalence, Molecular Identification, and Genotyping of *Candida* Species Recovered from Oral Cavity among Patients with Diabetes Mellitus from Tehran, Iran. *Adv Biomed Res.* 2022; 11(1):29.

9. Sabouhi M, Amini-Pozveh M, Bajoghli F, Dastjerd HR, **Mohammadi R**. Synthesis and Characterization of Antifungal Nanocomposite AgSiO<sub>2</sub> Polymethyl Methacrylate. *Eur J Dent*. 2022; 16 (1):109-114.
10. Eshraghi B, Hosseini NS, **Mohammadi R**, Abtahi SHR, Ramezani-Majd A, Azad R, Pourazizi M. From Bilateral Periorbital Necrotic Wound to Fungal Brain Abscess: A Complicated Case of COVID-19-Associated Mucormycosis. *Case Rep Infect Dis*. 2022; 2022:3821492.
11. Abastabar M, Babaei M, **Mohammadi R**, Valadan R, Javidnia J, Zaedi A, et al. Iranian National Survey on Tinea Capitis: Antifungal Susceptibility Profile, Epidemiological Characteristics, and Report of Two Strains with a Novel Mutation in SQLE Gene with Homology Modeling. *Mycopathologia*. 2022 Aug 18. doi: 10.1007/s11046-022-00657-2.
12. Kumar S, Kumar A, Roudbary M, **Mohammadi R**, Černáková L, Rodrigues CF. Overview on the Infections Related to Rare Candida Species. *Pathogens*. 2022, 11, 963.
13. Rezvani F, Maheronnaghsh M, **Mohammadi R\***. Comparison of proteinase activity, hemolysin production, and adherence ability of *Candida albicans* isolates obtained from gastroesophageal lesions and urinary tract infections. *J Res Med Sci*. 2022; 27(1): 58.
14. Chamola V, **Mohammadi R\***, Nair H, Goyal A, Patel A, Hassija V, et al. COVID-19-associated mucormycosis: A review of an emergent epidemic fungal infection in the era of COVID-19 pandemic. *J Res Med Sci*. 2022; 27(1): 57.
15. Badiee 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. *Microbiol Spectr*. 2022 May 17:e0253921. doi: 10.1128/spectrum.02539-21.
16. Pourazizi M, **Mohammadi R**, Abtahi-Naeini B. COVID-19 Associated Mucormycosis and Anbarnesa: Concerning about Important Source of Spores. *Iran J Public Health*. 2022; 51(1): 223-225.

- 17.2. Deyhimi MS, Meidani M, Saadatnia M, **Mohammadi R\***. A Case Report of Antifungal-Resistant Cryptococcal Meningitis in a Patient with Kidney Transplant. *J Isfahan Med Sch.* 2021; 39(637): 604-9 (Farsi with an Abstract in English).
18. Meidani M, Mortazavi M, Omrani MR, Hajzargarbashi ST, **Mohammadi R\***. Brain abscess due to the Mucoraceae in a renal transplant recipient; successful endoscopic treatment. *J Res Med Sci* 2021; 26:127.
19. Ranjbar-Mobarake M, Nowroozi J, Badiee P, Mostafavi SN, **Mohammadi R\***. Cross-sectional study of candidemia from Isfahan, Iran: Etiologic agents, predisposing factors, and antifungal susceptibility testing. *J Res Med Sci* 2021; 26:107.
20. Taghipour S, Abastabar M, Piri F, Aboualigalehdari E, Jabbari MR, Zarrinfar H, Nouripour-Sisakht S, **Mohammadi R**, Ahmadi B, Ansari S, Katirae F, Niknejad F, Didehdar M, Nazeri M, Makimura K, Rezaei-Matehkolaei A. Diversity of Geophilic Dermatophytes Species in the Soils of Iran; The Significant Preponderance of *Nannizzia fulva*. *J Fungi (Basel)*. 2021; 7(5):345. doi: 10.3390/jof7050345.
21. Sabouhi M, Amini-Pozveh M, Bajoghli F, Dastjerd H, **Mohammadi R**. Synthesis and Characterization of Antifungal Nanocomposite AgSiO<sub>2</sub> Polymethyl Methacrylate. *Eur J Dent.* 2021. doi: 10.1055/s-0041-1731831.
22. Chadeganipour M, Shadzi S, **Mohammadi R\***. Fungal Infections among Psoriatic Patients: Etiologic Agents, Comorbidities, and Vulnerable Population. *Autoimmune Dis.* 2021; 2021:1174748. doi: 10.1155/2021/1174748.
23. Mottaghi B, Emami MH, Riahi P, Fahim A, Rahimi H, **Mohammadi R\***. Candida colonization of the esophagus and gastric mucosa; a comparison of patients taking proton pump inhibitors and those taking histamine receptor antagonist drugs. *Gastroenterol Hepatol Bed Bench.* 2021; 14(4):349-355.
24. Mirshekar M, Emami MH, **Mohammadi R\***. In vitro antifungal susceptibility pattern of Candida species isolated from gastroesophageal candidiasis. *Gastroenterol Hepatol Bed Bench.* 2021; 14(3):260-266.
25. Ranjbar-Mobarake M, Nowroozi J, Badiee P, Mostafavi SN, **Mohammadi R\***. Fatal disseminated infection due to *Sarocladium kiliense* in a diabetic

