

Setareh Agha Kuchak Afshari
CV (Curriculum Vitae)

➤ **Personal Information**

- **First Name:** Setareh
- **Last Name:** Agha Kuchak Afshari
- **Date of Birth:** 30/03/1985
- **Place of birth:** Tehran, Iran
- **Nationality:** Iranian
- **Marital Status:** Single
- **Address:** Department of Medical Mycology and Parasitology, Kerman University of Medical Sciences, Kerman, Iran.
- **E-mail:** s.afshari@kmu.ac.ir, afshari_setareh@yahoo.com
- **Tel:** +98 9126708421
- **Present Status:** Assistant professor; Ph.D.



➤ **Educational Records:**

- ❖ **03/2013- 12/2017:** Ph.D. Medical Mycology, Tehran University of Medical Sciences, Department of Medical Mycology and Parasitology
- ❖ **09/2010- 03/2012:** MSc. Medical Mycology, Mazandaran University of Medical Sciences, Department of Medical Mycology and Parasitology

➤ **Awards and Honors:**

- **2013** Ranked 2 in nationwide entrance exam for Doctorate degree in Medical Mycology
- Top graduate student award from Mazandaran University of Medical Sciences

➤ **English Journal Publications:**

1. Hamzehee S, Neyestanaki DK, **Agha Kuchak Afshari S**, Mosavi SA. Molecular identification of Candida species, assessment of the antifungal susceptibility and the genetic relationship of Candida albicans isolated from immunocompromised patients in Kerman, Iran. *Gene Reports*. 2019 Aug 30:100484.
2. Gharehbolagh SA, Mahmoudi S, Asgari Y, Rahimi H, **Agha Kuchak Afshari S**, Noorbakhsh F, Rezaie S. Thioredoxin is a potential pathogenesis attribute of Malassezia globosa and Malassezia sympodialis in pityriasis versicolor. *Gene Reports*. 2019 Dec 1;17:100468.
3. Mahmoudi S, **Agha Kuchak Afshari S**, Gharehbolagh SA, Mirhendi H, Makimura K. Methods for identification of Candida auris, the yeast of global public health concern: A review. *Journal de mycologie medicale*. 2019 Apr 26.
4. Aghaei Gharehbolagh S, Kordbacheh P, Hashemi SJ, Daie Ghazvini R, Asgari Y, **Agha Kuchak Afshari S**, Seyedmousavi S, Rezaie S. MGL _3741 gene contributes to pathogenicity of Malassezia globosa in pityriasis versicolor. *Mycoses*. 2018 Dec;61(12):938-44.
5. **S.Agha Kuchak Afshari**, H.Rahimi, S.J.Hashemi, R.Daie Ghazvini, H.Badali, S.Aghaei Gharehbolagh, S.Rezaie. Evaluation of PCR- Reverse Line Blot Hybridization assay for simultaneous identification of medically important saprophytic Fungi. *Journal de mycologie medicale*. 2018 Mar 1;28(1):173-9.
6. Gharehbolagh SA, Nasimi M, **Agha Kuchak Afshari S**, Ghasemi Z, Rezaie S. First case of superficial infection due to Naganishia albida (formerly Cryptococcus albidus) in Iran: A review of the literature. *Current medical mycology*. 2017 Jun;3(2):33.
7. Aala F, Badali H, Fesharaki SH, Boroumand M, Anvari MS, Davari H, , **Agha Kuchak Afshari S**, Khodavaissy S. Coexistence of aspergilloma and pulmonary hydatid cyst in an immunocompetent individual. *Journal de mycologie medicale*. 2017 Sep 1;27(3):396-9.
8. Aghaei H, Kordbacheh P, Kachuei R, Mahmoudi Sh, **Agha Kuchak Afshari S**, Safara M, Zaini F. In vitro antifungal susceptibility testing of clinical and environmental Fusarium isolates in Iran. *Iranian Journal of Clinical Infectious Diseases*. January 2017.
9. Badali H, Rezaie S, Meis JF, **Agha Kuchak Afshari S**, Modiri M, Hagen F, Moazeni M, Mohammadi R, Khodavaissy S. Microsatellite genotyping of clinical Candida parapsilosis isolates. *Current medical mycology*. 2017 Dec;3(4):15.

