



Hossein Zarrinfar, Ph.D.,

Position: Associate professor of Medical Mycology,
Department of Medical Mycology and Parasitology,
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School of Medicine
Mashhad University of Medical Sciences

Date of birth: 7/1/1978

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Education

Feb 2007 – Aug **Tehran University of Medical Sciences**

2012 **Ph.D.**, Department of Medical Parasitology and Mycology, School of Public Health; National Institute of Health Research, Tehran University of Medical Sciences, Tehran, Iran

Thesis

Research Experience

Feb 2007 – Aug **Conventional techniques for diagnosis of fungal infections, Aspergillosis, PCR, Nested PCR, Real time PCR**

2012 Department of Medical Parasitology and Mycology, School of Public Health; National Institute of Health Research, Tehran University of Medical Sciences, Tehran, Iran

Feb 2011 – Aug **Aspergillosis, PCR, Nested PCR, Real time PCR**

2011 Department of Molecular Biology and Gene Diagnosis, Teikyo University Institute of Medical mycology, Tokyo, Japan

Sep 2001 – Sep 2004

Candidiasis, Antifungal susceptibility testing

Tarbiat Modares University, Department of Medical Mycology

M.Sc., Medical Mycology

Tehran, Iran

Skills & Activities

Skills Nested PCR, Cloning, Diagnostic Methods, Aspergillosis, Candida albicans, Candidiasis, Pulmonary Aspergillosis, Real-time PCR, Antifungal, Mycology, Molecular Biology, Yeasts, Diagnostic molecular methods

Languages English; Persian

Scientific ISHAM

Memberships ISMM; ESCMID

Interests Aspergillosis; Candidiasis; Antifungal susceptibility testing; Diagnostic molecular methods

Journal Publications

1. Shaghayegh Moghadam, **Hossein Zarrinfar**✉, Ali Naseri, Javad Sadeghi, Mohammad Javad Najafzadeh, Ya Bin Zhou, Jos Houbraeken. Causative Agents of Fungal Keratitis in Northeastern Iran: A Three-Year Tertiary Care Hospital Study. *American Journal of Tropical Medicine and Hygiene*. 2024, Accepted to publish.
2. Ardalan Ghiaee Shamloo, **Hossein Zarrinfar**, Mahmoud Reza Jaafari, Mohammad Hossein Yadegari. Inhibitory effect of *Nigella sativa* oil loaded to liposomal nanocarriers on *Candida parapsilosis* isolates. *Iran J Microbiol*. 2024;16(4):560-568.
3. Somayeh Dolatabadi, Mohammad Javad Najafzadeh, Abbas Raeisabadi, **Hossein Zarrinfar**, Mahsa Jalali, Bram Spruijtenburg, Eelco F.J. Meijer, Jacques F. Meis, Cornelia Lass-Flörl, Theun de Groot. Epidemiology of Candidemia in Mashhad, Northeast Iran: a Prospective Multicenter Study (2019-2021). *J. Fungi*. 2024; 10(7):481.
4. Maryam Salimi, Javad Javidnia, Leila Faeli, Azam Moslemi, Mohammad Taghi Hedayati, Iman Haghani, Seyed Reza Aghili, Maryam Moazeni, Parisa Badiiee, Maryam Roudbari, **Hossein Zarrinfar**, Rasoul Mohammadi, Ensieh Lotfali, Sadegh Nouripour-Sisakht, Seyedmojtaba Seyedmousavi, Tahereh Shokohi, Mahdi Abastabar. Molecular Epidemiology and Antifungal Susceptibility Profile in *Nakaseomyces glabrata* Species Complex: A 5- Year Countrywide Study. *Journal of Clinical Laboratory Analysis*. 2024; 38(9):e25042.
5. Neginsadat hosseinikargar, **Hossein Zarrinfar**✉, Seyed Javad Seyedi, Seyedeh Sabereh Mojtahedi. Inappropriate treatment of pulmonary aspergillosis caused by *Aspergillus flavus* in susceptible pediatric patients: A case series in the subtropical region of the MiddleEast. *Journal of Medical Case Reports*. 2024; 18:301.
6. Neginsadat Hosseinikargar, **Hossein Zarrinfar**✉, Seyed Javad Seyedi, Hassan Mehrad-Majd, Mohammad Javad Najafzadeh. The prevalence, predisposing factors, and outcomes of

Pneumocystis jirovecii pneumonia among pediatric inpatients, Northeastern Iran. Journal of Pediatric Infectious Diseases. 2024; 19(04):209-216.

