Curriculum Vitae

First Name: Somayeh

Last Name: Yazdanpanah

Nickname: Samira

Gender: Female

Date of Birth: June 22th, 1983

Place of Birth: Shiraz, Iran

Marital status: Single

Academic Adress: Department of Medical Mycology & Parasitology, School of Medicine, Shiraz University of Medical Sciences

Cell Phone: +98-901-164-7110

Email: samiramiss-m@hotmail.com, yazdanpanah.s@sums.ac.ir

Academic Education:

2018-2023: Ph. D in Medical Mycology
Department of Medical Mycology & Parasitology, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran.
Dissertation: Evaluation the Risk Factors for Fungal Infections Among Solid Organ Transplant Recipients in a Main Referral Transplant Center in Iran (Abu-Ali Sina Transplant Center): Molecular Identification and Antifungal Susceptibility Patterns of Isolates

2013-2016: Master of Science in Medical Mycology
Department of Medical Mycology & Parasitology, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran.
Dissertation: Investigation the effect of some anti- inflammatory drugs on morphogenesis and pathogenesis of *Candida albicans*.

2008-2010: Master Degree in Medical Laboratory Sciences

Shiraz University of Medical Sciences, Shiraz, Iran.

2002-2004: Associate Degree in Medical Laboratory Sciences
Isfahan University of Medical Sciences, Isfahan, Iran.

Educational Enrichment:

- Achievement a superior position in Ph. D Entrance Exam in Medical Mycology. 2018.
- Achievement highest credit among Master of Science Students of Medical Mycology, Shiraz, Iran.2016.
- Membership of Brilliant Talents of Medical Sciences Students.

Memberships:

- International Society for Human and Animal Mycology (ISHAM)
- Iranian Society of Medical Mycology (ISMM)
- American Society for Microbiology (ASM)
- Medical Council, Iran.

Specializations:

Main field: Medical Mycology (Identification of fungal infection referring to Medical Mycology reference laboratory), Antimicrobial Activity of Different Natural/Synthethic Compounds and Materials

Skills and Expertise:

- Clinical mycology (Direct examination/Culture)
- Molecular methods (PCR; Multiplex-PCR; RFLP; Nested-PCR; Real-Time PCR)
- Antimicrobial susceptibility tests (Macro & Micro dilution, Agar dilution, Diffusion assays)
- Checkerboard method
- Antimicrobial activity of nanoparticles/Essential oils and extracts
- Electrophoresis (ID, CIE…)
- Immunoblotting
- Cloning
- Biofilm assay (XTT, Crystal violet)
- Antimicrobial textiles testing
- Detection the virulence factors
- Flow Cytometry
- SPSS statistical analysis program/GraphPad Prism
- Bioinformatic Sciences

- **H index (Google Scholar): 13**
- **Total citations received (Google Scholar): 648**
- **No. of first author articles: 9**

https://scholar.google.com/citations?user=-Js2cooAAAAJ

Published Articles:

1. Clinical Characteristics and Outcomes of Colonization and Infection by Yeast Species in Solid Organ Transplant Recipients: Molecular Identification and Antifungal Susceptibility Patterns of Isolates.
   Somayeh Yazdanpanah, Mojtaba Shafiekhani, Mohammad Ahmadi, Zahra Zare , Hamed Nikoupour, Sara Arabsheybani, Bita Geramizadeh, Mohammad-Hossein Anbardar, Parisa Chamanpara, Hamid Badali, Mohsen Moghadami, Keyvan Pakshir, Kamiar Zomorodian. Medical Mycology.2024.

2. Species distribution and antifungal susceptibility patterns of Candida involvement in pediatric solid organ transplant recipients: A cross-sectional study from a single …
   Somayeh Yazdanpanah, Mojtaba Shafiekhani, Zahra Zare, Hamed Nikoupour, Bita Geramizadeh, Parisa Chamanpara, Ahmad Jabrodini, Mohammad Ahmadi, Zahra Malekizadeh, Mohammad Hossein Anbardar, Keyvan Pakshir, Kamiar Zomorodian. Journal of Medical Mycology.2025.

