

## CURRICULUM VITAE

### **Shirin Farahyar**

Associate Professor of Medical Mycology  
 Dept. of Parasitology and Mycology  
 School of Medicine – Iran University of  
 Medical Sciences

شیرین فرهیار  
 دانشیار قارچ شناسی پزشکی  
 گروه انگل شناسی و قارچ شناسی  
 دانشکده پزشکی - دانشگاه علوم پزشکی ایران

ایمیل: [farahyar.sh@iums.ac.ir](mailto:farahyar.sh@iums.ac.ir); [farahyar3@gmail.com](mailto:farahyar3@gmail.com)

سوابق تحصیلی

کارشناسی: میکروبیولوژی – دانشکده علوم – دانشگاه تهران  
 کارشناسی ارشد: قارچ شناسی پزشکی – دانشکده پزشکی – دانشگاه تربیت مدرس  
 دکتری تخصصی (PhD) : قارچ شناسی پزشکی – دانشکده بهداشت – دانشگاه علوم پزشکی تهران

#### سابقه تدریس و فعالیت های آموزشی

- تدریس نظری و عملی قارچ شناسی پزشکی دانشجویان پزشکی
- تدریس نظری و عملی دروس مقدمات قارچ شناسی، بیماریهای قارچی سطحی و جلدی، بیماریهای قارچی زیر جلدی و بیماریهای قارچی احشائی و ایمنی شناسی قارچها در مقطع کارشناسی ارشد قارچ شناسی پزشکی
- تدریس عملی قارچ شناسی پزشکی واحد کارورزی دستیاران پوست
- تدریس عملی قارچ شناسی پزشکی واحد کارورزی دستیاران پاتولوژی
- تدریس عملی و تئوری درس قارچ شناسی پزشکی مقطع کارشناسی و کارданی علوم آزمایشگاهی
- تدریس عملی و تئوری درس قارچ شناسی پزشکی مقطع کارشناسی پرستاری و مامایی
- تدریس عملی و تئوری درس قارچ شناسی پزشکی مقطع کارشناسی ارشد میکروب شناسی
- تدریس عملی و تئوری درس قارچ شناسی پیشرفته و کاربردی مقطع Ph.D انگل شناسی
- تدریس نظری و عملی قارچ شناسی پزشکی دانشجویان پزشکی خارجی
- تدریس نظری و عملی قارچ شناسی پزشکی دانشجویان داروسازی خارجی
- تدریس نظری قارچ شناسی پزشکی دانشجویان دندانپزشکی خارجی

#### مسئلیت های آموزشی:

نماینده گروه در کمیته تحصیلات تکمیلی (در ارتباط با پایان نامه های قارچ شناسی)  
 استاد مشاور دانشجویان پزشکی  
 معاون آموزشی (بخش قارچ شناسی)  
 مسئول درس قارچ شناسی (نظری و عملی) دانشجویان پزشکی ایرانی و خارجی  
 مسئول درس های: بیماری های قارچی سطحی و جلدی، بیماری های قارچی زیرجلدی و مخاطی (نظری و عملی) دانشجویان کارشناسی ارشد قارچ شناسی

## Published articles

Sina Shamsaei, Mehraban Falahati\*, **Shirin Farahyar**, Omid Raiesi, Leila Haghghi, Hamed Eraghiye Farahani, Asghar Akhavan, Alireza Shamsaei, Mohammad Yarahmadi, Mahyar Keymaram  
Acute invasive fungal rhinosinusitis: Molecular identification and update in management of frozen section biopsy.

Microbial Pathogenesis 2021, <https://doi.org/10.1016/j.micpath.2021.105125>

Tandis Razavi, Mehraban Falahati,\*, Shahram Teimourian, \*\*, **Shirin Farahyar**,  
Vahid Babaei, Niloufar Majdabadi  
HLA-DRB1 alleles as predisposing and resisting factor in women suffering  
from vulvovaginal candidiasis. 2021, Journal de mycologie médicale (Journal of medical mycology).  
<https://doi.org/10.1016/j.mycmed.2021.101200>.

Tandis Razavi, Mehraban Falahati, Shahram Teimourian, **Shirin Farahyar**, Vahid Babaei,  
Niloufar Majdabadi, Elnaz Iraji.  
Investigating the expression of ALS2 and ALS9 genes along with allele frequency of ALS9 in patients with  
vulvovaginal candidiasis. Infection, Genetics and Evolution,  
<https://doi.org/10.1016/j.meegid.2020.104253>.

**Shirin Farahyar**\*, Samira Izadi, Elham Razmjou, Mehraban Falahati, Maryam Roudbary, Mahtab Ashrafi-Khozani, Saham Ansari, Azam Fattahi, Zahra Ghahri-Mobaser, Maryam Rahimi  
Low prevalence of antifungal resistant *Candida africana*, in the *C. albicans* complex causing vulvovaginal candidiasis  
Heliyon 2020 Mar 19;6(3):e03619. doi: 10.1016/j.heliyon.2020.e03619. eCollection 2020 Mar.