patient with COVID-19. Clin Case Rep. 2021; 9 (9):e04596. doi: 10.1002/ccr3.4596.

26. Hakamifard A, Hashemi M, Fakhim H, Aboutalebian S, Hajiahmadi S, **Mohammadi R\***. Fatal disseminated aspergillosis in an immunocompetent patient with COVID-19 due to *Aspergillus ochraceus*. J Mycol Med. 2021; 31(2):101124. doi: 10.1016/j.mycmed.2021.101124.
27. Gholami M, Mokhtari F, **Mohammadi R\***. Identification of *Malassezia* species using direct PCR- sequencing on clinical samples from patients with pityriasis versicolor and seborrheic dermatitis. Curr Med Mycol. 2020 Sep; 6 (3):21-26. doi: 10.18502/cmm.6.3.3984.
28. Chadeganipour M, **Mohammadi R\***. A 9-year Experience of *Aspergillus* Infections from Isfahan, Iran. Infect Drug Resist. 2020; 13: 2301-2309.
29. Meidani M, Abtahi SH, **Mohammadi R\***. Traumatic Mucormycosis of Auricular Cartilage in an Iranian Diabetic Patient. Int Med Case Rep J. 2020; 13:95-99.
30. Rajabzadeh A, Shokri D, Aboutalebian S, Morovati H, Mohammadi A, Eshraghi Samani R, **Mohammadi R\***. A Fatal Case of Bloodstream Infection by *Fusarium Solani* in a Patient with Adrenocortical Carcinoma from Isfahan, Iran. Int J Cancer Manag. 2020; 13(2):e98610.
31. Abedi R, Sami M, **Mohammadi R**, Mirlohi M. Microbial and Fungal Contamination of Wheat Flour, Dough, and Bread Samples Collected from Isfahan, Iran. Egypt J Vet Sci. 2020; 51(2): 163-170.
32. Rahimi T, **Mohammadi R\***. Identification of Dermatophyte and Nondermatophyte Molds Isolated from Animal Lesions Suspected to Dermatomyces. Adv Biomed Res. 2020; 9: 4. eCollection 2020.
33. Taei M, Chadeganipour M, **Mohammadi R\***. An alarming rise of non-albicans *Candida* species and uncommon yeasts in the clinical samples; a combination of various molecular techniques for identification of etiologic agents. BMC Res Notes. 2019; 12:779. <https://doi.org/10.1186/s13104-019-4811-1>.
34. Haghighipour S, Pourahmad M, Noorbakhsh M, **Mohammadi R\***. *Candida* Urinary Tract Infection among ICU Patients in Isfahan, Iran. Arch Clin Infect Dis. 2019; 14(5):e86472.

