

CURRICULUM VITAE

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ACADEMIC EDUCATION:

- **PhD** in Medical Mycology, Department of Medical Mycology and Parasitology, School of Medicine, Mazandaran University of Medical Sciences (March 2014-October 2019).
- **MSc of Science** in Medical Mycology, Department of Medical mycology and Parasitology, School of Public Health, Tehran University of Medical Sciences (October 2006 - 2008).
- **Bachelor of Science** in Medical Laboratory Sciences, Department of Mazandaran University of medical laboratory Sciences, Sari University, Sari-Iran, (October 2002-2004).
- **Advanced diploma** in Medical Laboratory Sciences, Hormozgan University of Medical Sciences, Bandar Abbas, Iran (October 1999-2001).

project's activities:

NO.	Project schedules	Year	Supervisors	Statuses	Co-operation
1	<i>Investigation of genomic-expression ERG11 and ERG6 genes responsible for drug resistance in candida krusei.</i>	2007-2009	Prof. Farideh Zaini (f.zaini@sina.tums.ac.ir) Dr. Mansour Heidari (mheidari@sina.tums.ac.ir)	Completed	Project manager
2	<i>Invasive aspergillosis in Iran: A systematic review and meta-analysis of literature from 1990-2016.</i>	2015-2016	Prof. Mohammad Taghi Hedayati (hedayati@gmail.com)	Completed	Project cooperator
3	Molecular identification, genotyping and drug susceptibility of <i>Aspergillus nidulans</i> species isolated from clinical and environmental samples from Iran and different countries	2016-2019	Prof. Mohammad Taghi Hedayati (hedayati@gmail.com)	Completed	Project cooperator
4	Molecular epidemiology and antifungal susceptibility of <i>Scedosporium</i> species isolated from patients at risk for invasive fungal infections from Iran	2016-2019	Prof. Mohammad Taghi Hedayati (hedayati@gmail.com)	Completed	Project cooperator
5	<i>Invasive aspergillosis: A systematic review and meta-analysis of literature from 2000-2021</i>	2020	Prof. Mohammad Taghi Hedayati (hedayati@gmail.com)	Ongoing	Project cooperator

Publications

1. Amir Arastehfar, Melika Laal Kargar, Shahla Roudbar Mohammadi, Maryam Roudbary, Nayereh Ghods, Ladan Haghighi, Farnaz Daneshnia, **Mahin Tavakoli**, Jalal Jafarzadeh, Mohammad Taghi Hedayati, Huiwei Wang, Wenjie Fang, Agostinho Carvalho, Macit Ilkit, David S Perlin, Cornelia Lass-Flörl. **A High Rate of Recurrent Vulvovaginal Candidiasis and Therapeutic Failure of Azole Derivatives Among Iranian Women.** Front Microbiol. 2021; 12:655069.
2. Heidari S, Gheisari M, Abastabar M, Pourabdollah M, Mirenayat MS, Basharзад N, Seifi S, **Tavakoli M**, Jafarzadeh J, Ansari S, Haghani I, Mortezaee V, Seyedmousavi SM, Alastruey-Izquierdo A, Hedayati MT. *Genotyping, phylogenetic analysis and in vitro antifungal susceptibility profile of clinical isolates of Neoscytalidium species*, Mycopathologia, 2021; 186 (6): 833-845
3. **Tavakoli M**, Shokohi T, Lass-Flörl C, Hedayati MT, Hoenigl M. **The Immunological response to COVID-19 and its role in predisposing to invasive aspergillosis**, Submitted to Journal of Current Medical Mycology, 2020; 6(4): 75-79.
4. **Mahin Tavakoli**, Mohammad Taghi Hedayati, Hossein Mirhendi, Sadegh Nouripour-Sisakht, Newsha Hedayati, Fatemeh Saghafi, Setareh Mamishi. *The first rare and fatal case of invasive aspergillosis of spinal cord due to Aspergillus nidulans in an Iranian child with Chronic Granulomatosis Disease: Review of literature*, Journal of Current Medical Mycology, 2020, 6(1): 55-60.

