

# Prof. MEHMET MACİT İLKİT

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Cukurova University, Tıp Fakültesi, Turkey 1991 - 1995

Undergraduate, Cukurova University, Tıp Fakültesi, Turkey 1983 - 1989

## Dissertations

Doctorate, ADANA BÖLGESİNDE ÇOCUK POPULASYONUNDA HEPATİT E VİRUSU ENFEKSİYONLARININ SEROEPİDEMİYOLOJİK İNCELENMESİ, Cukurova University, Temel Tıp Bilimleri, Mikrobiyoloji, 1995

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Microbiology and Clinical Microbiology, Mycology, Medical Microbiology

## Academic Titles / Tasks

Professor, Cukurova University, Temel Tıp Bilimleri, Tıbbi Mikrobiyoloji, 2007 - Continues

Associate Professor, Cukurova University, Temel Tıp Bilimleri, Tıbbi Mikrobiyoloji, 2001 - 2007

Assistant Professor, Cukurova University, Temel Tıp Bilimleri, Tıbbi Mikrobiyoloji, 1996 - 2001

## Published journal articles indexed by SCI, SSCI, and AHCI

- 200 years of taxonomic confusion: Sporendonema and allies**  
Kandemir H., Decock C., Hernández-Restrepo M., Labuda R., Houbraken J., Ilkit M., de Hoog G. S.  
Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology, vol.117, no.1, 2024 (SCI-Expanded)
- COVID-19 associated candidemia: From a shift in fungal epidemiology to a rise in azole drug resistance**  
Najafzadeh M. J., Shaban T., Zarrinfar H., Sedaghat A., Hosseinikargar N., Berenji F., Jalali M., Lackner M., James J. E., Ilkit M., et al.  
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- III. **Echinocandin persistence directly impacts the evolution of resistance and survival of the pathogenic fungus *Candida glabrata***  
Arastehfar A, Daneshnia F, Floyd D. J., Jeffries N. E., Salehi M., Perlin D. S., Ilkit M., Lass-Flöerl C., Mansour M. K. *mBio*, vol.15, no.4, 2024 (SCI-Expanded)
- IV. **Molecular typing and antifungal susceptibility profile of *Candida krusei* bloodstream isolates from Türkiye**  
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- V. **Investigation of *Cryptococcus* Colonization and Mating Genotype in Environmental Samples**  
ALKAYA D., Kaplan E., Ergin Ç., Ilkit M., Döğen A. *Mikrobiyoloji Bülteni*, vol.58, no.1, pp.39-48, 2024 (SCI-Expanded)
- VI. **Evaluation of outbreak persistence caused by multidrug-resistant and echinocandin-resistant *Candida parapsilosis* using multidimensional experimental and epidemiological approaches**  
Daneshnia F., Floyd D. J., Ryan A. P., Ghahfarokhy P. M., Ebadati A., Jusuf S., Munoz J., Jeffries N. E., Elizabeth Yvanovich E., Apostolopoulou A., et al. *Emerging Microbes and Infections*, vol.13, no.1, 2024 (SCI-Expanded)
- VII. **Molecular Detection of Dermatophytes and Nondermatophytes in Onychomycosis in Antalya, Turkey**  
FELEK R., KOYUNCU ÖZYURT Ö., Cetinkaya O., ÖZHAK B., ÖNGÜT G., UZUN S., KARAKAŞ A. İ., ÖĞÜNÇ M. D., Ilkit M. *Clinical Laboratory*, vol.70, no.6, pp.1131-1136, 2024 (SCI-Expanded)
- VIII. **Molecular typing of a collection of Iranian clinical *Trichophyton tonsurans* isolates based on the non-transcribed spacer region of rDNA and antifungal susceptibility testing of the species**  
Faeli L., Kermani F., Rezaei-Matehkolaei A., Ilkit M., Valadan R., Hosseini S. A., Javidnia J., Mayahi S., Shokohi T., Abastabar M. *Mycoses*, vol.67, no.1, 2024 (SCI-Expanded)
- IX. **Lung and gut microbiomes in pulmonary aspergillosis: Exploring adjunctive therapies to combat the disease.**  
Cai L., Gao P., Wang Z., Dai C., Ning Y., Ilkit M. M., Xue X., Xiao J., Chen C. *Frontiers in immunology*, vol.13, pp.988708, 2022 (SCI-Expanded)
- X. **Effectiveness of FastFung agar in the isolation of *Malassezia furfur* from skin samples**  
Atsu N., ERGİN Ç., Caf N., Turkoglu Z., DÖĞEN A., İLKİT M. M. *MYCOSES*, vol.65, no.7, pp.704-708, 2022 (SCI-Expanded)
- XI. **Phylogenetic and ecological reevaluation of the order Onygenales**  
Kandemir H., Dukik K., De Melo Teixeira M., Stielow B., Delma F. Z., Al-Hatmi A. M., Ahmad S., De Hoog S., Ilkit M. M. *FUNGAL DIVERSITY*, vol.115, pp.1-72, 2022 (SCI-Expanded)
- XII. **Characteristics and Prognosis of *Talaromyces marneffe* Infection in HIV-positive Children in Southern China**  
Xue X., Zou J., Fang W., Liu X., Chen M., Arastehfar A., İLKİT M. M., Zheng Y., Qin J., Peng Z., et al. *MYCOPATHOLOGIA*, vol.187, no.2-3, pp.169-180, 2022 (SCI-Expanded)
- XIII. **Candidemia Among Coronavirus Disease 2019 Patients in Turkey Admitted to Intensive Care Units: A Retrospective Multicenter Study**  
Arastehfar A., Unal N., Hosbul T., Ozarslan M. A., Karakoyun A. S., POLAT F., Fuentes D., Gumral R., Turunc T., Daneshnia F., et al. *OPEN FORUM INFECTIOUS DISEASES*, vol.9, no.4, 2022 (SCI-Expanded)
- XIV. **Molecular identification and antifungal susceptibility of clinically relevant and cryptic species of *Aspergillus* sections *Flavi* and *Nigri*.**  
Nargesi S., Jafarzadeh J., Najafzadeh M. J., Nouripour-Sisakht S., Haghani I., Abastabar M., Ilkit M. M., Hedayati M. T. *Journal of medical microbiology*, vol.71, no.4, 2022 (SCI-Expanded)
- XV. **Multidrug-resistant *Trichosporon* species: underestimated fungal pathogens posing imminent threats in clinical settings**  
Arastehfar A., de Almeida Junior J. N., Perlin D. S., İLKİT M. M., Boekhout T., Colombo A. L. *CRITICAL REVIEWS IN MICROBIOLOGY*, vol.47, no.6, pp.679-698, 2021 (SCI-Expanded)