3. Resistance or Decreased Susceptibility to Fluconazole in *Candida* Species Isolated from Solid Organ Transplant Recipients: An Emerging Challenge.
   Somayeh Yazdanpanah, Ahmad Jabrodini, Mojtaba Shafiekhani, Hamed Nikoupour, Bita Geramizadeh, Mohammad Hossein Anbardar, Maryam Gashtasebi, Mohsen Moghadami, Keyvan Pakshir, Kamiar Zomorodian. International Journal of Organ Transplantation Medicine.2024.

4. Exploring the anti-biofilm and gene regulatory effects of anti-inflammatory drugs on Candida albicans
   Somayeh Yazdanpanah, Mojtaba Shafiekhani, Mina Emami, Hossein Khodadadi, Keyvan Pakshir, Kamiar Zomorodian. Naunyn-Schmiedeberg's Archives of Pharmacology.2025.

5. Evaluation of the Performance of the Dynamiker Fungus (1-3)-β-D-Glucan and Fungitell Assay for Diagnosis of Candidemia: Need for New Cut-off Development and Test Validation.
   Somayeh Yazdanpanah, Maryam Rahbarmah, Marjan Motamedi, Hossein Khodadadi. Diagnostic Microbiology and Infectious Disaese.2024.

6. Species distribution and antifungal susceptibility profiles of yeasts isolated from onychomycosis: a cross-sectional study with insights into emerging species.
   Somayeh Yazdanpanah, Ahmad Jabrodini, Marjan Motamedi, Kamiar Zomorodian, Mahboobeh Kharazi, Shafigheh Shabanzadeh, Farnia Ghasemi, Sahar Shariat, Maryam Rezaei Arab. Antonie van Leeuwenhoek.2024.

7. Assessment of Risk Factors and Clinical Outcomes in Hospitalized COVID-19 Patients with Candida spp. Co-infections: Species Distribution and Antifungal Susceptibility Patterns.

Somayeh Yazdanpanah, Mohammad Ahmadi, Zahra Zare, Hamed Nikoupour, Sara Arabsheybani, Ahmad Jabrodini, Esmaeel Eghtedarnejad, Parisa Chamanpara, Bita Geramizadeh, Mohammad Hossein Anbardar, Zahra Malekizadeh, Maryam Gashtasebi, Mehdi Mohsenzadeh, Mojtaba Shafiekhani, Kamiar Zomorodian. Mycopathologia. 2022.

8.Quantitative analysis of *in vitro* biofilm formation by clinical isolates of dermatophyte and antibiofilm activity of common antifungal drugs.
Somayeh Yazdanpanah, Forozan Sasanipoor, Hossein Khodadadi, Ali Rezaei-Matehkolaei, Farideh Jowkar, Kamiar Zomorodian, Mahboobeh Kharazi, Tooba Mohammadi, Sadegh Nouripour-Sisakht, Reza Nasr, Marjan Motamedi. International Journal of Dermatology. 2022.

9.Antifungal properties of carvone and linalool against Malassezia species: Preliminary Screening Study.
Somayeh Yazdanpanah, Aida Iraji, Solmaz Mirzamohammadi, Kamiar Zomorodian
Current Medical Mycology.2024.

10. Virulence factors of *Candida* spp. isolated from COVID-19 patients: hydrolytic enzyme activity and biofilm formation
Ahmad Jabrodini, **Somayeh Yazdanpanah**, Mina Malekzadeh, Shafigheh Shabanzadeh, Maryam Ahmadyan, Keyvan Pakshir, Kamiar Zomorodian. BMC Microbiology.2025

11.Species identification, antifungal susceptibility patterns, and vitamin D3 level in women with vaginal candidiasis: a case–control study in Iran.
Rahil Maani-Shirazi, **Somayeh Yazdanpanah**, Maryam Yazdani, Kamiar Zomorodian, Amin Ayatollah-Mosavi. Women & Health.2023.

12.Multifunctional Bi-layer collagen nanofiber-collagen/PLLA/Zataria multiflora essential oil nanofiber for wound healing: Antibacterial, antifungal and antioxidant properties.
Mina Emami, Kamiar Zomorodian, **Somayeh Yazdanpanah**, Younes Ghasemi, Esmaeil Mirzaei, Mohammad Ali Derakhshan. Journal of Drug Delivery Science and Technology.2023

13.[1, 2, 4] triazolo [3, 4-b][1, 3, 4] thiadiazole derivatives as new therapeutic candidates against urease positive microorganisms: design, synthesis, pharmacological .
Minoo Khalili Ghomi, Milad Noori, Mohammad Nazari Montazer, Kamiar Zomorodian, Navid Dastyafteh, **Somayeh Yazdanpanah**, Mohammad Hosein Sayahi, Shahrzad Javanshir, Abbas Nouri, Mehdi Asadi, Hamid Badali, Bagher Larijani, Cambyz Irajie, Aida Iraji, Mohammad Mahdavi. Scientific Reports. 2023.

