

Curriculum Vitae



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Description

Qualification:

1. B.Sc. degree in Public health (2002), school of public health of Tehran University of medical sciences
2. M.Sc. degree in Medical mycology (2005), school of public health of Tehran University of medical sciences
3. PhD degree in Medical mycology (2012), Tarbiat Modarres University, Tehran-Iran.
4. Postdoctoral degree in medical mycology (2013), Pasteur Institute of Tehran.

National Journal Publication:

1. Molecular Characterization of GTP Binding Protein Gene in Dermatophyte Pathogen *Trichophyton rubrum*. Iranian Journal of Public Health. 2006; 35(4): 37-42.
2. Application PCR on Detection of Aflatoxinogenic Molds in Iran. J.Archive Razi, 2006; 62(2): 95-100.
3. Suppression of Telomerase Activity by Pyrimetamin: Implication To Cancer. Iranian Biomedical Journal 2007; 11 (4): 223-228.
4. Effect of silibinin on cell growth and invasive properties of a human hepatocellular carcinoma cell line, HEPG2, through inhibition of extracellular signal-regulated kinase1/2 phosphorylation European Journal of Pharmacology 2008; 591:13-20.
5. The effects of N-acetylcystein on the Expression of Matrix Metalloproteinase-2 and Tissue Inhibitor of Matrix Metalloproteinase-2 in Hepatic Fibrosis in Bile Duct Ligated Rats. Hepatology Research. 2008; 38:1252-1263.
6. Immune mechanisms in *Coccidioidomycosis* Journal of Chinese Clinical Medicine. Review article 2009;4(9):520-533.
7. A survey on distribution and toxigenicity of *Aspergillus flavus* from indoor and outdoor hospital environments. Folia Microbiologica 2011; 56:527-534.

8. In vitro evaluation of cytotoxicity effect of *Ganoderma lucidium* on fibrosarcoma cell line: P044. *Mycoses*. 2011; 54: 74-75.
9. Natural and Natural-like Phenolic Inhibitors of Type B Trichothecene *in Vitro* Production by the Wheat (*Triticum* sp.) Pathogen *Fusarium culmorum*. *Journal of agricultural and food chemistry* 2012; 62:4969-4978.
10. Effect of curcumin on *Aspergillus parasiticus* growth and expression of major gene involved in the early and late stage of aflatoxin biosynthesis. *Iranian Journal of Public Health* 2012; 41(6):72-79.
11. Rhinocerebral mucormycosis due to *Rhizopus oryzae* in diabetic patient: A case report. *Journal of Medical Mycology* 2013; 23:123-129.
12. Aflatoxin, kwashiorkor and morbidity. *Research Journal of Environmental Toxicology* 2013;10 : 388-394.
13. Inhibitory effect of eugenol on aflatoxin B₁ production in *Aspergillus parasiticus* by down regulating the expression of major gene in the toxin biosynthetic pathway. *World Journal of Microbiology and Biotechnology* 2015; 31:1071-1078.
14. Inhibitory effects of cold atmospheric plasma on the growth, ergosterol biosynthesis, and keratinase activity in *Trichophyton rubrum*. *Archives of Biochemistry and Biophysics* 2016; 608: 27-33.
15. Cold atmospheric plasma inhibits the growth of *Candida albicans* by affecting ergosterol biosynthesis and suppresses the fungal virulence factors in vitro. *Photodiagnosis and Photodynamic Therapy* 2016; 66-72.
16. Terbinafine-loaded wound dressing for chronic superficial fungal infections. *Materials Science and Engineering* 2017; 73: 130–136.
17. α -Bisabolol inhibits *Aspergillus fumigatus* Af239 growth via affecting microsomal $\Delta 24$ -sterol methyltransferase as a crucial enzyme in ergosterol biosynthesis pathway. *World Journal of Microbiology and Biotechnology* 2017; 33(55).
18. Exploration, antifungal and antiaflatoxigenic activity of halophilic bacteria communities from saline soils of Howze-Soltan playa in Iran. *Extermophiles* 2017.
19. Oropharyngeal candidiasis in head and neck cancer patients in Iran: Species identification, antifungal susceptibility and pathogenic characterization. *Journal de Mycologie Medicale* 2018.
20. Genotyping of *Candida albicans* isolates from oropharyngeal candidiasis in head & neck cancer patients in Iran: Molecular epidemiology and *SAP2* gene expression. *Journal de Mycologie Medicale* 2019.
21. Cutaneous candidiasis in Tehran-Iran: from epidemiology to multilocus sequence types, virulence factors and antifungal susceptibility of etiologic *Candida* species. *Iranian journal of microbiology* 2019; 11(4) 267.
22. In vivo and in vitro Pathogenesis and Virulence Factors of *Candida albicans* Strains Isolated from Cutaneous Candidiasis, *Iranian Biomedical Journal*, 2020
23. Comparison of conventional and molecular methods in identification of *Candida* species isolated from oropharyngeal candidiasis. *Pathobiology Research* 23 (1).
24. Genotyping of *Candida albicans* strains obtained from oropharyngeal candidiasis patients based on abc and rps typing systems, *Jundishapur Journal of Microbiology*, 2020:13 (5), 1-6.