7. Batoul Jannati, Arash Pourdad, Ali Izadjoo, **Hossein Zarrinfar**✉, Mohammad Javad Najafzadeh, Abdolmajid Fata. The Prevalence of Non-*albicans Candida* and *Candida* Mixed-species in Vulvovaginal Candidiasis in Northeast Iran. Clin. Exp. Obstet. Gynecol. 2024; 51(3): 77.
8. Mohammad Javad Najafzadeh, Tahmineh Shaban, **Hossein Zarrinfar**, Alireza Sedaghat, Neginsadat Hosseinikargar, Fariba Berenji, Mahsa Jalali, Michaela Lackner, Jasper Elvin James, Macit Ilkit, Cornelia Lass-Flörl. COVID-19 associated candidemia: From a shift in fungal epidemiology to a rise in azole drug resistance. Medical Mycology. 2024; 62(4): myae031.
9. Seyedeh Sabereh Mojtahedi, **Hossein Zarrinfar**✉, Mehdi Bakhshaei. Hematological Indices in COVID-19 Patients with Rhinosinusitis Mucormycosis. Iranian Journal of Otorhinolaryngology. 2024; 36(2): 399-405.
10. Ardalan Ghiaee Shamloo, Mohammad Hossein Yadegari, Shahla Roudbar Mohammadi, Mahmoodreza Jaafari, **Hossein Zarrinfar**. Designing and Synthesis of an Anti-*Candida parapsilosis* Thymoquinone Lipid Formulation. Jundishapur Journal of Microbiology. 2023; 16 (10); e141934.
11. Mohammad Javad Javid-Naderi, **Hossein Zarrinfar**✉, Tahany Al-Shemary. *In silico* analysis and molecular docking of curcumin analogs and antifungal compounds against critical proteins of *Aspergillus* species: a comparative investigation. Journal of Population Therapeutics and Clinical Pharmacology. 2023; 30 (19): 1345 – 1365.
12. Bahar Banasaz, Sara Saadat, Davood Kalantar-Neyestanaki, **Hossein Zarrinfar**, Fahimeh Shakeri, Mahmood Barani, Reza Mohammadinejad, Firoozeh Mirzaee, Masumeh Ghazanfarpour. The Association Between *Helicobacter pylori* Infection With Different Types

of Colon Cancer and Children's Diseases: An Overview of Meta-analyses. *Crescent Journal of Medical and Biological Sciences*. 2023; 10(4): 153–160.