10. Sasani E, Khodavaissy S, **Agha Kuchak Afshari S**, Darabian S, Aala F, Rezaie S. Pseudohyphae formation in *Candida glabrata* due to CO₂ exposure. *Current Medical Mycology*. 2016;2(4):49.
11. **S. Agha Kuchak Afshari**, T. Shokohi, R. Aghili, H. Badali. Epidemiology and molecular characterization of *Cryptococcus neoformans* isolated from pigeon excreta in Mazandaran province, northern Iran. *Journal de mycologie medicale*. 2012 Jun 1;22(2):160-6.

➤ **National Journal Publications:**

1. Kamali Sarwestani Z, Dasdar A, **Agha Kuchak Afshari S**, Gerami Shoar M, Hashemi SJ, Pakzad R, et al. Evaluation of fungal air contamination in selected wards of two tertiary hospitals in Tehran, Iran. *Tehran University Medical Journal TUMS Publications*. 2017; 75(4):299-306.
2. Khodavaissy S, Mahmoudi S, **Agha Kuchak Afshari S**, Salehi Z, kord M, Badali H. Molecular Techniques in Detection of Triazole-resistance Gene Mutations in Common Pathogenic Fungi. *Journal of Mazandaran University of Medical Sciences*. 2017;27(148):187-202.
3. Salehi Z, **Agha Kuchak Afshari S**, Rezaie S, Mahmoodpour S, Khodavaissy S. A Review of Antimicrobial activity of flavonoids. *Clinical Excellence*. 2017;6(2):12-21.
4. Nabili M, **Agha Kuchak Afshari S**. The role of mycotoxins in cancer. Physician & Laboratory. *Bimonthly Journal in Medical & Laboratory Sciences*. No 42; Feb-May 2010, page 20-24.

➤ **Presented at Conference:**

1. **Setareh Agha Kuchak Afshari**, Sanaz Aghaei Gharehbolagh, Seyed Jamal Hashemi, Roshanak Daie Ghazvini, Sassan Rezaie .Simultaneous Identification of Medically Important Molds Using PCR- Reverse Line Blot Hybridization Assay. 5th Iranian Congress in Medical Mycology, Tehran, Iran. (Oral Presentation)
2. Zainab Bandlizadaeh, Tahereh shokohi, Hamid Badali, Masoud Mardani, Sadegh Khodavaiss, **Setareh Agha Kuchak Afshari**, Kazem Ahmadikia. Genotyping and antifungal susceptibility profile of clinical *Cryptococcus neoformans* species complex. 5th Iranian Congress in Medical Mycology, Tehran, Iran .(Oral Presentation)

3. Khodavaisy, Sh .Hashemi Fesharaki, H. Badali, M. Boroumand, M. Sotoudeh Anvari, M. Gramishoar, Z. Abtahian, **S. Agha Kuchak Afshari**, E. Sasani. Coexistence of aspergilloma and pulmonary hydatid cyst 1st IFRC International Conference on Clinical Mycology: *Aspergillus* and *Aspergillosis*. November 8-10, 2016. Sari, Mazandaran, Iran. (Poster Presentation).
4. **S. Agha Kuchak Afshari**, T. Shokohi, SR. Aghili, H. Badali. Mating type and variety identification of *Cryptococcus neoformans* isolates. 2nd Iranian Congress on Medical Mycology. 12-14 February 2013, Ahwaz, Iran. (Poster Presentation).
5. T. Shokohi, **S. Agha Kuchak Afshari**, R. Aghili, H. Badali. Epidemiology and molecular characterization of *Cryptococcus neoformans* isolated from pigeon excreta in Mazandaran province, northern Iran. 18th Congress of International Society for Human and Animal Mycology (ISHAM). 11-15 June 2012, Berlin, Germany. *Mycoses* 55 (Suppl. 4). (Poster Presentation).
6. **S. Agha Kuchak Afshari**, T. Shokohi. Review of distribution of *Cryptococcus neoformans* in Iran. Annual Student _ Research Congreence of Mazandaran University of Medical Sience, Sari , Iran. 7-9 Febrbruary 2011. (Poster Presentation).
7. **S. Agha Kuchak Afshari**, T. Shokohi, R. Aghili, S. Mayahi. Isolation of *cryptococcus neoformans* from pigeon excreta in Mazandaran province, Iran. 1st International Congress of Iranian Medical Mycology, 3-5 may, 2011 Sari, Iran. (Poster Presentation).
8. M. Nabili, **S. Agha Kuchak Afshari**. Laboratory Diagnosis of Invasive Candidiasis. Second seminar on enteric pathogens. 1-2 November, 2010. Sanandaj, Iran. (Poster Presentation).

