

Biography



Curriculum Vitae

Full Name : Saeideh Amani Ghayyoum

Educaction: Ph.D in Medical Mycology

Phone:+98(045)33516368

Cell phone:+989143585226

Email ; Saidehamani@yahoo.com, Solareclips.sa@gmail.com

Academic Email: s.amanighayoum@arums.ac.ir

Scopus Author ID:

<https://www.scopus.com/authid/detail.uri?authorId=57203887000>

ResearcherID:

<https://www.webofscience.com/wos/author/rid/R-2332-2018/>

Orchid serial:

<https://orcid.org/0000-0001-9550-8787>

Personal

- Date of birth: March 1985
- Place of birth: Islamic republic of Iran- Ardabil
- Sex: Female
- Nationality: Iranian
- Statues: Married- 2 children

Education

- **Ph.D:**

Description: Clinical Mycology, Tarbiat Modares University, Tehran, Iran, Sep 2012- Sep 2017

Thesis title: Study on the Frequency and molecular typing of *Pneumocystis jiroveci* in BAL specimens of positive *tuberculosis* patients by Nested-PCR, RFLP, CSGE and methenamine silver staining Techniques.

- **M.Sc.:**

Description: Clinical Mycology, Tarbiat Modares University, Tehran, Iran,
Sep 2008- Aug 2010

Thesis title: Study of the role of *veA*, *lae A* and *aflR* genes in determining morphological characteristics and cyclopiazonic acid production in *Aspergillus flavus*.

- **B.Sc.:**

Description: Clinical Laboratory Sciences, Mazandaran University, of Medical sciences. Sari, Iran, Sep 2005-July 2007

Publications

- 1) Evaluation of colonization and mutation rate of *Pneumocystis jirovecii* in Tuberculosis non-HIV infected patients **Under publication,2023**
- 2) **S.Amani**, M. Shams-Ghahfarokhi, M. Razzaghi-Abyaneh Expression of *aflR*, *veA* and *laeA* as regulators of aflatoxins and cyclopiazonic acid biosynthesis pathway in *Aspergillus flavus*. *Int J Mol Clin Microbiol*. 2017
- 3) **S.Amani**, M. Shams-Ghahfarokhi, M. Razzaghi-Abyaneh B. Mohammadi ghalebin. Identification of single-base mismatches in *Pneumocystis jirovecii* isolated from Iranian TB positive patients by CSGE Heteroduplex. *Pure and Applied Microbiol* .2017.
- 4) **S.Amani**, M. Shams-Ghahfarokhi • M. Banasaz • M. Razzaghi-Abyaneh, Mycotoxin-Producing Ability & Chemotype Diversity of *Aspergillus* Section Flavi from Soils of Peanut-Growing Regions of Iran. *Indian J of Microbiol*.2012
- 5) B. Mohammadi-ghalehbin, SH. Habibzadeh, M. Arzanlou, R. Teimourpour, **S.Amani GH**. colonization of *Pneumocystis jirovecii* in corticosteroid-received and corticosteroid-non received patients in ICU wards: Airborne transmission approach. *Iranian J pathol*. 2018.
- 6) F. Valedeyni asl, M. Arzanlo, M. Fazlzadeh, **S. Amani GH**, S. Hazrati. Types and concentration of fungal bio-aerosols of indoor air of hospitals in Ardabil. *Iran occupational health J*. 2016

Presentations

- 1) **The Important Aspects of General Health Could be Affected by Mycobiome of Oral Cavity.** 14th International congress of medical Lab. And Clinic, Feb 2023, Tehran, Iran.
- 2) **First trial Technique of Non-Invasive, In-Situ Fluorometric Detection of Onychomycosis.** 10 th Trends in Medical Mycology 2021, Aberdeen, United Kingdom
- 3) **Identification of Encapsulated Viable *Cryptococcus neoformans* in Bronchoalveolar lavage of the Patient with Aactive Pulmonary *Tuberculosis* and relapsing Pneumonia.**20th Congress of the International Society for Human and Animal Mycology (ISHAM), 30June-4July 2018, Amsterdam-Netherlands)
- 4) **Expression role of *Aev*, *laeA* and *aflR* genes involved in Cyclopiazonic acid production ability of *Aspergillus Section Flavi*.** (2nd International and 4th Iranian Congress in Medical Mycology: From Bench to Bed, 18th -20th Nov, 2015- Shiraz, Iran.
- 5) **Identification of *Nocardia* spp. in Suspected TB bronchoalveolar samples by 16S rDNA Gene PCR and modified Ziehl-Neelsen staining technique.** (8th International congress in Laboratory and the Bed. 6-8 Feb, 2015. Tehran, Iran)
- 6) **An Epidemiology survey on *Candida Spp.* isolated from Vulvovaginitis Suspected vaginal samples.** The 9th International & 14th National Congress on Quality Improvement in Clinical Laboratories. April 2016. Tehran, Iran)