13. Shaghayegh Moghadam, Behnam Azari, Roghayeh Rashidi, Mahdi Hosseini Bafghi, Hassan Rakhshandeh, Selman Mohammed Selman and **Hossein Zarrinfar**✉. Antifungal activity of three different varieties of *Capsicum annuum* against clinical isolates of *Candida* species. *Tropical Diseases, Travel Medicine and Vaccines*. 2023; 9: 1-9.
14. Mohammad Javad Javid-Naderi, Zahra Sabouri, Amin Jalili, **Hossein Zarrinfar**, Saeed Samarghandian, Majid Darroudi. Green synthesis of copper oxide nanoparticles using okra (*Abelmoschus esculentus*) fruit extract and assessment of their cytotoxicity and photocatalytic applications. *Environmental Technology & Innovation*. 2023; 32: 103300.
15. Robabeh Dehghani, Shirin Mohammadi, **Hossein Zarrinfar**✉, Lida Jarahi, Mohammad Javad Najafzadeh, Husam Salah. The Emergence Of Decreased Activity Of Amphotericin B And Voriconazole Against Clinical Isolates Of *Aspergillus* Species: A Subtropical Region Of The Middle East. *Journal of Population Therapeutics and Clinical Pharmacology*. 2023; 30(17):146-154.
16. Shaghayegh Moghadam, Behnam Azari, Majid Darroudi, **Hossein Zarrinfar**✉, Zahra Sabouri, Selman Mohammed Selman, Shirin Mohammadi. Comparison of antifungal activities of zinc, copper, cerium oxide, silver, gold, and selenium nanoparticles against clinical isolates of *Aspergillus*. *Nanomedicine Journal*. 2023; 10(3):227-233.
17. Mohsen Nosratabadi, Leila Faeli, Iman Haghani, Rasoul Mohammadi, Sadegh Khodavaisy, Reza Kachuei, Farzad Katiraei, Seyed Reza Aghili, Tahereh Shokohi, Mohammad Taghi Hedayati, Mehdi Nazeri, Mohammad Javan-Nikkhah, **Hossein Zarrinfar**, Javad Javidnia, Mohammad-Javad Najafzadeh, Maryam Salimi, Abdullah M.S. Al Hatmi, Hamid Badali, Mahdi Abastabar. In vitro antifungal susceptibility profile of Iranian *Fusarium* isolates: Emphasising on the potent inhibitory effect of efinaconazole compared to other drugs. *Mycoses*. 2023; 66: 258-275.

18. Mahsa Vaezi, Sahar Ravanshad, Mina Akbari Rad, **Hossein Zarrinfar**, Mona Kabiri. The effect of synbiotic adjunct therapy on clinical and paraclinical outcomes in hospitalized COVID- 19 patients: A randomized placebo- controlled trial. J Med Virol. 2023; 95:e28463.
19. Shaghayegh Khojasteh, Mahdi Abastabar, Iman Haghani, Reza Valadan, Sahar Ghazanfari, Kiana Abbasi, Fatemeh Ahangarkani, **Hossein Zarrinfar**, Sadegh Khodavaisy, Hamid Badali. Five- year surveillance study of clinical and environmental Triazole- Resistant *Aspergillus fumigatus* isolates in Iran. Mycoses. 2023; 66(2):98-105.
20. Mahdi Abastabar, Maryam Babaei, Rasoul Mohammadi, Reza Valadan, Javad Javidnia, Arezoo Zaedi, Seyed Reza Aghili, Iman Haghani, Shaghayegh Khojasteh, Ali Reazaei-Matehkolaei, Neda Kiasat, Kambiz Kamyab Hesari, Zeinab Ghasemi, Maryam Azish, **Hossein Zarrinfar**, Mojtaba Taghizadeh-Armaki, Naser Keikha, Mahboobeh Kharazi, Hossein Khodadadi, Mohammad Taghi Hedayati, Tahereh Shokohi. Iranian National Survey on Tinea Capitis: Antifungal Susceptibility Profile, Epidemiological Characteristics, and Report of Two Strains with a Novel Mutation in SQLE Gene with Homology Modeling. Mycopathologia. 2023; 188:449–460.
21. Hamid Sadeghian, **Hossein Zarrinfar**, Hadi Safdari, Mohammad Hossein Ahmadi, Maedeh Tahan, Mahdi Hosseini Bafghi. Enhancing the Antifungal Effect of Biosynthesized Selenium Nanoparticles Using *Aspergillus Fumigatus*. Journal of Knowledge & Health in Basic Medical Sciences. 2022; 17(3): 40-51.
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23. Fatemeh Afsharzadeh, **Hossein Zarrinfar**, Abdolmajid Fata, Mohammad Javad Najafzadeh. Update on Dermatophytosis in Mashhad Northeastern Iran, Emergence of infection with *Trichophyton persicum*. Indian Journal of Dermatology. 2022; 67(2):206.