5. Vakili M, Aliyali M, Mortezaee V, Mahdaviani SA, Poorabdollah M, Mirenayat MS, Fakharian A, Hassanzad M, Abastabar M, Yazdani Charati J, Haghani I, **Tavakoli M**, Maleki M, Hedayati N, Armstrong-James Darius, Hedayati MT. *Relationship between asthma symptom severity and colonization of Aspergillus species.* The Clinical Respiratory Journal, 2020; 14(8) 748-757.
6. **Tavakoli M**, Rivero-Menendez O, Abastabar M, Hedayati MT, Sabino R, Siopi M, Zarrinfar H, Nouripour-Sisakht S, Vander Lee H, Valadan R, Meletiadis J, Yazdani Charati J, Seyedmousavi S, Alastruey-Izquierdo A. *Genetic diversity and antifungal susceptibility patterns of Aspergillus nidulans complex obtained from clinical and environmental sources.* Journal of Mycoses. 2019; 63(1):78-88.
7. **Tavakoli M**, Moosazadeh M, Yazdani charati J, Seyedmousavi, S M, W Denning D, Hedayati MT. *National trends in incidence, prevalence and disability-adjusted life years of invasive aspergillosis in Iran: a systematic review and meta- analysis.* Journal of Expert Review of Respiratory Medicine. 2019; 13(11):1121-1134
8. Hedayati MT, **Tavakoli M**, Maleki M, Heidari S, Mortezaee V, Gheisari M, Mirenayat MS, Mahdaviani SA, Pourabdollah M, velayati AK, Vakili M, Abastabar M, Haghani I, Jafarzadeh J, Hedayati N, Seyedmousavi SM, Alastruey-Izquierdo A. *Fungal epidemiology in cystic fibrosis patients with a special focus on Scedosporium species complex.* Journal of Microbial Pathogenesis. 2019; 129:168-175.
9. Maleki M, Mortezaee V, Hassanzad M, Mahdaviani SA, Poorabdollah M, Mehrian P, Behnampour N, Mirenayat MS, Abastabar M, **Tavakoli M**, Hedayati MT. *Prevalence of Allergic Bronchopulmonary Aspergillosis in Cystic Fibrosis Patients using Two Different Diagnostic Criteria,* The Journal of European Annals of Allergy and Clinical Immunology, 2019; 52(3):104-111.
10. Hedayati MT, **Tavakoli M**, Zakavi SH, Shokohi T, Mofarrah R, Ansari S, Taghizade M. *In vitro antifungal susceptibility of Candida species isolated from diabetic patients.* Journal of Rev. Soc. Bras Med Trop. 2018; 51(4):542-545.

11. **Tavakoli M**, Zaini F, Kordbacheh M, Safara M, Raoofian R, Heidari M. *Upregulation of the ERG11 gene in Candida krusei by azoles*. Daru Journal of pharmaceutical Sciences. 2010; 18(4): 276-280.

Congresses

- **Mahin Tavakoli**, Mohammad Taghi Hedayati, Ana Alaustrey-Izquierdo, Seyed Mojtaba Seyedmousavi, Marisa Siopi, Raquel Sabino, Hossein Zarrinfar, Sadegh Nouripour-Sisakht, Molecular identification and *In vitro* antifungal susceptibility of clinical and environmental isolates of *Aspergillus nidulans complex* collected from different countries, presented as a poster in **5st congress of Medical Mycology, Tehran, Iran, 22-25 November 2018.**
- Mahshid Vakili, Vida Mortezaee, Seyed Alireza Mahdavian, Mihan Poorabdollah, Maryam Sadat Mirenayat, Atefeh Fakharian, Maryam Hassanzad, Mahdi Abastabar, Masoud Alialy, **Mahin Tavakoli**, Maedeh Maleki, Mohammad T. Hedayati, Is there relationship between isolated *Aspergillus* species and severity of asthma?, presented as a poster in **5st congress of Medical Mycology, Tehran, Iran, 22-25 November 2018.**
- Maedeh maleki, Vida Mortezaee, Maryam Hassanzad, Seyed Alireza Mahdavian, Mihan Poorabdollah, Payam Mehrian, Maryam Sadat Mirenayat, Seyed Alireza Aleyasin, **Mahin Tavakoli**, Maryam Gheisari, Mahshid Vakili, Mahdi Abastabar, Iman Haghani, Mohammad T. Hedayati, Prevalence of Allergic Bronchopulmonary Aspergillosis in Iranian Cystic Fibrosis Patients by Two Different Diagnostic Criteria, presented as a poster in **5st congress of Medical Mycology, Tehran, Iran, 22-25 November 2018.**
- Hedayati MT, **Tavakoli M**, Moosazadeh M, Yazdani charati J, Seyedmousavi, S, W Denning D. *Invasive aspergillosis* in Iran: A systematic review and meta-analysis of literature from 1990-2016, selected as a top poster in the congress of 8th Advances Against Aspergillosis, **Lisbon, Portugal, 1-3 February 2018.**
- **Tavakoli M**, Mamishi S, Mirhendi H, Nouripour-Sisakht S, Hedayati MT. A rare, fatal case of invasive aspergillosis of spinal cord due to *Aspergillus nidulans var. dentatus* in a child with Chronic Granulomatous Disease, presented as a poster in the congress of 8th Advances Against Aspergillosis, **Lisbon, Portugal, 1-3 February 2018.**
- **Tavakoli M**, Salehi E, Hedayati MT, Zoll J, Rafati H, Ghasemi M, Doroudinia A, Abastabar M, Toloee A, Snelders E, Van der Lee H.A, Rijs AJ. M. M, Verweij P E, Seyedmousavi S M, and Melchersd W J. G. Comparison of q-PCR with histopathology