35. Sardari A, Zarrinfar H, **Mohammadi R\***. Detection of ERG11 point mutations in Iranian fluconazole-resistant *Candida albicans* isolates. *Curr Med Mycol*. 2019; 5(1): 7-14.
36. Nami S, **Mohammadi R**, Vakili M, Khezripour K, Mirzaei H, Morovati H. Fungal vaccines, mechanism of actions and immunology: A comprehensive review. *Biomedicine & Pharmacotherapy*. 2019; 109: 333-344.
37. **Mohammadi R**, Ansari Chaharsoghi M, Khorvash F, Kaleidari B, Sanei MH, Ahangarkani F, Abtahian Z, Meis JF, Badali H. An unusual case of gastrointestinal basidiobolomycosis mimicking colon cancer; literature and review. *J Mycol Med*. 2018; 29(1):75-79.
38. **Mohammadi R**, Mohammadi A, Ashtari F, Khorvash F, Hakamifard A, Vaezi A, Javidnia J, Meis JF, Badali H. Cerebral phaeohyphomycosis due to *Rhinocladiella mackenziei* in Persian Gulf region: A case and review. *Mycoses*. 2018; 61(4):261-265.
39. Haghhighipour S, Samimi M, Ataei B, **Mohammadi R**. Mortality Rate of Mucormycosis and its Risk Factors in Hospitalized Patients in Alzahra Hospital, Isfahan, Iran, during 2011-2015. *J Isfahan Med Sch*. 2018; 35(453): 1526-1531 (Farsi with an Abstract in English).
40. Ghobadi R, **Mohammadi R**, Chabavizadeh J, Sami M. Effect of *Ganoderma lucidum* powder on oxidative stability, microbial and sensory properties of emulsion type sausage. *Adv Biomed Res*. 2018; 16; 7: 24.
41. Azad M, Chabavizadeh J, Dehghan P, **Mohammadi R**. The Frequency of Candiduria in Hospitalized Patients at Nephrology Department, Labbafinejad Hospital, Tehran, Iran. *J Isfahan Med Sch*. 2017; 35(450): 1364-1369.
42. Badiee 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 J Microbiol*. 2017; 10(12):e56117.
43. Badiee P, Badali H, Boekhout T, Diba K, Ghadimi Moghadam A, Hossaini Nasab A, Jafarian H, **Mohammadi R**, Mirhendi H, Najafzadeh MJ, Shamsizadeh A, Soltani J. 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; 17:727.

44. Lotfali E, Shahverdi AR, **Mohammadi R**, Noorbakhsh F, Ghajari A, Ansari S, Rezaie S. *In Vitro* Activity of Two Nanoparticles on Clinical Isolates of *Candida parapsilosis*, Showing Resistance against Antifungal Agents in Children. *Arch Clin Infect Dis*. 2017; 12(4):e13853.
45. Badali H, Rezaie S, F Meis JF, Agha Kuchak Afshari S, Modiri M, Hagen F, Moazeni M, **Mohammadi R**, Khodavaissy S. Microsatellite genotyping of clinical *Candida parapsilosis* isolates. *Curr Med Mycol*. 2017, 3(4): 15-20.
46. Cheraghsahar S, Kazemi S, Birjandi M, Yarahmadi M, Mahmoudi SH, **Mohammadi R**, Sepahvand A. Otomycosis in Western Iran: Clinical and Mycological Aspects. *Arch Clin Infect Dis*. 2017; 12(2):e57287.
47. Kamari A, Sepahvand A, **Mohammadi R**. Isolation and molecular characterization of *Cryptococcus* species isolated from pigeon nests and Eucalyptus trees. *Curr Med Mycol*. 2017, 3(2): 20-25.
48. Pouladian SH, Movahedi M, **Mohammadi R\***. Clinical and Mycological Study of Vulvovaginal Candidiasis (VVC); Identification of Clinical Isolates by Polymerase Chain Reaction-Fragment Size Polymorphism (PCR-FSP) Technique. *Arch Clin Infect Dis*. 2017; 12(2):e62761. doi: 10.5812/archcid.62761.
49. Salehi F, Esmacili M, **Mohammadi R\***. Isolation of *Candida* Species from Gastroesophageal Lesions among Pediatrics in Isfahan, Iran: Identification and Antifungal Susceptibility Testing of Clinical Isolates by E-test. *Adv Biomed Res*. 2017; IP: 37.254.39.227.
50. Kheirkhah M, Chadeganipour M, Dehghan P, **Mohammadi R\***. Identification of morphological and molecular *Aspergillus* species isolated from patients based on beta-tubulin gene sequencing. *Yafte*. 2017; 19(1): 87-97 (Farsi with an Abstract in English).
51. Lotfali E, Ghajari A, Kordbacheh P, Zaini F, Mirhendi H, **Mohammadi R**, Noorbakhsh F, Rezaie S. Regulation of ERG3, ERG6, and ERG11 Genes