14.New thioxothiazolidinyl-acetamides derivatives as potent urease inhibitors: design, synthesis, in vitro inhibition, and molecular dynamic simulation.
Navid Dastyafteh, Milad Noori, Mohammad Nazari Montazer, Kamiar Zomorodian, **Somayeh Yazdanpanah**, Aida Iraji, Minoo Khalili Ghomi, Shahrzad Javanshir, Mehdi Asadi, Mehdi Dianatpour, Mahmood Biglar, Bagher Larijani, Massoud Amanlou, Mohammad Mahdavi.Scientific Reports.2023.

15. Vitamin D3: A Promising Antifungal and Antibiofilm Agent Against *Candida* Species. Zahra Kherad, **Somayeh Yazdanpanah**, Farshid Saadat, Keyvan Pakshir, Kamiar Zomorodian. Current Medical Mycology.2023

16. Direct molecular analysis of Malassezia species from the clinical samples of patients with pityriasis versicolor.
Esmaeil Eghtedarnejad, Somayeh Khajeh, Kamiar Zomorodian, Zeinab Ghasemi, **Somayeh Yazdanpanah**, Marjan Motamedi.Current Medical Mycology.2023

17. Frequency of *Candida* species in Iranian pediatric heart transplant recipients with and without diarrhea using PCR-RFLP and sequencing.
Marjan Motamedi, Keyvan Pakshir, Shirin Sayyahfar, Mohammad Mahdavi, **Somayeh Yazdanpanah**, Borna Salemi. International Journal of Organ Transplantation Medicine.2023

18. Epidemiology, clinical features, therapeutic interventions and outcomes of mucormycosis in Shiraz: an 8-year retrospective case study with comparison between children and adults.
Marjan Motamedi, Zahra Golmohammadi, **Somayeh Yazdanpanah**, S Mojtaba Saneian, Mojtaba Shafiekhani. Scientific Reports. 2022.

19. Evaluation of different DNA extraction methods based on steel-bullet beating for molecular diagnosis of onychomycosis.
Marjan Motamedi, Abdulbaqi Amini, **Somayeh Yazdanpanah**, Mozhgan Mahmoodi, Hossein Khodadadi, Hamidreza Zalpoor. Journal of Clinical Laboratory Analysis. 2022.

20. Design and synthesis of novel nitrothiazolacetamide conjugated to different thioquinazolinone derivatives as anti-urease agents.
Marzieh Sohrabi, Mohammad Nazari Montazer, Sara Moghadam Farid, Nader Tanideh, Mehdi Dianatpour, Ali Moazzam, Kamiar Zomorodian, **Somayeh Yazdanpanah**, Mehdi Asadi, Samanesadat Hosseini, Mahmood Biglar, Bagher Larijani, Massoud Amanlou, Maliheh Barazandeh Tehrani, Aida Iraji, Mohammad Mahdavi. Scientific reports. 2022.

21. Design and *in vitro* antifungal activity of Nystatin loaded chitosan-coated magnetite nanoparticles for targeted therapy.
Kamiar Zomorodian**,** Hamed Veisi, **Somayeh Yazdanpanah**, Sajad Najafi, Aida Iraji, Saba Hemmati, Bikash Karmakar ,Hojat Veisi. Inorganic and Nano-Metal Chemistry. 2021.

22. Chemical composition and antifungal activities of aromatic water of *Zataria multiflora* Boiss.
Ali Arabi Monfared, Maryam Yazdanpanah, Zahra Zareshahrabadi, Keyvan Pakshir, Mehdi Ghahartars, Davood Mehrabani, **Samira Yazdanpanah**, Aida Iraji, Kamiar Zomorodian. Current Medical Mycology. 2021.

23. Screening the antifungal activities of monoterpenes and their isomers against *Candida* species.

Aida Iraji, **Somayeh Yazdanpanah**, Forough Alizadeh, Soolmaz Mirzamohammadi, Younes Ghasemi, Keyvan Pakshir, Y Yang, K Zomorodian. Journal of Applied Microbiology. 2020.