- XVI. **Clinical aspects and prognosis of polymicrobial keratitis caused by different microbial combinations: a retrospective comparative case study.**  
Harbiyeli I. I., Oruz O., Erdem E., Cam B., Demirkazik M., Acikalin A., Kibar F., Ilkit M. M., Yarkin F., Yagmur M. International ophthalmology, vol.41, no.11, pp.3849-3860, 2021 (SCI-Expanded)
- XVII. **Investigation of the Emerging Nosocomial *Wickerhamomyces anomalus* Infections at a Chinese Tertiary Teaching Hospital and a Systemic Review: Clinical Manifestations, Risk Factors, Treatment, Outcomes, and Anti-fungal Susceptibility**  
Zhang L., Xiao M., Arastehfar A., İlKİT M. M., Zou J., Deng Y., Xu Y., Liao W., Zhao J., Fang W., et al. FRONTIERS IN MICROBIOLOGY, vol.12, 2021 (SCI-Expanded)
- XVIII. ***p* *Aspergillus fumigatus* and aspergillosis: From basics to clinics**  
Arastehfar A., Carvalho A., Houbraken J., Lombardi L., Garcia-Rubio R., Jenks J. D., Rivero-Menendez O., Aljohani R., Jacobsen I. D., Berman J., et al. STUDIES IN MYCOLOGY, vol.100, no.100, 2021 (SCI-Expanded)
- XIX. **MALDI-TOF MS characterisation, genetic diversity and antifungal susceptibility of *Trichosporon* species from Iranian clinical samples.**  
Ahangarkani F., Ilkit M. M., Vaseghi N., Zahedi N., Zomorodian K., Khodavaisy S., Afsarian M. H., Abbasi K., de Groot T., Meis J. F., et al. Mycoses, vol.64, pp.918-925, 2021 (SCI-Expanded)
- XX. **Phylogenomic Analysis of a 55.1-kb 19-Gene Dataset Resolves a Monophyletic *Fusarium* that Includes the *Fusarium solani* Species Complex**  
Geiser D. M., Al-Hatmi A. M. S., Aoki T., Arie T., Balmas V., Barnes I., Bergstrom G. C., Bhattacharyya M. K., Blomquist C. L., Bowden R. L., et al. PHYTOPATHOLOGY, vol.111, no.7, pp.1064-1079, 2021 (SCI-Expanded)
- XXI. **Epidemiology of candidemia in Shiraz, southern Iran: A prospective multicenter study (2016-2018).**  
Arastehfar A., Yazdanpanah S., Bakhtiari M., Fang W., Pan W., Mahmoudi S., Pakshir K., Daneshnia F., Boekhout T., Ilkit M. M., et al. Medical mycology, vol.59, pp.422-430, 2021 (SCI-Expanded)
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- XXIII. **Clonal Candidemia Outbreak by *Candida parapsilosis* Carrying Y132F in Turkey: Evolution of a Persisting Challenge.**  
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- XXIV. **Candidemia among Iranian Patients with Severe COVID-19 Admitted to ICUs.**  
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- XXV. **Molecular identification and antifungal susceptibility among clinical isolates of dermatophytes in Shiraz, Iran (2017-2019)**  
Zareshahrabadi Z., Totonchi A., Rezaei-Matehkolaei A., Ilkit M. M., Ghahartars M., Arastehfar A., Motamedi M., Nouraei H., Sharifi Lari M., Mohammadi T., et al. MYCOSES, vol.64, no.4, pp.385-393, 2021 (SCI-Expanded)
- XXVI. **Development and Analysis of qPCR for the Identification of Arthroconidial Yeasts of the Genus *Magnusiomyces***  
Kaplan E., Aktas D., Dogen A., Hilmioğlu-Polat S., Gumral R., Hagen F., Ilkit M. M., de Hoog G. S. MYCOPATHOLOGIA, vol.186, no.1, pp.41-51, 2021 (SCI-Expanded)
- XXVII. **The clinical profiles and outcomes of HIV-negative cryptococcal meningitis patients in type II**