- in Antifungal-Resistant isolates of *Candida parapsilosis*. *Iran Biomed J*. 2017; 21(4): 275-281.
52. Mohammadi A, Hashemi SM, Abtahi SH, Lajevardi SM, Kianipour S, **Mohammadi R\***. An investigation on non-invasive fungal sinusitis; Molecular identification of etiologic agents. *J Res Med Sci*. 2017; 30; 22:67.
53. **Mohammadi R**, Mirhendi H, Hedayati MT, Badali H. Caspofungin-Non-Susceptible *Candida orthopsilosis* Isolated from Onychomycosis in Iran. *Iran J Public Health*. 2017; 46(2): 235-241.
54. Abastabar M, Hosseinpour S, Hedayati MT, Shokohi T, Valadan R, Mirhendi H, **Mohammadi R**, Aghili SR, Rahimi N, Aslani N, Haghani I, Gholami S. Hyphal wall protein 1 gene: A potential marker for the identification of different *Candida* species and phylogenetic analysis. *Curr Med Mycol*. 2016; 2(4): 1-8.
55. Fathi N, **Mohammadi R\***, Tabatabaiefar MA, Ghahri M, Sadrossadati SZ. Sequence-identification of *Candida* species isolated from candidemia. *Adv Biomed Res*. 2016; 5: 150.
56. Roudbarmohammadi S, Roudbary M, Bakhshi B, Katirae F, **Mohammadi R**, Falahati M. ALS1 and ALS3 gene expression and biofilm formation in *Candida albicans* isolated from vulvovaginal candidiasis. *Adv Biomed Res*. 2016; 5:105.
57. Chadeganipour M, **Mohammadi R\***. Causative Agents of Onychomycosis: A 7-Year Study. *J Clin Lab Anal*. 2016; 30(6): 1013-1020.
58. Nabili M, Abdollahi Gohar A, Badali H, **Mohammadi R**, Moazeni M. Amino acid substitutions in Erg11p of azole-resistant *Candida glabrata*: Possible effective substitutions and homology modeling. *J Glob Antimicrob Resist*. 2016; 5:42-6.
59. Hosseini-Safa A, Mohaghegh MA, Pestechian N, Ganji M, **Mohammadi R**, Mahmoudi Lamouki R, Rostami-Nejad M. First report of Tasmanian sheep strain (G2) genotype isolated from Iranian goat using the high resolution melting (HRM) analysis. *Gastroenterol Hepatol Bed Bench*. 2016; 9(Suppl1): S70-S74.
60. Babaei H, Chabavizadeh J, Dehghan P, **Mohammadi R\***. Identification of Clinical Isolates of *Candida* using Duplex PCR. *J Arak Univ Med Sci*. 2016; 19(113): 8-15 (Farsi with an Abstract in English).

61. Keshavarzpour Z, Sami M, Falahati H, **Mohammadi R**. Bacterial and Mold Contamination of Milk and Dairy Products distributed By Traditional or Commercial Producers in Isfahan, Iran, in 2014. *J Isfahan Med Sch*. 2016; 34(387): 712-717 (Farsi with an Abstract in English).
62. Bahmaei M, Dehghan P, Kachuei R, Babaei H, **Mohammadi R\***. Interdigital intertrigo due to *Fusarium oxysporum*. *Curr Med Mycol*. 2016; 2(1):43-46.
63. Badiee P, Badali H, Diba K, Ghadimi Moghadam A, Hosseininasab 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. *Curr Med Mycol*. 2016; 2(1): 24-29.
64. Badiee P, Hashemizadeh Z, Ramzi M, Karimi M, **Mohammadi R**. Non-Invasive Methods to Diagnose Fungal Infections in Pediatric Patients with Hematologic Disorders. *Jundishapur J Microbiol*. 2016; 9(11): e41573.
65. **Mohammadi R\***, Foroughifar E. Candida infections among neutropenic patients. *Caspian J Intern Med*. 2016; 7(2): 71-77.
66. Arghavan B, Sharifi M, Shafiee M, **Mohammadi R\***. Evaluation of miR-146a expression level in macrophages exposed to *Candida glabrata*. *Curr Med Mycol*. 2016; 2(2): 16-19.
67. Amirrajab N, Badali H, Didehdar M, Afsarian MH, **Mohammadi R**, Lotfi N, Shokohi T. In Vitro Activities of Six Antifungal Drugs against *Candida glabrata* isolates: An Emerging Pathogen. *Jundishapur J Microbiol*. 2016; 9(5): e36638.
68. Lotfali E, Kordbacheh P, Mirhendi H, Zaini F, Ghajari A, **Mohammadi R**, Noorbakhsh F, Moazeni M, Fallahi A, Rezaie S. Antifungal Susceptibility Analysis of Clinical Isolates of *Candida parapsilosis* in Iran. *Iran J Public Health*. 2016; 45(3): 322-8.
69. Abastabar M, Mirhendi H, Hedayati MT, Shokohi T, Rezaie-Matehkolaei, **Mohammadi R**, Badali H, Moazeni M, Haghani I, Ghojoghi A, Akhtari J. Genetic and morphologic diversity of the genus *Penicillium* from Iran. *Jundishapur J Microbiol*. 2016; 9(1): e28280.