**Shirin Farahyar**\*, Zahra Ghahri Mobaser, Elham Razmjou, Maryam Roudbary, Maryam Rahimi and Azam Fattahi  
Molecular investigation of etiologic agents causing vulvovaginal candidiasis.  
Jundishapur J Microbiol. 2020 August; 13(8):e106070.

Tandis Razavi, Mehraban Falahati, Shahram Teimourian, **Shirin Farahyar**, Vahid Babaei, Niloufar Majdabadi, Elnaz Iraji  
Investigating the expression of ALS2 and ALS9 genes along with allele frequency of ALS9 in patients with  
vulvovaginal candidiasis.  
Infection, Genetics and Evolution 82 (2020) 104253

F. Zaini, E. Lotfali, A. Fattahi,\*, E. Siddig, **S. Farahyar**, E. Kouhsari, M. Saffari

Voriconazole resistance genes in *Aspergillus flavus* clinical isolates.

Journal de Mycologie Médicale 30 (2020) 100953.

<https://doi.org/10.1016/j.mycmed.2020.100953>

Fatemeh Sadeghi, Fatemeh Peymaei, Mehraban Falahati, Elaheh Safari,

**Shirin Farahyar**, Shahla Roudbar Mohammadi, Maryam Roudbary

The effect of *Candida* cell wall beta-glucan on treatment-resistant LL/2 cancer cell line: in vitro evaluation.

Molecular Biology Reports, April 2020, <https://doi.org/10.1007/s11033-020-05459-7>

Halala Khalandi, Leila Masoori, **Shirin Farahyar**, Ali Akbar Delbandi, Omid Raiesi, Ali Farzanegan, Ghafour Khalandi, Shahram Mahmoudi, Tayebeh Erfanirad, and Mehraban Falahati\*

Antifungal activity of capric acid, nystatin, and fluconazole and their in vitro interactions against *Candida* isolates from neonatal oral thrush.

ASSAY and Drug Development Technologies, April 2020, VOL. 18 NO. 3

<https://doi.org/10.1089/adt.2020.971>

Amir Arastehfar, Farnaz Daneshnia, **Shirin Farahyar**, Wenjie Fang, Maryam Salimi,

Mohammadreza Salehi, Ferry Hagen, Pan Weihua, Maryam Roudbary and Teun Boekhout

Incidence and spectrum of yeast species isolated from the oral cavity of Iranian patients suffering from hematological malignancies. Journal of oral microbiology 2019, VOL. 11, 1601061,

<https://doi.org/10.1080/20002297.2019.1601061>

Niloufar Majdabadi, Mehraban Falahati, Fariba Heidarie-Kohan, **Shirin Farahyar**,

Parvaneh Rahimi-Moghaddam, Mahtab Ashrafi-Khozani, Tandis Razavi, and Sina Mohammadnejad

Effect of 2-Phenylethanol as antifungal agent and common antifungals

(amphotericin B, fluconazole, and itraconazole) on *Candida* species isolated from chronic and

recurrent cases of candidal vulvovaginitis. Assay and drug development technologies, April 2018, Volume.

16 NO. 3. doi: 10.1089/adt.2017.837.

Nayereh Ghods, Mehraban Falahati\*, Maryam Roudbarya\*, **Shirin Farahyar**, Masoud Shamaei, Mahin Pourabdollah, Farhad Seif.

Differential role of gpaB and sidA gene expressions in relation to virulence in *Aspergillus* species from patients with invasive aspergillosis. Brazilian Journal of Microbiology. Available online 3 February 2018.

<https://doi.org/10.1016/j.bjm.2017.10.003>

S Khedri, ALS Santos, M Roudbary, R Hadighi, M Falahati, **S Farahyar**, M Khoshmirsafa, S Kalantari.

Iranian HIV/AIDS patients with oropharyngeal candidiasis: identification, prevalence and antifungal susceptibility of *Candida* species. Letters in applied microbiology. Volume 67, Issue 4, 1 October 2018.

<https://doi.org/10.1111/lam.13052>.

Masoome Ekhtiari, **Shirin Farahyar**\*, Mehraban Falahati, Elham Razmjou, Mahtab Ashrafi-Khozani, Zeinab Ghasemi, Ziba Abbasi-Nejat. The first report of onychomycosis caused by *Cryptococcus friedmannii* (*Naganishia friedmannii*) a basidiomycetous yeast.

Medical Mycology Case Reports. On line 2017. <http://dx.doi.org/10.1016/j.mmcr.2017.01.002>.