24. Levels of zinc and vitamin D3 in patients with pityriasis versicolor: A study in Southern Iran, Shiraz.
Mehdi Ghahartars, Maryam Ahmadyan, Maryam Salimkhanian, **Somayeh Yazdanpanah**, Mohammad Mahdi Parvizi, Kamiar Zomorodian. Dermatologic Therapy. 2020.

25. Evaluation of electrospun poly (vinyl alcohol)-based nanofiber mats incorporated with *Zataria multiflora* essential oil as potential wound dressing.
Niloofar Torabi Ardekani, Mohammad Khorram, Kamiar Zomorodian, **Somayeh Yazdanpanah**, Hamed Veisi, Hojat Veisi. International journal of biological macromolecules. 2019.

26. Green synthesis of spherical silver nanoparticles using Ducrosia anethifolia aqueous extract and its antibacterial activity.
Mohammad Amin Jadidi Kouhbanani, Nasrin Beheshtkhoo, Pourya Nasirmoghadas, **Samira Yazdanpanah**, Kamiar Zomorodianc, Saeed Taghizadeh, Ali Mohammad Amani. Journal of Environmental Treatment Techniques. 2019.

27. Epidemiology of candidemia in Shiraz, southern Iran: A prospective multicenter study (2016–2018).
Amir Arastehfar, **Samira Yazdanpanah**, Mina Bakhtiari, Wenjie Fang, Weihua Pan, Shahram Mahmoudi, Keyvan Pakshir, Farnaz Daneshnia, Teun Boekhout, Macit Ilkit, David S Perlin, Kamiar Zomorodian, Farid Zand. Medical Mycology. 2018.

28. Modified magnetic nanoparticles by PEG-400-immobilized Ag nanoparticles (Fe3O4@ PEG–Ag) as a core/shell nanocomposite and evaluation of its antimicrobial activity.
Kamiar Zomorodian, Hamed Veisi, Seyed Mahmoud Mousavi, Mahmoud Sadeghi Ataabadi, **Somayeh Yazdanpanah**, Jafar Bagheri, Ali Parvizi Mehr, Saba Hemmati, Hojat Veisi. International Journal of Nanomedicine. 2018.

29. Synthesis of some quinazolinone derivatives using magnetic nanoparticles-supported tungstic acid as antimicrobial agents.
Masoumeh Divar, Kamiar Zomorodian, Sorayya Bastan, **Somayeh Yazdanpanah**, Soghra Khabnadideh. Journal of the Iranian Chemical Society. 2018.

30. Susceptibility of *Candida albicans* and *Candida dubliniensis* to photodynamic therapy using four dyes as the photosensitizer.
Nasim Hosseini, **Samira Yazdanpanah**, Maryam Saki, Fahimeh Rezazadeh, Janan Ghapanchi, Kamiar Zomorodian. Journal of Dentistry. 2016.

31. Design and Antifungal Activity of Fluconazole and Nystatin Loaded onto Silica Mesoporous.

Ali Arabi Monfared, Forough Karami, Ardeshir Shokrollahi, **Somayeh Yazdanpanah**, Taleb Sepehr, Kamiar Zomorodian. Pharmaceutical Chemistry Journal.2023.

32. Molecular identification and antifungal susceptibility profile of rare and emerging yeast species causing onychomycosis
Ahmad Jabrodini, Esmaeel Eghtedarnejad, Amirmahdi Ghanbarzadeh, Marjan Motamedi, Mohammad Jafari, Mahboobeh Kharazi, **Somayeh Yazdanpanah**, Hossein Khodadadi
BMC Research Notes.2025.

Professional Research Experiences as Main Assistant

(Submitted in Research System of Deputy of Research & Technology, Shiraz University of Medical Sciences)