**diabetes mellitus**

Li H, Li X, Zhang L, Fang W, Zhang K, Arastehfar A, Ilkit M. M., Hu D., Chen X, Wang H., et al.  
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- XXVIII. **Genetically related micafungin-resistant *Candida parapsilosis* blood isolates harbouring novel mutation R658G in hotspot 1 of Fks1p: a new challenge?**  
Arastehfar A, Daneshnia F., Hilmioğlu-Polat S., Ilkit M. M., Yasar M., Polat F., Metin D. Y., Dokumcu Ü. Z., Pan W., Hagen F., et al.  
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- XXIX. **Drug-Resistant Fungi: An Emerging Challenge Threatening Our Limited Antifungal Armamentarium.**  
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- XXX. **Cryptococcal Meningitis: A Rare Complication in HIV-Negative Patients with Nephrotic Syndrome in A Chinese Teaching Hospital**  
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MYCOPATHOLOGIA, vol.185, no.6, pp.959-969, 2020 (SCI-Expanded)
- XXXI. **Potent in vitro activity of curcumin and quercetin co-encapsulated in nanovesicles without hyaluronan against *Aspergillus* and *Candida* isolates**  
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- XXXII. **Recent Increase in the Prevalence of Fluconazole-Non-susceptible *Candida tropicalis* Blood Isolates in Turkey: Clinical Implication of Azole-Non-susceptible and Fluconazole Tolerant Phenotypes and Genotyping**  
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- XXXIII. **First Report of Candidemia Clonal Outbreak Caused by Emerging Fluconazole-Resistant *Candida parapsilosis* Isolates Harboring Y132F and/or Y132F+K143R in Turkey.**  
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- XXXIV. **Low level of antifungal resistance of *Candida glabrata* blood isolates in Turkey: Fluconazole minimum inhibitory concentration and FKS mutations can predict therapeutic failure**  
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- XXXV. **The Quiet and Underappreciated Rise of Drug-Resistant Invasive Fungal Pathogens**  
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- XXXVI. **Antifungal susceptibility, genotyping, resistance mechanism, and clinical profile of *Candida tropicalis* blood isolates**  
Arastehfar A., Daneshnia F., Hafez A., Khodavaisy S., Najafzadeh M., Charsizadeh A., Zarrinfar H., Salehi M., Shahrabadi Z. Z., Sasani E., et al.  
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- XXXVII. **Antifungal Activity of a Novel Triazole, Efinaconazole and Nine Comparators against 354 Molecularly Identified *Aspergillus* Isolates**  
Taheri Rizi Z., Abastabar M., Fakhim H., Ilkit M. M., Ahangarkani F., Javidnia J., Haghani I., Meis J. F., Badali H.  
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- XXXVIII. **Epidemiological features of nosocomial candidaemia in neonates, infants and children: A multicentre study in Iran**  
Ahangarkani F., Shokohi T., Rezai M. S., Ilkit M. M., Nesheli H. M., Karami H., Tamaddoni A., Alizadeh-Navaei R., Khodavaisy S., Meis J. F., et al.  
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- XXXIX. **Rapid and Low-Cost Culture-Based Method for Diagnosis of Mucormycosis Using a Mouse Model**  
Vaezi A., Fakhim H., Ilkit M. M., Faeli L., Fakhar M., Alinejad V., Wiederhold N. P., Badali H.  
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- XL. **Changing Concepts and Current Definition of Majocchi's Granuloma**  
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- XLl. **Polyphasic Discrimination of Trichophyton tonsurans and T. equinum from Humans and Horses**  
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- XLII. **Genes Encoding Proteolytic Enzymes Fungalsin and Subtilisin in Dermatophytes of Human and Animal Origin: A Comparative Study**  
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- XLIII. **Discrimination of Aspergillus flavus from Aspergillus oryzae by matrix-assisted laser desorption/ionisation time-of-flight (MALDI-TOF) mass spectrometry.**  
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- XLIV. **Identification of Mycoses in Developing Countries**  
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- XLV. **Cryptococcus neoformans Recovered From Olive Trees (Olea europaea) in Turkey Reveal Allopatry With African and South American Lineages**  