method in invasive aspergillosis diagnosis, presented as a **poster** in the congress of **8th Advances Against Aspergillosis, Lisbon, Portugal, 1-3 February 2018.**

- Zakavi SH, **Tavakoli M**, Shokohi T, Mofarrah R, Ansari S, Taghizade M, Hedayati MT. In vitro antifungal susceptibility of *Candida* species isolated from diabetic patients, presented as a **poster** in **20th congress of the international Society for Human and Animal Mycology (ISHAM), Amsterdam, The Netherlands, 30 Jun-4 July 2018.**
- Vida Mortezaee, Newsha Hedayati, Mahshid Vakili, **Mahin Tavakoly**, Maedeh Maleki, Mahdi Abastabar, Mojtaba Taghizadeh Armaki, Mohammad T. Hedayati. Overview of the epidemiology of antifungal susceptibility of *Aspergillus* section *Fumigati*, presented as a **poster** in **1st IFRC International Clinical Mycology Conference: Aspergillus and Aspergillosis, Sari, Iran, 8-10 November 2016.**
- Zeinab Bandalizadeh, Mahin Tavakoli, Afsane Vaezi, Mohamad T. Hedayati, Tahereh Shokohi, Hamid Badali. *Aspergillus* species in indoor environment of a burn hospital in Sari, Iran, presented as a **poster** in **1st IFRC International Clinical Mycology Conference: Aspergillus and Aspergillosis, Sari, Iran, 8-10 November 2016.**
- **Tavakoli M**, Zaini F, Kordbacheh P, Heidari M. Upregulation of the *ERG11* gene in *Candida krusei* by Azoles, **published** in conference proceeding in Clinical Microbiology and Infectious Diseases (ECCMID), **London, England, March 31th- April 3th, 2012.**

Participate in workshop

1. Participating in Systematic and Meta-analysis workshop held at Mazandaran University of Medical Sciences, Sari on August 2017.
2. Participating in Systematic and Meta-analysis workshop held at Mazandaran University of Medical Sciences, Sari on January 2017

Teaching Experience

Teaching at Islamic Azad University, Savadkooh, Mazandaran from 2012-2013

Other Activities

1. Working in Laboratory of Imam Khomeini Hospital, Noor-Mazandaran, Iran (2005-2006).
2. Working in Private Laboratory of Iran, Noor-Mazandaran, Iran (2007-2008).
3. Working in Medical Laboratory of Imam Ali Hospital, Amol-Mazandaran, Iran (2011-2012).

Professional Membership

Member of American Society Microbiology (ASM).

Grant or Scholarship for a research stay

Receiving a grant from The Ministry of Health and Care Services for the research stay at the Mycology Reference Laboratory of the Spanish National Center for Microbiology, Instituto de Salud Carlos III, Spain for a period of six months from 7th May 2018 to 30th November 2018.