1- Study of antifungal susceptibility of *Trichophyton indotineae* strains isolated from patients referred to the Shiraz medical school.2024.
2- Determination the inhibitory effect of supernatant derived from human bone marrow mesenchymal cell in comparison with fluconazole on changes in ALS3 gene expression in yeast isolates causing *candida* vulvovaginitis.2023
3- Determination the antifungal activity, inhibition of biofilm and germ tube formation of *Candida* species by new triazole derivatives. 2023.
4- Comparison study of Antifungal properties of *Foeniculum vulgare Mill* essential oil and the active ingredient anethole against common fungal agents.2023.
5- Evaluation the antimicrobial effects of copper nanoparticles synthesized by the green method by broth microdilution and disk diffusion assay.2023.
6- Epidemiology, risk factors, species distribution and antifungal susceptibility patterns of yeast species isolated from patients with intestinal failure receiving TPN.2023.
7- Determination the synergistic effects of fluconazole and saponin on clinical isolates of *Candida*.2023.
8- Molecular Characterization of fungal contamination of home and hospital washing machines.2022
9- Investigating the in-vitro drug susceptibility of yeast agents causing onychomycosis against the drugs sertaconazole, fluconazole, miconazole and clotrimazole using broth microdilution method.2022
10- Evaluation the biofilm-mass formation, proteolytic, hemolysin and phospholipase activity of *Candida* species isolated from COVID-19 patients.2022.
11- Design and evaluation a recombinant multiepitope antigen for diagnosis of *Candida* infections.2022.
12- Assessment the risk factors and clinical outcomes of *Candida* respiratory colonization in ICU patients with ventilator-associated-pneumonia. A 4-years retrospective study.2022.
13- In-vitro susceptibility of yeast species isolated from onychomycosis against common azoles and uncommon imidazole agents.2022.
14- Determination the antimicrobial and anti-urease activity of triazole derivatives on ureolytic pathogens.2022.
15- Cross-sectional study of candiduria among neonates hospitalized in NICU wards in Shiraz: Evaluation the risk factors and clinical outcomes.2022.
16- Determining the pattern of drug susceptibility of yeast and filamentous fungi causing otomycosis in Shiraz by microbroth dilution method.2022
17- Design and antifungal activity of fluconazole and nystatin loaded onto silica mesoporous.2021.
18- Magnetic chitosan nanoparticles loaded with amphotericin B: Synthesis and antifungal activity against common human pathogenic fungi. 2021.

19- Molecular epidemiology and antifungal susceptibility patterns of fungi isolated from patients with otomycosis in Shiraz.2020.
20- Synthesis, characterization and antimicrobial activity of Nickle-oxide nanoparticles.2019.
21- Antimicrobial properties of designed collagen-based nanofibers incorporated with *Zataria multiflora* essential oil.2019
22- Evaluation the effect of photodynamic therapy using Indocyanin-green on *Candida albicans*.2018.
23- *In-vitro* Antimicrobial activity of *Vitex agnus-castus* Essential Oil with broth microdilution and spectrophotometric methods.

Presentation:

Oral Presentation

Study the Effect of Some Non-Steroidal Anti-inflammatory Drugs on Morphogenesis and Pathogenesis of *Candida albicans*."
Presented (English) in 2nd International and 4th Iranian Congress in Medical Mycology, Shiraz, Iran. November 2015.
Board of Directors: Bernhard Hube, Macit Ilkit, Mohammad Najafzadeh.

Poster Presentation

1. Antimicrobial Activities of Seven Essential Oils from Iranian Aromatic Plants Against *Aspergillus spp*. Presented in the 1st International Conference on Clinical Mycology, Aspergillus and Aspergillosis, Sari, Iran. November 2016.
2. Surface-modified Super Paramagnetic Nanoparticles by PEG-400 to Embedding Ag and Au Nanoparticles against *Aspergillus spp*. Presented in 1st International Conference on Clinical Mycology, Aspergillus and Aspergillosis, Sari, Iran. November 2016.
3. Susceptibility of *Candida albicans* and *Candida dubliniensis* to Photodynamic Therapy Using Four Dyes as the Photosensitizer. Presented in the 2nd International and 4th Iranian Congress in Medical Mycology, Shiraz, Iran. November 2015.
4. Chitosan-coated magnetite nanoparticles as a biocompatible nystatin carrier: physicochemical characterization and in vitro fungicidal determination.
Published in Abstract book ECCMID 2020.
5. Screening the antifungal activities of monoterpenes and their isomers against Candida species.
Published in Abstract book ECCMID 2020.
6. Comparison of six simple methods for ribosomal DNA extraction directly from nail samples.
Published in Abstract book ECCMID 2020.
7. Species Distribution and Antifungal Susceptibility Patterns of Yeast Isolates in Patients with Intestinal Failure Receiving Total Parenteral Nutrition. TIMM 2025.