Ziba Abbasi Nejat, **Shirin Farahyar\***, Mehraban Falahati, Mahtab Ashrafi Khozani, Aga Fateme Hosseini, Azamsadat Faiazy, Masoome Ekhtiari and Saeideh Hashemi-Hafshenjani.

Molecular identification and antifungal susceptibility pattern of non-albicans *candida* species isolated from vulvovaginal candidiasis. Accepted 7 January 2017. Iran. Biomed. J. 22 (1): 33-41.

Falahati M, Ghanbari S, Ebrahimi M, Ghazanfari M, Bazrafshan F, **Farahyar S**, Falak R.

Fractionation and identification of the allergic proteins in *Aspergillus* species. Curr Med Mycol. 2017; 2(4): 37-45. doi: 10.18869/acadpub.cmm.2.4.37.

Falahati M, **Farahyar S**, Akhlaghi L, Mahmoudi S, Sabzian K, Yarahmadi M, Aslani R\*

Characterization and identification of candiduria due to *Candida* species in diabetic patients.

Current Medical Mycology, 2016, 2(3): 10-14. doi: 10.18869/acadpub.cmm.2.3.10.

Ali Kanani, Farideh Zaini, Parivash kordbacheh, Mehraban Falahati, Sasan Rezaie, Roshanak Daie, **Shirin Farahyar**, Mahin Safara, Roohollah Fateh, Ebrahim Faghiloo, Azam Fattahi, and Mansour Heidari.\* Identification of azole resistance markers in clinical isolates of *Candida tropicalis* using cDNA-AFLP method. Journal of Clinical Laboratory Analysis. 2015. doi 10.1002/jcla.21847.

Mehraban Falahati, Aynaz Ghojoghi, Mahdi Abastabar, Zeinab Ghasemi, **Shirin Farahyar**, Maryam Roudbary, Mohammad Taghi Hedayati, Mojtaba Taghizadeh Armaki, Akbar Hoseinnejad.

The first case of total dystrophic onychomycosis caused by *Aspergillus clavatus* resistant to antifungal drugs. Mycopathologia, October 2015. doi 10.1007/s11046-015-9954-6.

**Shirin Farahyar**, Farideh Zaini, Parivash Kordbacheh, Sasan Rezaie, Mehraban Falahati, Mahin Safara, Reza Raoofian, Kamran Hatami, Masoumeh Mohebbi, and Mansour Heidari.

Expression of efflux pumps and fatty acid activator one genes in azole resistant *Candida glabrata* isolated from immunocompromised patients. Acta medica Iranica, Accepted: 05 Dec. 2015.

Azam Fattahi, Farideh Zaini, Parivash Kordbacheh, Sasan Rezaie, Mahin Safara, Roohollah Fateh, **Shirin Farahyar**, Ali Kanani, and Mansour Heidari.

Evaluation of mRNA expression levels of *cyp51A* and *mdr1*, candidate genes for voriconazole resistance in *Aspergillus flavus*. Jundishapur J Microbiol. 2015;8(12):e26990.

Roohollah Fateh, Farideh Zaini\*, Parivash Kordbacheh, Mehraban Falahati, Sasan Rezaie, Roshanak Daie Ghazvini, Nahid Borhani, Mahin Safara, Azam Fattahi, Ali Kanani, **Shirin Farahyar**, Manzar Bolhassani, and Mansour Heidari.

Identification and sequencing of *Candida krusei* aconitate hydratase gene using rapid amplification of cDNA ends method and phylogenetic analysis. Jundishapur J Microbiol. 2015;8(11):e25218.

doi: 10.5812/jjm.25218.

Aynaz Ghojoghi, Mehraban Falahati\*, Abdol Sattar Pagheh, Mahdi Abastabar, Zinab Ghasemi, Saham Ansari, **Shirin Farahyar**, Maryam Roudbary.

Molecular identification and epidemiological aspects of dermatophytosis in Tehran, Iran.

Research in Molecular Medicine, 2015, Vol: 3, Issue: 3.

**Shirin Farahyar**, Farideh Zaini\*, Parivash Kordbacheh, Sasan Rezaie, Mahin Safara, Reza Raoofian and Mansour Heidari\*

Overexpression of aldo-keto-reductase in azole-resistant clinical isolates of *Candida glabrata* determined by cDNA-AFLP. DARU Journal of Pharmaceutical Sciences 2013, Jan 2;21(1): doi: 10.1186/2008-2231-21-1.

M.J. Najafzadeh, A. Fata \*, A. Naseri, M. Saradeghi Keisari, **S. Farahyar**, M. Ganjbakhsh, M. Ziaeef, S. Dolatabadi, G.S. de Hoog.

Implantation phaeohyphomycosis caused by a non-sporulating Chaetomium species. Journal De Mycologie Médicale. September 2013, <http://dx.doi.org/10.1016/j.mycmed.2013.09.007>.