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- XLVI. **In vitro activities of 15 antifungal drugs against a large collection of clinical isolates of Microsporum canis.**  
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- XLVII. **Identification of Cryptococcus antigen in human immunodeficiency virus-positive Turkish patients by using the Dynamiker (R) lateral flow assay**  
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- XLVIII. **Species Distinction in the Trichophyton rubrum Complex**  
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- XLIX. **Mating genotypes and susceptibility profiles of clinical isolates of Candida glabrata from Turkey.**  
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- L. **In Vitro Efficacy of Chlorhexidine and a riboflavin/UVA Combination on Fungal Agents of Keratitis**  
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- LI. **High accuracy of recognition of common forms of folliculitis by dermoscopy: An observational study.**  
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- LII. **Genotypes and population genetics of cryptococcus neoformans and cryptococcus gattii species complexes in Europe and the mediterranean area**  
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- LIII. **Prediction of the Species Distribution of *Cryptococcus neoformans* Throughout Turkey**  
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- LIV. **Mating type (MAT) locus and possible sexuality of the opportunistic pathogen *Exophiala dermatitidis*.**  
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- LV. **Estimated burden of serious human fungal diseases in Turkey.**  
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- LVI. **Isolation of *Cryptococcus neoformans* from a Chesnut Tree (*Castanea sativa*), Denizli, Turkey**  
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- LVII. **Eighty Years of Mycopathologia: A Retrospective Analysis of Progress Made in Understanding Human and Animal Fungal Pathogens**  
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- LVIII. **Mycotic Keratitis Caused by *Fusarium solani sensu stricto* (FSSC5): A Case Series**  
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- LIX. **Genetic Diversity and Antifungal Susceptibility of *Candida parapsilosis Sensu Stricto* Isolated from Bloodstream Infections in Turkish Patients**  
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- LX. **In vitro activities of antifungal drugs against environmental *Exophiala* isolates and review of the literature**  
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- LXI. **Comparison of the rolling circle amplification and ligase-dependent reaction methods for the identification of opportunistic *Exophiala* species**  
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- LXII. **A Comparison of Biosurfactant Production Between Clinical and Environmental *Exophiala* Isolates**  
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- LXIII. **Evaluation of three cases of mycotic keratitis caused by *Fusarium solani sensu stricto* (FSSC5)**  
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- LXIV. **URINARY TRACT INFECTION DUE TO PLEUROS TOMOPHORA RICHARDSIAE**  
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- LXV. **Genetic diversity and antifungal susceptibility of bloodstream *Candida albicans* isolated from Turkish patients.**  
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- LXVI. **Molecular diagnostics of arthroconidial yeasts-frequent pulmonary opportunists**

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- LXVII. **Isolation of *Cryptococcus neoformans* from a chestnut tree (*Castanea sativa*), Denizli, Turkey**  
 Sengul M. M., Kutlu M., Dogen A., Aksoy L., Gonca S., Ilkit M., Ergin C.  
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## Supported Projects

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FETTAHLIOĞLU KARAMAN B., ÇÜRÜK M. A., AÇIKALIN A., İLKİT M. M., KANDEMİR A. H., Project Supported by Higher Education Institutions, Trichophyton rubrum saptanmasında kültür, periyodik asit-Schiff boyama polimeraz zincir reaksiyonu ve xanthomegnin aktivitesi yöntemlerinin karşılaştırılması, 2015 - 2018