70. Kafshdooz Jabari S, Chadeganipour M, Ghahri M, **Mohammadi R\***. Etiologic Agents of Candidemia in Pediatric Immunocompromised Patients. *Iran J Ped Hematol Oncol*. 2016; 6(4): 209-2015.
71. Zarrinfar H, Kaboli S, Dolatabadi S, **Mohammadi R\***. Rapid detection of *Candida* species in bronchoalveolar lavage fluid of patients with pulmonary symptoms. *Brazilian J Microbiol*. 2016; 47(1):172-6.
72. Yazdani MR, Foroughifar E, **Mohammadi R\***. Identification of *Candida* Species Isolated from Renal Transplant Recipients with Candiduria. *Int J Organ Transplant Med*. 2016; 7(4): 206-211.
73. **Mohammadi R\***, Ataei B. Candidiasis in Pediatrics; Identification and In vitro Antifungal Susceptibility of the Clinical Isolates. *Iranian J Ped Hematol Oncol*. 2016; 6(1): 43-51.
74. Bahmaei M, Dehghan P, **Mohammadi R**, Chabavizadeh J, Mahaki B. Identification of *Candida* Species Isolated from Candiduria Patients Using Polymerase Chain Reaction-Restriction Fragment Length Polymorphism in Isfahan, Iran. *Isfahan Med Sch*. 2016; 34(381): 484-490 (Farsi with an Abstract in English).
75. Chadeganipour M, **Mohammadi R\***, Shadzi SH. A 10-Year Study of Dermatophytoses in Isfahan, Iran. *J Clin Lab Anal*. 2016; 30(2): 103-7.
76. **Mohammadi R\***, Abdi S. Molecular identification of *Candida* species isolated from gastro-oesophageal candidiasis in Tehran, Iran. *Gastroenterol Hepatol Bed Bench*. 2015; 8(4): 288-293.
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78. Karimi L, Mirhendi H, Khodadadi H, **Mohammadi R**. Molecular identification of uncommon clinical yeast species in Iran. *Curr Med Mycol*. 2015; 1(2): 1- 6.
79. Chadeganipour M, **Mohammadi R\***. Steroid-binding receptors in the fungi: implication for systemic mycoses. *Curr Med Mycol*. 2015; 1(2): 46-52.
80. **Mohammadi R**, Hosseini-Safa A, Ehsani Ardakani MJ, Rostami-Nejad M. The relationship between intestinal parasites and some immune-mediated

- intestinal conditions. *Gastroenterol Hepatol Bed Bench.* 2015; 8(2): 123-131.
81. Badali H, **Mohammadi R**, Mashedi O, de Hoog S, Meis J. In vitro susceptibility patterns of clinically important Trichophyton and Epidermophyton species against nine antifungal drugs. *Mycoses.* 2015; 58(5):303-7.
82. **Mohammadi R**, Mirhendi H, Abastabar M, Badali H, Shadzi S, Chadeganipour M, Pourfathi P, Jalalizand N. Use of restriction fragment length polymorphism to rapidly identify dermatophyte species, related to dermatophytosis. *Jundishapur J Microbiol.* 2015; 8(6): e17296.
83. Didehdar M, Gokanian A, Sofian M, Mohammadi S, **Mohammadi R**, Aslani N, Haghani I, Badali H. First fatal cerebral phaeohyphomycosis due to *Rhinocladiella mackenziei* in Iran based on ITS rDNA. *J Mycol Med.* 2015; 25: 81-86.
84. **Mohammadi R**, Badiie P, Badali H, Abastabar M, Hosseini Safa A, Hadipour M, Yazdani H, Heshmat F. Use of restriction fragment length polymorphism to identify *Candida* species, related to onychomycosis. *Adv Biomed Res.* 2015; 4: 95.
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**Mohammadi R**, Navab F, Shadzi S, Hadipour M. *Strong Women, Strong Bones*. Translation from English to Farsi. 2014.