24. Mohsen Najjari, Mohammad Amin Gorouhi, **Hossein Zarrinfar**✉, Bibi Razieh Hosseini Farash, Jamshid Jamali, Elham Moghaddas, Mohammad Ebrahimipour. Impact of a health educational interventional program on reducing the head lice infestation among pupils in an elementary school of a sub-tropical region: a quasi-experimental study. *BMC Pediatrics*. 2022; 22:424.
25. Mohsen Nosratabadi, Javad Akhtari, Leila Faeli, Iman Haghani, Seyed Reza Aghili, Tahereh Shokohi, Mohammad Taghi Hedayati, **Hossein Zarrinfar**, Rasoul Mohammadi, Mohammad Javad Najafzadeh, Sadegh Khodavaissy, Ahmed Al-Harrasi, Mohammad Javan-Nikkhah, Reza Kachuei, Maryam Salimi, Mahsa Fattahi, Hamid Badali, Abdullah M. S. Al Hatmi, Mahdi Abastabar. In Vitro Antifungal Susceptibility Profile of Miltefosine against a Collection of Azole and Echinocandins Resistant Fusarium Strains. *J. Fungi*. 2022; 8, 709.
26. Mahdi Hosseini Bafghi, Razieh Nazari, Majid Darroudi, Mohsen Zargar, **Hossein Zarrinfar**✉. The effect of biosynthesized selenium nanoparticles on the expression of CYP51A and HSP90 antifungal resistance genes in *Aspergillus fumigatus* and *A. flavus*. *Biotechnology Progress*. 2022; 38:e3206.
27. Martin Hoenigl, Danila Seidel, Agostinho Carvalho, Shivaprakash M Rudramurthy, Amir Arastehfar, Jean-Pierre Gangneux, Nosheen Nasir, Alexandro Bonifaz, Javier Araiza, Nikolai Klimko, Alexandra Serris, Katrien Lagrou, Jacques F Meis, Oliver A Cornely, John R Perfect, P Lewis White, Arunaloke Chakrabarti, on behalf of ECMM and ISHAM collaborators (**Hossein Zarrinfar**). The emergence of COVID-19 associated mucormycosis: a review of cases from 18 countries. *The Lancet Microbe*. 2022; 3: e543–52.
28. Mahdi Hosseini Bafghi, **Hossein Zarrinfar**, Majid Darroudi, Mohsen Zargar, Razieh Nazari. Green synthesis of selenium nanoparticles and evaluate their effect on the expression of ERG3, ERG11, and FKS1 antifungal resistance genes in *Candida albicans* and *Candida glabrata*. *Letters in Applied Microbiology*. 2022; 74: 809-819.

29. Ali Sharifpour, **Hossein Zarrinfar**, Mahdi Fakhar, Zakaria Zakariaei, Mostafa Soleymani, Elham Sadat Banimostafavi, Maryam Nakhaei. First report of emerged pulmonary lophomoniasis in two Afghanian medical tourists. *Clinical Case Reports*. 2022; 10: e05607.
30. Seyedeh Sabereh Mojtahedi, **Hossein Zarrinfar**✉. Evaluation of Hematological Parameters in Coronavirus Disease 2019 Patients with *Aspergillus* Rhinosinusitis, Northeastern Iran. *Journal of Patient Safety and Quality Improvement*. 2022; 10(1): 35-40.
31. Mohammad Ehsan Taghavizadeh Yazdi, Majid Darroudi, Mohammad Sadegh Amiri, **Hossein Zarrinfar**, Hasan Ali Hosseini, Mohammad Mashreghi, Hamid Mozafarri, Ahmad Ghorbani, Seyed Hadi Mousavi. Antimycobacterial, Anticancer, Antioxidant and Photocatalytic Activity of Biosynthesized Silver Nanoparticles Using *Berberis Integerrima*. *Iranian Journal of Science and Technology, Transactions A: Science*. 2022; 46: 1-11.
32. Ali Sharifpour, **Hossein Zarrinfar**, Mahdi Fakhar, Zakaria Zakariaei, Mostafa Soleymani, Elham Sadat Banimostafavi, Maryam Nakhaei. First report of *Lophomonas* infection in a patient with AML-2 from Qeshm Island, Persian Gulf, southern Iran. *Respirology Case Reports*. 2022. 10(2): e0906.
33. Behnam Azari, Shaghayegh Zahmatkesh Moghadam, **Hossein Zarrinfar**✉, Aida Tasbandi, Tannaz Jamialahmadi, Amirhossein Sahebkar. Antifungal Activity of Curcuminoids and Difluorinated Curcumin Against Clinical Isolates of *Candida* Species. (eds) *Natural Products and Human Diseases. Advances in Experimental Medicine and Biology*. 2021; 1328: 123-129.
34. **Hossein Zarrinfar**, Zahra Kord, Abdolmajid Fata. High incidence of azole resistance among *Candida albicans* and *C. glabrata* isolates in Northeastern Iran. *Current Medical Mycology*. 2021, 7(3): 18-21.