F Zaini, A Kanani, M Falahati, R Fateh, M Salimi-Asl, N Saemi, **Sh Farahyar**, A Kargar Kheirabad, M Nazeri.

Identification of *Prototheca zopfii* from Bovine Mastitis. Iranian Journal of Public Health. Vol. 41, No.8, Aug 2012, pp. 84-88.

Falahati M, Assadi M, Bahman Soufiani K, Barzegar G, **Farahyar S**, Nozari S. Comparative assessment of effects of ketoconazole, miconazole, clotrimazole and fluconazole against candidal species isolated from oral mucosa of patients with Down's Syndrome. American Journal of Scientific Research. ISSN 2301-2005 Issue 82 December, 2012, pp.13-21.

Emami S\*, Foroumadi A, Falahati M, Lotfali E, Rajabalian S, Ebrahimi SA , **Farahyar S**, Shafiee A. 2-Hydroxyphenacyl azoles and related azolium derivatives as antifungal agent. Bioorg Med Chem Lett. 2008. Jan 1;18(1): 141-6. doi:10.1016/j.bmcl.2007.10.111.

## International Congress

- 1) **Sh. Farahyar**, A. Zavarani Hosseini, MH.Yadegari. Study of intracellular killing of *Candida*. 11<sup>th</sup> International Congress of Parasitology 6-11 August 2006 Scot land, UK
- 2) M. Falahati , M.M.A. Roodaki, M. shabani, F. Jahanbani, KP. Bagheri, **Sh. Farahyar**. Antifungal and interactive effects of NO donor complexes and common antifungal drugs on *Candida* species and *Cryptococcus*. 5<sup>th</sup> European Congress on Tropical Medicine and International Health, 24-28 May 2007 Amsterdam the Netherlands
- 3) M.Falahati , M.M.A. Roodaki, F.Jahanbani, **Sh.Farahyar**. Antifungal activity and interaction effect of NO donor complexes and terbinafin against dermatophytes. 3<sup>rd</sup> Trends in Medical Mycology 28-31 October 2007, Turin, Italy
- 4) **Sh.Farahyar**, M.Falahati , N.Omidi Tabrizi, F. Jahanbani. Antifungal activity of *Eucalyptus camaldulensis* on *dermatophytes* . Xth European Multicolloquium of Parasitology .24<sup>th</sup> – 28<sup>th</sup> August 2008 Paris-France.
- 5) S. Emami, A.Foroumadi, M. Falahati, E.Lotfali, S.Rajabalian, SA.Ebrahimi , **S.Farahyar**, Shafiee. 2-Hydroxyphenacyl azoles and related azolium derivatives as antifungal agent in vitro. 6th European Congress on Tropical Medicine and International Health, 6<sup>th</sup> – 10<sup>th</sup> September, 2009, Verona, Italy.
- 6) M. Falahati, F. Zaini, A. Kanani, **S.Farahyar**, H. Oormazdi, A. Yazdanparast. Frequency determination genotype of *Prototheca zopfii* in bovine with and without mastitis in Isfahan – Iran. The XIIth International Congress of Parasitology. Melbourne, Australia, 15th – 20<sup>th</sup> August 2010.
- 7) **S. Farahyar**, F. Zaini, P. Kordbacheh, S. Rezaie, M. Safara, R. Raoofian, M. Heidari

Association of azole resistance in *C. glabrata* with overexpression of fatty acid activator 1 gene. 8th European Congress on Tropical Medicine and International Health, 10<sup>th</sup> – 13<sup>th</sup> September, 2013, Copenhagen, Denmark.

خلاصه مقاله های کنگره ها در مجله بین المللی : ISI  
**( Tropical Medicine & International Health )**

- 1) S. Emami, A. Foroumadi, M. Falahati, E. Lotfali, SA. Ebrahimi, S. Rajabalian, A. Shafiee, **S. Farahyar\***. 2-Hydroxyphenacyl azoles and related azonium derivatives as antifungal agents in vitro Tropical Medicine & International Health, September, 2009, Volume 14, Supplement 2, Page 159
- 2) M. Falahati , M.M.A. Roodaki, M. shabani, F. Jahanbani, KP. Bagheri, **Sh. Farahyar\***. Antifungal and interactive effects of NO donor complexes and common antifungal drugs on *Candida* species and *Cryptococcus*.Tropical Medicine and International Health, May, 2007, Volume 12, Supplement 1, Page 190
- 3) Association of azole resistance in *C. glabrata* with overexpression of fatty acid activator 1 gene. **S. Farahyar\***, F. Zaini, P. Kordbacheh, S. Rezaie, M. Safara, R. Raoofian, M. Heidari Tropical Medicine and International Health, September, 2013, Volume 18, Issue Supplement s1, Page 178