#### PRESENTATIONS/PUBLISHED ABSTRACTS

1. **Mohammadi R\***, Foroughifar E. Candidiasis as a major fungal infection among cancer patients. 17<sup>th</sup> Congress of the Iranian Society of Oncology and Hematology. 17 Nov 2018. Isfahan, Iran.
2. **Mohammadi R\***, Yazdani MR, Foroughifar E. A study of candiduria among kidney transplant recipients. 5th Iranian Congress in Medical Mycology. 4-6 Dec 2018. Tehran, Iran.
3. **Mohammadi R\***, Pouladian SH, Movahedi M. Clinical and mycological study of vulvovaginal candidiasis (VVC). 5th Iranian Congress in Medical Mycology. 4-6 Dec 2018. Tehran, Iran.
4. **Mohammadi R\***, Chadeganipour M. A 7-year study of onychomycosis from Isfahan, Iran. 5th Iranian Congress in Medical Mycology. 4-6 Dec 2018. Tehran, Iran.
5. **Mohammadi R\***. Zoonotic fungal infections. 1<sup>st</sup> National Conference on Zoonoses. 22, 23 Feb 2017. Isfahan. Iran.
6. **Mohammadi R\***, Kheirkhah M. Morphological and molecular identification of clinical *Aspergillus* species based on beta-tubulin gene

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8. Badiee P, Badali H, Diba K, Ghadimi moghadam AK, Hosseini Nasab A, Jafarian H, **Mohammadi R**, Mirhendi H, Najafzadeh MJ, Shamsi zadeh A, Soltani J. Susceptibility to Seven Antifungal Agents of *Candida albicans* Isolated in Iran by Clinical Laboratory Standards Institute Broth Microdilution. 2<sup>nd</sup> and 4<sup>th</sup> Iranian congress in Medical Mycology. 2015. Shiraz, Iran. P. 45.
9. Lotfali E, Kordbacheh P, Mirhendi H, Zaini F, Ghadjari A, **Mohammadi R**, Noorbakhsh F, Rezaie S. Amphotericin B Resistant *Candida parapsilosis* Strains, alone and in Combination with Amphotericin B. 2<sup>nd</sup> and 4<sup>th</sup> Iranian congress in Medical Mycology. 2015. Shiraz, Iran. P. 66.
10. **Mohammadi R\***, Ataei B. Identification and In Vitro Antifungal Susceptibility of *Candida* Isolates in Pediatrics. 2<sup>nd</sup> and 4<sup>th</sup> Iranian congress in Medical Mycology. 2015. Shiraz, Iran. P. 69.
11. **Mohammadi R\***, Abdi S. A Cross-Sectional Study of Gastro-esophageal Candidiasis in Tehran, Iran. 2<sup>nd</sup> and 4<sup>th</sup> Iranian congress in Medical Mycology. 2015. Shiraz, Iran. P. 68.
12. **Mohammadi R\***, Mostafavizadeh K. Excellent Management of Rhinocerebral Mucormycosis with Posaconazole in a Diabetic Patient. 2<sup>nd</sup> and 4<sup>th</sup> Iranian congress in Medical Mycology. 2015. Shiraz, Iran. P. 68.
13. **Mohammadi R\***, Arghavan B. Molecular identification of *Candida tropicalis* isolated from clinical specimens. 7<sup>th</sup> Iranian Scientific Association of Clinical Laboratory. 2014, Tehran, Iran. P. 025.
14. **Mohammadi R\***. Causative agents of bloodstream *Candida* infection among immunocompromised population. The 24<sup>th</sup> Iranian congress on infectious disease and tropical medicine. 19-23 December. 2014, Tehran, Iran. P. 102.
15. **Mohammadi R\***, Nazeri M, Sayedayn MA, Ehteram H, Arghavan Junaghani B. Rhinocerebral mucormycosis : A case report from Isfahan,