35. Nasrin Rostami, Hossein Alidadi, **Hossein Zarrinfar**✉, Damon Ketabi, Hamed Tabesh. Interventional effect of nanosilver paint on fungal load of indoor air a hospital ward. *Canadian Journal of Infectious Diseases and Medical Microbiology*. 2021; 2021(8658600):1-6.
36. Mahdi Hosseini Bafghi, Majid Darroudi, Mohsen Zargar, **Hossein Zarrinfar**✉, Razieh Nazari. Biosynthesis of selenium nanoparticles by *Aspergillus flavus* and *Candida albicans* for antifungal applications. *Micro Nano Lett*. 2021; 16: 656–669.
37. E. Kashefi, S. J. Seyedi, **H. Zarrinfar**✉, A. Fata, H. Mehrad-Majd, M. J. Najafzadeh. Molecular Identification of *Candida* Species in Bronchoalveolar Lavage Specimens of Hospitalized Children with Pulmonary Disorders. *J Babol Univ Med Sci*. 2021; 23: 331-336.
38. Zarifeh Adampour, Malihe Hasanzadeh, **Hossein Zarrinfar**✉, Maryam Nakhaei, and Monika No-vak Babi. Vaginitis Due to *Pichia fermentans* in a Patient Affected by Endometrial Cancer: A Novel Case Report. *Current Women`s Health Reviews*. 2022; 18(4): e031121194726.
39. Neginsadat Hosseinikargar, Reza Basiri, Mohammad Asadzadeh, Mohammad Javad Najafzadeh, **Hossein Zarrinfar**✉. First report of invasive *Aspergillus* rhinosinusitis in a critically ill COVID-19 patient affected by acute myeloid leukemia, northeastern Iran. *Clinical Case Reports*. 2021; 9 (10):e04889.
40. Mahdi Hosseini Bafghi, Hadi Safdari, Razieh Nazari, Majid Darroudi, Zahra Sabouri, Mohsen Zargar, **Hossein Zarrinfar**✉. Evaluation and comparison of the effect of biosynthesized selenium and silver nanoparticles using plant extracts with antifungal drugs on the growth of *Aspergillus* and *Candida* species. *Rendiconti Lincei*. 2021; 32: 791-803.
41. Mohammad Javad Najafzadeh, Somayeh Dolatabadi, **Hossein Zarrinfar**, Jos Houbraken. Molecular Diversity of Aspergilli in Two Iranian Hospitals. *Mycopathologia*. 2021; 186:519–533.