25. The Effects of Ellagic Acid on Growth and Biofilm Formation of *Candida albicans*. 2020, Journal of Medical Microbiology and Infectious Diseases.

Book chapter

1. Nanobiomaterials in Antimicrobial Therapy Applications of Nanobiomaterials, Antifungal nanomaterials: synthesis, properties, and applications. 2017, Elsevir, 343-371.
2. Nanotechnology in Skin, Soft Tissue, and Bone Infections, Antifungal Nanotherapy: A Novel Approach to Combat Superficial Fungal Infections. 2020, Springer, Cham, 93-107.

Congress presentation:

1. Molecular Characterization of NADPH-dependent Dehydrogenase in dermatophyte pathogen *Trychophyton rubrum*. The 8th Iranian Congress of Biochemistry and 1 International Congress of Biochemistry & Molecular Biology. Tehran-Iran, Sept 11-15, 2005.
2. Inhibitory effects of curcumin on *Aspergillus parasiticus* growth and aflatoxin production. The 4th Congress of European Microbiologist. FEMS 2011. Geneva- Switzerland, June 26 - 30, 2011.
3. Inhibition of Aflatoxin production and fungal growth by eugenol in *Aspergillus parasiticus*. Power of Fungi and Mycotoxins in Health and Disease, Primošten- Croatia October 19 - 22, 2011.
4. Anti-aflatoxigenic activity of natural phenolic compounds by suppression of major genes involved in the aflatoxin biosynthesis pathway in *Aspergillus parasiticus*. 14th International Iranian Congress of Microbiology, August 28-30, 2013.
5. Curcumin regulates aflatoxin biosynthesis gene cluster in *Aspergillus parasiticus*. The 2th Iranian Congress on Medical Mycology, February 12-14, 2013.
6. Study of cytotoxicity effect of curcumin as an antifungal compound on human hepatocarcinoma cells (HepG-2). The 3th Iranian Congress of of Medical Mycology, Tehran-Iran, May 15-16, 2014.
7. The study of proteinase activity of candida albicans isolated from systemic candidiasis. The 18th International and Iranian Congress of Microbiology, Tehran, Iran, 29-31 August 2017.
8. α -bisabolol inhibits *Candida albicans* growth via affecting in ergosterol biosynthetic pathway. 10th International Congress of Laboratory and Clinic and 3th National Congress on Medical Basic Sciences and Knowledge-based Production. Tehran-Iran, January 31- February 2, 2018.
9. Oropharyngeal candidiasis in head and neck cancer patients in Iran. The 20th ISHAM congress 2018, Amsterdam, The Netherlands, from 30 June – 4 July 2018.
10. Inhibitory effect of α -bisabolol on gliotoxin production in *Aspergillus fumigatus* Af293. The 9th Advances Against Aspergillosis and Mucormycosis. 27 - 29 February 2020 - Lugano, Switzerland.

Short time training:

A stage on Molecular Biology Techniques in laboratory of Molecular Plant Pathology at Department of Plant Protection, University of Sassari, Italy, from **02.05.2011** to **31.10.2011**.