- Iran. 3<sup>th</sup> Iranian congress on Medical Mycology. 2014, Tehran, Iran. P. 109.
16. Zarrinfar H, **Mohammadi R**, Mirhendi H. Identification of *Candida* species in bronchoalveolar lavage fluid of immunocompromised and immunocompetent patients with pulmonary symptoms by PCR-RFLP. The 22<sup>th</sup> Iranian congress on infectious disease and tropical medicine. 25-29 Jan. 2014, Tehran, Iran. P. 289.
17. **Mohammadi R\***, Mirhendi H, Ghahri M, Yadegari MH, Shadzi SH, Pourfathi P, Jalalizand N. Molecular identification of *Candida* species isolated from onychomycosis in Iran. 2<sup>th</sup> Iranian congress on Medical Mycology. Feb 2013, Ahvaz, Iran. P. 206.
18. **Mohammadi R\***, Mirhendi H, Abastabar M, Shadzi SH, Pourfathi P, Jalalizand N. Identification of dermatophytes species by PCR-RFLP during 2011-2012 in Isfahan. 2<sup>th</sup> Iranian congress on Medical Mycology. Feb 2013, Ahvaz, Iran. P. 205.
19. **Mohammadi R\***, Mirhendi H, Badali H, Yadegari MH. Molecular characterization and distribution of *Candida orthopsilosis* originated from clinical samples with antifungal susceptibility profile. Berlin, ISHAM congress, 2012.
20. **Mohammadi R\***, Mirhendi H, Badali H, Yadegari MH. Identification and Frequency of *Candida* Species in Patients with Different Forms of Candidiasis in Iran, Using PCR-RFLP Method. Berlin, ISHAM congress, 2012.
21. **Mohammadi R\***, Mirhendi SH, Yadegari MH, Ghahri M, Shadzi SH, Jalalizand N. Identification of *Candida* species obtained from patients in Iran by genetic markers during 2009-2010. 2<sup>th</sup> Iranian congress on infectious disease and tropical medicine. Dec.31.2011, Tehran, Iran. P. 040.
22. **Mohammadi R\***, Mirhendi SH, Yadegari MH, Shadzi SH, Jalali Zand N. Molecular screening for *Candida orthopsilosis* and *Candida metapsilosis* among *C. parapsilosis* Group Isolates by PCR-RFLP of SADH Gene in Iran. 1<sup>st</sup> Iranian Congress on Medical Mycology, May 2011, Sari, Iran. PP: 111.

23. **Mohammadi R\***, Mirhendi SH, Yadegari MH, Shadzi SH, Jalalizand N. Identification and frequency of *Candida* species in patients with different forms of candidiasis in Isfahan, using ITS-PCR-RFLP method. 1<sup>st</sup> Iranian Congress on Medical Mycology, May 2011, Sari, Iran. PP: 112.

## **EDITORIAL BOARD**

1. Journal of Research in Medical Sciences, Isfahan University of Medical sciences, Isfahan, Iran, October 2015-present.
2. International Journal of Preventive Medicine, Isfahan University of Medical sciences, Isfahan, Iran, October 2015-present.

## **AWARDS AND HONORS:**

1. Ranked second in the M.S. entrance examination. 2003.
2. “Young Scholar of the Year” award from Goldaru Pharmaceutical Company. 2007.

## **DISSERTATION/THESIS COMPLETED:**

1. Forough Rezvani (MSc of Medical Mycology), (Thesis number: 399274), Title: Comparison of proteinase activity, hemolysin production, and adherence ability of *Candida albicans* isolates obtained from gastroesophageal lesions and urinary tract infections. 2022.
2. Negar Amini (MSc of Medical Mycology), (Thesis number: 399273), Title: Detection of phospholipase 1 and 2 in *Candida* species isolated from diabetic patients of Al-Zahra Hospital in 2019, using phenotypic and molecular methods. 2022.
3. Ebrahim Taghian (MSc of Medical Mycology), (Thesis number: 399275), Title: Identification of hyaline filamentous fungi and Phaeohyphomycetes causing sinusitis in people with healthy immune system and immunocompromised patients using molecular methods in Isfahan, Iran, during 2018-2019. 2022.
4. Batoul Mottaghi (MSc of Medical Mycology), (Thesis number: 398326), Title: *Candida* colonization of the esophagus and gastric mucosa;

comparison between patients taking proton pump inhibitors and those taking histamine receptor antagonist drugs. 2021.