İLKİT M. M., TÜBİTAK Project, Patojen esmer mantar Exophiala (Wangiella) dermatitidis'in eşey tipi lokusunun (MAT) karakterizasyonu ve eşeyli üremesinin araştırılması, 2016 - 2017

İLKİT M. M., Project Supported by Higher Education Institutions, Dermatofit İzolasyonunda CDSAM (Combined Deactivators-supplemented Agar), SGA (Sabouraud Glikoz Agar) ve BLA (borrelli's Lacritmel Agar) Besiyerlerinin Karşılaştırılması, 2013 - 2017

İLKİT M. M., Project Supported by Higher Education Institutions, Exophiala Türlerinin Tanısında RCA(Rolling Circle Amplification-Yuvarlanan Çember Amplifikasyonu)Yönteminin ITS rDNA Gen Bölgesi Hedeflenerek Değerlendirilmesi, 2014 - 2016

İLKİT M. M., GÜZEL A. B., KOLTAŞ İ. S., KANDEMİR A. H., Project Supported by Higher Education Institutions, Candida ve Trichomonas Vaginitlerinin Laboratuvar Tanısında Lateks İmmünokromatografi Yönteminin Değeri, 2013 - 2016

İLKİT M. M., Project Supported by Higher Education Institutions, Uluslararası Yayınları Özendirme Desteği (14 Adet), 2013 - 2015

İLKİT M. M., Project Supported by Higher Education Institutions, Trichoptyton rubrum'un çabuk tanısında

ksantomegninin HPLC ile saptanması, 2013 - 2015

İLKİT M. M., KANDEMİR A. H., Project Supported by Higher Education Institutions, Malassezia Folikülitli Olguların Klinik ve Mikrobiyolojik Özellikleri, 2012 - 2015

## Activities in Scientific Journals

MANTAR DERGİSİ, Publication Committee Member, 2017 - Continues

Frontiers in Microbiology, Publication Committee Member, 2016 - Continues

BioMed Research International Infectious Diseases, Editor, 2015 - Continues

Medical Mycology, Publication Committee Member, 2015 - Continues

Journal of Bacteriology and Mycology, Publication Committee Member, 2015 - Continues

Current Medical Mycology, Publication Committee Member, 2015 - Continues

Turkish Journal of Medical Sciences, Assistant Editor/Section Editor, 2015 - Continues

Mycopathologia, Assistant Editor/Section Editor, 2015 - Continues

Mikrobiyoloji Bülteni, Committee Member, 2015 - Continues

International Journal of Molecular and Clinical Microbiology, Publication Committee Member, 2015 - 2015

## Memberships / Tasks in Scientific Organizations

Tıbbi Mikoloji Derneği, Board Member, 2011 - Continues

## Scientific Refereeing

The Journal of Infection in Developing Countries, Other Indexed Journal, March 2018

Genome Biology and Evolution, SCI Journal, June 2017

Clinical Microbiology and Infection, SCI Journal, May 2017

Frontiers in Microbiology, SCI Journal, April 2017

Medical Mycology, SCI Journal, March 2017

MYCOSES, SCI Journal, February 2017

Scientific Reports, SCI Journal, January 2017

British Journal of Dermatology, SCI Journal, April 2016

Mycoses, SCI Journal, March 2016

Medical Mycology, SCI Journal, March 2016

Mycopathologia, SCI Journal, February 2016

Fungal Biology, SCI Journal, January 2016

Diagnostic Microbiology and infectious diseases, SCI Journal, July 2015

Medical Mycology, SCI Journal, January 2015

## Scientific Research / Working Group Memberships

ISHAM Working Group-Cryptococcus, ISHAM, Hollanda, <https://www.isham.org/working-groups>, 2008 - Continues

ISHAM Black-Yeast Group, ISHAM, Hollanda, <https://www.isham.org/working-groups>, 2008 - Continues

## Metrics

Publication: 225

Citation (WoS): 1867

Citation (Scopus): 2173

H-Index (WoS): 24

H-Index (Scopus): 25

## **Congress and Symposium Activities**

2nd International Clinical Mycology Master Class: Challenges in Diagnosis and Management of Invasive Fungal Diseases,  
Attendee, İzmir, Turkey, 2017

## **Non Academic Experience**

Ceyhan Devlet Hastanesi

Verem Savaş Dispanseri