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Research Areas

Mycology, Food Microbiology, Food Biotechnology, Mycology, Microbial Genetics, Evolution, Population Genetics

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Genetic diversity and population structure of *Penicillium roqueforti* isolates from Turkish blue cheeses**
Kirtil H. E., Orakci A., ARICI M., Metin B.
International Journal of Food Microbiology, vol.421, 2024 (SCI-Expanded)
- II. **A rapid spectroscopic method for the identification of the filamentous fungi isolated from Turkish traditional mold-ripened cheeses**
Kirtil H. E., ÇEBİ N., Yildirim R. M., Metin B., ARICI M.
Journal of Microbiological Methods, vol.217-218, 2024 (SCI-Expanded)
- III. **Bacterial Dynamics of Hardaliye, a Fermented Grape Beverage, Determined by High-throughput Sequencing**
Metin B., Pehlivanoglu H., Yildirim Servi E., ARICI M.
Tarim Bilimleri Dergisi, vol.29, no.3, pp.756-764, 2023 (SCI-Expanded)
- IV. ***Penicillium roqueforti* Secondary Metabolites: Biosynthetic Pathways, Gene Clusters, and Bioactivities**
Metin B.
Fermentation, vol.9, no.9, 2023 (SCI-Expanded)
- V. **Mycobiota of konya mold-ripened (Kuflu) tulum cheese and the diversity of *penicillium roqueforti* isolates Konya küflü tulum peynirinin mikobiyotası ve *penicillium roqueforti* izolatlarının çeşitliliği**
Seri M., Metin B.
Ankara Üniversitesi Veteriner Fakültesi Dergisi, vol.68, no.4, pp.349-354, 2021 (SCI-Expanded)
- VI. **She Loves Me, She Loves Me Not: On the Dualistic Asexual/Sexual Nature of Dermatophyte Fungi**
Metin B., Heitman J.
Mycopathologia, vol.185, no.1, pp.87-101, 2020 (SCI-Expanded)
- VII. **Mating type (MAT) locus and possible sexuality of the opportunistic pathogen *Exophiala dermatitidis***
Metin B., Döğen A., Yildırım E., de Hoog G. S., Heitman J., Ilkit M.
Fungal Genetics and Biology, vol.124, pp.29-38, 2019 (SCI-Expanded)

- VIII. **Mating genotypes and susceptibility profiles of clinical isolates of *Candida glabrata* from Turkey**
KAPLAN E., Aktaş D., ÖNDER S., Metin B., Döğen A., ÖZ Y., Ilkit M.
Mycoses, vol.62, no.9, pp.796-802, 2019 (SCI-Expanded)
- IX. **Whole-genome analysis illustrates global clonal population structure of the ubiquitous dermatophyte pathogen *Trichophyton rubrum***
Persinoti G. F., Martinez D. A., Li W., Döğen A., Billmyre R. B., Averette A., Goldberg J. M., Shea T., Young S., Zeng Q., et al.
Genetics, vol.208, no.4, pp.1657-1669, 2018 (SCI-Expanded)
- X. **Overview of selected virulence attributes in *Aspergillus fumigatus*, *Candida albicans*, *Cryptococcus neoformans*, *Trichophyton rubrum*, and *Exophiala dermatitidis***
Boral H., Metin B., Döğen A., Seyedmousavi S., Ilkit M.
Fungal Genetics and Biology, vol.111, pp.92-107, 2018 (SCI-Expanded)
- XI. **MTL genotypes, phenotypic switching, and susceptibility profiles of *Candida parapsilosis* species group compared to *Lodderomyces elongisporus***
Döğen A., Metin B., Ilkit M., De Hoog G. S., Heitman J.
PLOS ONE, vol.12, no.8, 2017 (SCI-Expanded)
- XII. **Sexual Reproduction in Dermatophytes**
Metin B., Heitman J.
Mycopathologia, vol.182, no.1-2, pp.45-55, 2017 (SCI-Expanded)
- XIII. **Validation of *Kwoniella heveanensis*, teleomorph of the basidiomycetous yeast *Cryptococcus heveanensis***
Sun S., Metin B., Findley K., Fonseca A., Heitman J.
Mycotaxon, vol.116, pp.227-229, 2011 (SCI-Expanded)
- XIV. **The mating type locus (MAT) and sexual reproduction of *Cryptococcus heveanensis*: Insights into the evolution of sex and sex-determining chromosomal regions in fungi**
Metin B., Findley K., Heitman J.
PLOS Genetics, vol.6, no.5, pp.14, 2010 (SCI-Expanded)
- XV. **Organization and evolutionary trajectory of the mating type (MAT) locus in dermatophyte and dimorphic fungal pathogens**
Li W., Metin B., White T. C., Heitman J.
Eukaryotic Cell, vol.9, no.1, pp.46-58, 2010 (SCI-Expanded)
- XVI. **Phylogeny and phenotypic characterization of pathogenic *Cryptococcus* species and closely related saprobic taxa in the tremellales**
Findley K., Rodriguez-Carres M., Metin B., Kroiss J., Fonseca Á., Vilgalys R., Heitman J.
Eukaryotic Cell, vol.8, no.3, pp.353-361, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **DYNAMICS OF LACTIC ACID BACTERIA DURING PASTIRMA PRODUCTION**
Metin B., Toy A.
Journal of Microbiology, Biotechnology and Food Sciences, vol.12, no.4, 2023 (ESCI)
- II. **Molecular Identification and Technological Properties of Acetic Acid Bacteria Isolated from Malatya Apricot and Home-Made Fruit Vinegars**
Buyukduman E., Kirtil H. E., Metin B.
Microbiology and Biotechnology Letters, vol.50, no.1, pp.81-88, 2022 (Scopus)
- III. **Functional analysis of *Triticum durum* type 1 metallothionein gene (dMT) in response to varying levels of cadmium**
YEŞİLİRMAK F., Ozturk Gökçe Z. N., Metin B., Sayers Z.
Indian Journal of Plant Physiology, vol.23, no.1, pp.140-147, 2018 (Scopus)

Supported Projects

Metin B., Project Supported by Higher Education Institutions, BAP-1000-115: Pastırma üretim sürecinden izole edilen *Pseudomonas* türlerinin karakterizasyonu, 2022 - 2023

Metin B., Döğen A., İlkit M. M., TÜBİTAK Project, 215S106-Patojen Esmer Mantar *Exophiala Wangiella* Dermatitidis in Eşey Tipi Lokusunun Mat Karakterizasyonu ve Eşeyli Üremesinin Araştırılması, 2016 - 2017

Metin B., Pehlivanoglu H., Project Supported by Higher Education Institutions, BAP-1000-02 Geleneksel Fermente İçeceğimiz Hardaliyenin Bakteriyel Çeşitliliğinin 16 S rDNA Geni Hedefli Metagenomik Yöntemle Belirlenmesi, 2015 - 2016

Metrics

Publication: 19

Citation (Scopus): 383

H-Index (Scopus): 8