5. Mohsen mirshekar (MSc of Medical Mycology), (Thesis number: 398378), Title: In vitro antifungal susceptibility pattern of *Candida* species isolated from gastroesophageal candidiasis. 2021.
6. Mahnaz Gholami (MSc of Medical Mycology), (Thesis number: 397113), Title: Molecular study on Pityriasis versicolor in Isfahan using PCR-sequencing during 2018-2019. 2020.
7. Tahereh Rahimi (MSc of Medical Mycology), (Thesis number: 397178), Title: Frequency of dermatophyte species among suspected domestic animals to dermatophytosis in veterinary clinics and animal husbandry in Isfahan by molecular techniques in 2018. 2019.
8. Monireh Taei (MSc of Medical Mycology), (Thesis number: 397112), Title: Identification of *Candida* species isolated from patients with various clinical forms of candidiasis focusing on rare species such as *Candida auris* by molecular methods in 2018 in Isfahan, Iran. 2019.
9. Mahta Noorbakhsh (Specialty degree in infectious diseases), (Thesis number: 396429), Title: *Candida* urinary tract infection among ICU patients in Isfahan, Iran. 2019.
10. Ali Sardari (MSc of Medical Mycology), (Thesis number: 396246), Title: Evaluation of drug resistance of *Candida albicans* isolates to fluconazole in Isfahan and Mashhad during 2016-2017 and detection of ERG11 gene mutation in resistant strains. 2018.
11. Abdolrasoul Mohammadi (MSc of Medical Mycology), (Thesis number: 395196), Title: Epidemiology and molecular identification of fungal agents among patients with acute and chronic sinusitis hospitalized at ENT wards of Kashani and Al-Zahra hospitals in Isfahan in 2016. 2017.
12. Shekufeh Pouladian (MSc of Medical Mycology), (Thesis number: 3941011), Title: Molecular identification of *Candida* species among patients with vulvovaginitis and antifungal effects of Cloterimazole, Miconazole, and Nystatin in treatment of patients. 2017.
13. Abuzar Kamari (MSc of Medical Mycology), (Thesis number: 395525), Title: The prevalence of rare fungi in bat cave, pigeons nest and Eucalyptus trees in Ilam, Iran, in 2016. 2016.

14. Runak Ghobadi (MSc in food safety and hygiene), (Thesis number: 394641), Title: Effect of *Ganoderma lucidum* extract and powder on oxidative stability, microbial and sensory properties of emulsion type of sausage. 2016.
15. Homeyra Babae (MSc of Medical Mycology), (Thesis number: 394793), Title: Prevalence of *Candida dubliniensis* among clinical isolates of *Candida albicans/dubliniensis* complex in diabetic patients by PCR technique and confirmation of *Candida dubliniensis* species by using of sequence analysis of ITS1-5.8S-ITS2 region. 2016.
16. Mahnaz Kheirkhah (MSc of Medical Mycology), (Thesis number: 394794), Title: Morphological and molecular Identification of Clinical Isolates of *Aspergillus* Based on Beta-Tubulin Gene Sequencing. 2016.
17. Bahareh Arghavan (MSc of Medical Mycology), (Thesis number: 394309), Title: Evaluation of miR-146a expression in infected macrophages to *Candida glabrata*. 2016.
18. Fatemeh Salehi (MSc of Medical Mycology), (Thesis number: 394707), Title: Molecular identification of *Candida* species isolated from gastroesophageal specimens of pediatrics and teenagers referred to endoscopy center in Isfahan and antifungal susceptibility testing of isolates by using of E-test in 2016. 2016.
19. Naeime Fathi (MSc of Medical Mycology), (Thesis number: 394310), Title: Sequence-identification of *Candida* species isolated from candidemia. 2016.
20. Ziyaaddin Keshavarzpour (MSc in food safety and hygiene), (Thesis number: 423493), Title: Evaluation and comparison of microbial contamination of dairy products produced by industrial and traditional methods in Isfahan and identification of *Candida* isolates by PCR-RFLP. 2016.
21. Elham Foroughifar (Specialty degree in infectious diseases), (Thesis number: 393369), Title: Identification of *Candida* species isolated from candiduria in renal transplant recipients. 2015.
22. Sahar Kafshdooz Jabari (MSc of Medical Mycology), (Thesis number: 394344), Title: Identification of *Candida* species isolated from candidemia from hospitalized patients in Milad hospital using PCR-RFLP. 2015.

23. Roya Abedi Soleimani (MSc in food safety and hygiene), (Thesis number: 396161), Title: Evaluation of flour, dough and bread (flat and loaf) in terms of bacterial and fungal contamination and identification of isolated *Aspergillus* spp. by PCR-Sequencing. 2019.
24. Mohsen Azad (MSc of Medical Mycology), (Thesis number: 3941052), Title: Prevalence of risk factors of candiduria in hospitalized patients in ICU and nephrology units, Boali and Labafi Nejad hospitals of Tehran, by PCR-RFLP. 2017.
25. Mohammad Bahmaei (MSc of Medical Mycology), (Thesis number: 394065), Title: Identification of *Candida* Species Isolated from Candiduria Patients Using PCR-RFLP and MIC detection for fluconazole and amphotericin b using microdilution broth. 2016.
26. Iran Noroozmirzaaghakhani (MSc of Medical Mycology), (Thesis number: 3941011), Title: Antifungal Activity of *Anethum Graveolens* Extract and Atrovastatin against *Candida* Species Compared to Fluconazole. 2015.