➤ **Workshops & Conferences:**

- ✓ Microscopic diagnosis of superficial and cutaneous fungal diseases at the 3rd International & 8th National Congress on Quality Improvement in Clinical Laboratories, 2010.Tehran, Iran.
- ✓ Research, 2009, Mazandaran University of Medical Science, Sari, Iran.
- ✓ Primer designing, Scientific Research Center of Tehran University of Medical Sciences, 2014.Tehran, Iran.
- ✓ Endnote, Iranian Society of Medical Mycology, 2016. Tehran, Iran.
- ✓ Attended at the 3rd International & 8th National Congress on Quality Improvement in Clinical Laboratories, 20-23 May 2010.Tehran, Iran.
- ✓ Attended at the 1st International Congress of Iranian Medical Mycology, 3-5 may, 2011 Sari, Iran.
- ✓ Attended at the 2nd International and 4th Iranian Congress in Medical Mycology, from Bench to Bed, 18-20 Nov 2015. Shiraz, Iran.

- ✓ Attended at the 8th International Congress of Laboratory & Clinic and 1th National Congress of Basic Medical Sciences and the Knowledge-based production. 6-8 Feb 2016. Tehran, Iran.
- ✓ Attended at the 4th Congress on Novel & Innovative Laboratory Technologies, 2016.
- ✓ Attended at the 5th Iranian Congress of Medical Mycology. 2019. Tehran, Iran.
- ✓ Attended at the 11th International Congress of Laboratory & Clinic. 16-18 Jan 2019. Tehran, Iran.

➤ Extracurricular activities:

- Participated in organizing a conference as an Executive Committee member. 1st International Congress of Iranian Medical Mycology, 3-5 May, 2011 Sari, Iran.
- Participated in organizing a conference as an Executive Committee member. 8th International Congress of Laboratory & Clinic and 1th National Congress of Basic Medical Sciences and the Knowledge-based production. 6-8 Feb 2016. Tehran, Iran.
- Selected as Referee Committee in 8th International Congress of Laboratory and Clinic, and 1th National Congress of Basic Medical Sciences and the Knowledge-based production. 6-8 Feb 2016. Tehran, Iran.
- Participated in organizing a conference as an Executive Committee member. The 5th Iranian Congress of Medical Mycology. 2019. Tehran, Iran.
- Participated as a Referee Committee Member of Medical Mycology abstracts in 11th International Congress of Laboratory & Clinic. 16-18 Jan 2019. Tehran, Iran.
- Participated as an Executive Committee member at the 20th International Congress of Microbiology, Kerman, Iran (27-29 August 2019).
- Participated as referee to review the submitted abstracts at the 20th International Congress of Microbiology, Kerman, Iran (27-29 August 2019).

➤ Skills:

- ✓ Microsoft Office (Excel, PowerPoint, Word)
- ✓ Reference manager software (EndNote)
- ✓ Familiar with SPSS
- ✓ Working knowledge of major molecular biology primary and secondary databases.
- ✓ Primer or probe designing programs (Gene Runner, primer3, and etc)
- ✓ Sequence alignment techniques (single and multiple) and programs (BLAST, Clustal, MEGA).
- ✓ Familiar with some software's; Chromas, Jalview, Geneious
- ✓ PCR based methods; conventional PCR, PCR –RFLP, PCR-based reverse line blot hybridization assays and etc.

- ✓ Molecular biology techniques such as RNA/DNA extraction, DNA quantification, Gel-Electrophoresis.
- ✓ Primer & Probe design.
- ✓ Antifungal susceptibility test.

➤ **Research interests:**

- Nosocomial Infections.
- Molecular Epidemiology of Fungal Infection.
- New Molecular Diagnostic Methods in Mycology
- Antifungal Susceptibility and Drug Resistance Mechanisms.