42. Adéla Čmoková, Ali Rezaei-Matehkolaei, Ivana Kuklová, Miroslav Kolařík, Forough Shamsizadeh, Saham Ansari, Maral Gharaghani, Viera Miňovská, Mohammad Javad Najafzadeh, Sadegh Nouripour-Sisakht, Takashi Yaguchi, Kamiar Zomorodian, **Hossein Zarrinfar**, Vit Hubka. Discovery of New Trichophyton Members, *T. persicum* and *T. spiraliforme* spp. nov., as a Cause of Highly Inflammatory Tinea Cases in Iran and Czechia. *Microbiology Spectrum*. 2021; 9(2): e00284-21.
43. Elham Kashefi, Seyed Javad Seyedi, Kamiar Zomorodian, Zahra Zare Shahrabadi, **Hossein Zarrinfar**✉. Successful treatment of pulmonary aspergillosis due to *Aspergillus fumigatus* in a child affected by systemic lupus erythematosus: A case report from Northeastern Iran. *Clinical Case Reports*. 2021;9(5):1–9. e04248.
44. Forough Shamsizadeh, Saham Ansari, Ali Zarei Mahmoudabadi, Vít Hubka, Adéla Čmoková, Jacques Guillot, Abdollah Rafiei, Kamiar Zomorodian, Sadegh Nouripour-Sisakht, Kambiz Diba, Tooba Mohammadi, **Hossein Zarrinfar**, Ali Rezaei-Matehkolaei. In vitro antifungal susceptibility patterns of *Trichophyton benhamiae* complex isolates from diverse origin. *Mycoses*. 2021; 64:1378–1386.
45. Simin Taghipour, Mahdi Abastabar, Fahimeh Piri, Elham Aboualigalehdari, Mohammad Reza Jabbari, **Hossein Zarrinfar**, Sadegh Nouripour-Sisakht, Rasoul Mohammadi, Bahram Ahmadi, Saham Ansari, Farzad Katiraei, Farhad Niknejad, Mojtaba Didehdar, Mehdi Nazeri, Koichi Makimura and Ali Rezaei-Matehkolaei. Diversity of Geophilic Dermatophytes Species in the Soils of Iran; The Significant Preponderance of *Nannizzia fulva*. *J. Fungi* 2021, 7, 345.
46. **Hossein Zarrinfar**, Mahsa Behnam, Mahdi Hatamipour, and Amirhossein Sahebkar. Antifungal Activities of Curcuminoids and Difluorinated Curcumin Against Clinical Dermatophyte Isolates. *Advances in Experimental Medicine and Biology*. 2021; 1308:101-107.
47. Amir Arastehfar, Tahmineh Shaban, **Hossein Zarrinfar**, Maryam Roudbary, Mona Ghazanfari, Mohammad-Taghi Hedayati, Alireza Sedaghat, Macit Ilkit, Mohammad Javad

Najafzadeh, and David S. Perlin. Candidemia among Iranian Patients with Severe COVID-19 Admitted to ICUs. *J. Fungi* 2021, 7(4), 280.

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49. Monireh Kazemi, Alireza Akbari, Zahra Sabouri, Saman Soleimanpour, **Hossein Zarrinfar**, Mehrdad Khatami, Majid Darroudi. Green synthesis of colloidal selenium nanoparticles in starch solutions and investigation of their photocatalytic, antimicrobial, and cytotoxicity effects. *Bioprocess and Biosystems Engineering*. 2021; 44: 1215-1225.
50. Narda Medina, Juan Carlos Soto-Debrán, Danila Seidel, Isin Akkyar, Hamid Badali, Aleksandra Barac, Stéphane Bretagne, Yasemin Cag, Carole Cassagne, Carmen Castro, Arunaloke Chakrabarti, Eric Dannaoui, Celia Cardozo, Julio Garcia-Rodriguez, Juliette Guitard, Petr Hamal, Martin Hoenigl, Tomasz Jagielski, Sadegh Khodavaisy, Giuliana Lo Cascio, María Carmen Martínez-Rubio, Joseph Meletiadis, Patricia Muñoz, Elżbieta Ochman, Teresa Peláez, Ana Perez-Ayala Balzola, Juergen Prattes, Emmanuel Roilides, Maite Ruíz-Pérez de Pipaón, Raphael Stauf, Jörg Steinmann, Ana Isabel Suárez-Barrenechea, Rocío Tejero, Laura Trovato, Lourdes Viñuela, Thanwa Wongsuk, Iwona Żak, **Hossein Zarrinfar**, Cornelia Lass-Flörl, Sevtap Arikian-Akdagli and Ana Alastruey-Izquierdo. MixInYeast: A Multicenter Study on Mixed Yeast Infections. *J. Fungi*. 2021; 7, 13.
51. Zohre Behzadi, Abdolmajid Fata, Saeed Parham, **Hossein Zarrinfar**, Mohammad Javad Najafzadeh. DNA sequence analysis of keratinophilic fungi isolated from livestock stables in the East of Iran. *Current Medical Mycology*. 2020; 6(3): 57-60.
52. **Hossein Zarrinfar**✉, Chhavi Bathla. Can be phaeohyphomycosis an emerging fungal infection in Iran? A short communication. *Journal of Patient Safety & Quality Improvement*. 2020; 8(2): 123-126.