- 7) **Molecular characterization of highly susceptible *Candida africana* from vulvovaginal candidiasis in Iran.** (8th International congress in Laboratory and the Bed. 6-8 Feb, 2015. Tehran, Iran)
- 8) ***Candida* spp. colonization on endotracheal tube in intensive care unit Patients.** (9th International congress in Laboratory and the Bed. 2016. Tehran, Iran)
- 9) **Antifungal Effect of Kapiler Herbaceous extract on some of widespread Yeasts and Moulds isolated from Hospital air filterate.** (9th International congress in Laboratory and the Bed. 2016. Tehran, Iran)
- 10) **Analysis of *Aspergillus* spp. spore load in indoor Air samples of Hospitals in Ardabil, Iran.** (1th International Conference on Clinical Mycology , *Aspergillus* and *Aspergilosis*, 8-10 Nov 2016, Sari-Mazandaran-Iran)
- 11) **High susceptibility of *Alternaria* to the tropical herbal extract: The most important black fungi triggers allergies and asthma** (12th International Congress of Laboratory and Clinical Sciences, 12th to 14th December 2019, Tehran-Iran)

Employment Experience

Executive responsibilities:

- Master Technologist of the Medical Laboratories in Deputy of Health, Ardabil University of Medical Sciences, 2007-2017
 - **Head of fungal infection diagnosis**
 - ❖ **Sub responsibilities: microscopic / culture/ molecular detection of mycosis special superficial mycosis**
 - **Manager of medical laboratory affairs**
 - ❖ **Sub responsibilities: correspondent for purchasing laboratory kits and items and close connecting to provider companies- periodic visit and control of Q.C process in laboratories- complain claim revisions and feedback**
 - **Head and Supervisor of clinical laboratories in health center:**

- ❖ Sub responsibilities: settlement of international standards in regional medical laboratories: ISO/TC212 and CLSI guidelines- holding of meeting and educational /practical workshops to enhance employee acknowledgement

Scientific positions:

1. Faculty member of Mycology/Parasitology department, school of medicine, Hormozgan University of Medical Sciences 2017-2020
2. Faculty member of Mycology/Parasitology department, school of medicine, Ardabil University of Medical Sciences : present

Teaching:

1. 2017- 2020- “Medical Mycology” to students of Medicine, Hormozgan University of Medical Sciences
2. 2017- Present “Mycology” to students of Nursing, Midwifery, pharmacy and Laboratory Sciences, Hormozgan University of Medical Sciences
3. 2015- 2017 “Mycology” to students of Medicine, Nursing, Midwifery, Pharmacy and Laboratory Sciences, Ardabil University of Medical Sciences
4. 2020-2023 “Medical Mycology” to students of Medicine, Midwifery, pharmacy, Laboratory Sciences, Dentistry and General health in Ardabil University of Medical Sciences

Awards and appreciation

- 1) I Achieved the **first** score of Tarbiat Modarres University Master Entrance Exam ,Sep 2008

2) I Received the **Research Grant** from the Tarbiat Modares University's Research Deputy, Oct 2008

Thesis Supervised

Medicine students:

The effect of hydroalcoholic extract of dandelion on the expression of p21, p27 and p53 genes in the model of acute renal injury in male Wistar rats (As a consultant)

Evaluation of oral cavity mycobiome and the general health factors in students referring Ardabil dental clinic in 2022 (As an advisor)

The study of frequency of Malassezia the lipophilic fungus in cutaneous manifestations of folliculitis and acne in volunteer students in Ardabil in 1401. (As an advisor)

Evaluation of Fluconazole resistance of Candida species isolated from patients with primary immune deficiency (PIDs) during March 2022-March 2023 (As an advisor)

The evaluation of fungal species involved in invasive Tinea corporis in patients referred to the dermatology clinic in Ardabil in Corona pandemic era during March 2022 to 2023 (As an advisor)

Current Research projects:

1- Investigating the status of aflatoxin in domestically produced and imported corn and assessing their health risk-2023

2-Evaluation of the frequency of fungal species involved in atypical human Dermatophytosis and determination of antibiotic resistance during 2022 to 2023 in Ardabil,

3- Identification of Candida species in patients with primary immune deficiency & evaluation of drug resistance in them, 2022

4-Evaluation of frequency cutaneous folliculitis (Demodex folliculorum, Malassezia, Staphylococcus aureus) in students of Ardabil University of Medical Sciences in 2022

Membership of Scientific Societies:

-Iranian Medical Mycology Society
-ISHAM

INVENTIONS

- Antimicrobial Protective Cover for Microbiology Centrifuge to prevent infectious aerosol distribution in the Medical Laboratories.

RESEARCH INTERESTS

- **Mycotoxins**
- ***Aspergillosis***
- **Black fungi**
- **Quick diagnostic techniques in opportunistic fungal infections**
- **Drug resistance**
- **Candida spp**
- **Dermatophytes**
- **Extraction of Organic Fatty Acids from *Cunninghamella* & *Mortierella***