53. Amir Arastehfar, Farnaz Daneshnia, Mohammad Javad Najafzadeh, Ferry Hagen, Shahram Mahmoudi, Mohammadreza Salehi, **Hossein Zarrinfar**, Zahra Namvar, Zahra Zare Shahrabadi, Sadegh Khodavaisy, Kamiar Zomorodian, Bart Theelen¹, Weihua Pan, Markus Kostrzewa, Teun Boekhout, Cornelia Lass-Flörl. Evaluation of molecular epidemiology, clinical characteristics, antifungal susceptibility profiles, and molecular mechanisms of antifungal resistance of Iranian *Candida parapsilosis* species complex blood isolates. *Frontiers in Cellular and Infection Microbiology*. 2020; 10:206.
54. Poursan Layegh, Naser Tayyebi Meibodi, Mohammad Razmyar, Mojtaba Taghizadeh-Armaki, **Hossein Zarrinfar**✉. Disseminated phaeohyphomycosis caused by *Cyphellophora ludoviensis*: A novel case report from Iran, the Middle East. *Australasian Journal of Dermatology*. 2020; 61: 250-251.
55. Mahsa Behnam, **Hossein Zarrinfar**✉, Mohammad Javad Najafzadeh, Ali Naseri, Lida Jarahi, Monika Novak Babič. Low in vitro activity of sertaconazole against clinical isolates of dermatophyte. *Current Medical Mycology*. 2020; 6(1): 36-41.
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57. Amir Arastehfar, Farnaz Daneshnia, Ahmed Hafez, Sadegh Khodavaisy, Mohammad-Javad Najafzadeh, Arezoo Charsizadeh, **Hossein Zarrinfar**, Mohammadreza Salehi, Zahra Zare Shahrabadi, Elahe Sassani, Kamiar Zomorodian, Weihua Pan, Ferry Hagen, Macit Ilkit, Markus Kostrzewa and Teun Boekhout. Antifungal susceptibility, genotyping, resistance mechanism, and clinical profile of *Candida tropicalis* blood isolates. *Medical Mycology*. 2020; 58:766-773.
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62. Amir Arastehfar, Sadegh Khodavaissy, Farnaz Daneshnia, Mohammad-Javad Najafzadeh, Shahram Mahmoudi, Arezoo Charsizadeh, Mohammad-Reza Salehi, **Hossein Zarrinfar**, Abbas Raeisabadi, Somayeh Dolatabadi, Zahra Zare Shahrabadi, Kamiar Zomorodian, Weihua Pan, Ferry Hagen and Teun Boekhout. Molecular Identification, Genotypic Diversity, Antifungal Susceptibility, and Clinical Outcomes of Infections Caused by Clinically Underrated Yeasts, *Candida orthopsilosis*, and *Candida metapsilosis*: An Iranian Multicenter Study (2014–2019). *Front. Cell. Infect. Microbiol.* 2019; 9:264.

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