

## Asst. Prof. Taha Yasin KOÇ

### Personal Information

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### Education

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji ve Genetik Anabilim Dalı, Turkey 2018 - 2024

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Biyoloji Anabilim Dalı, Turkey 2011 - 2015

Undergraduate, Ataturk University, Fen Fakültesi, Biyoloji, Turkey 2007 - 2011

### Journal articles indexed in SCI, SSCI, and AHCI

#### I. Removal of crystal violet dye from aqueous solutions using *Robinia pseudoacacia L.* (Fabaceae)

##### Fruits biosorbent

Güllüce E., KARADAYI M., Gülşahin Y., Çolak İ., KOÇ T. Y., HIDIROĞLU İSPİRLİ N., GÜLLÜCE M.

International Journal of Phytoremediation, 2024 (SCI-Expanded)

#### II. Evaluation of the protective properties and genotoxic potential of pyrazolo pyridine derivatives against neutron and gamma radiation using the Ames/Salmonella test system

Aygün B., Alaylar B., TURHAN K., KARADAYI M., CİNAN E., TURGUT Z., Sezer T., SOLA V., Koc T. Y., KARABULUT A.

International Journal of Radiation Biology, vol.100, no.8, pp.1213-1225, 2024 (SCI-Expanded)

#### III. In Vitro Genotoxic and Antigenotoxic Effects of Ten Novel Synthesized 4-Thiazolidinone Derivatives

Alaylar B., GÜLLÜCE M., TURHAN K., Koç T. Y., KARADAYI M., TUĞCU F. T., Isaoglu M.

Chemistry and Biodiversity, vol.20, no.9, 2023 (SCI-Expanded)

#### IV. Isolation of Methylene Blue from Aqueous Solution Using a *Fraxinus Excelsior L.* (Oleaceae) Based Biosorbent: Isotherm, Kinetics, and Thermodynamics

Gulluce E., Koc T. Y., GÜLLÜCE M., KARADAYI M.

ANALYTICAL LETTERS, vol.56, no.3, pp.422-432, 2023 (SCI-Expanded)

#### V. Characterization of Bacterial Flora from Afsin-Elbistan Lignite Mine for Potential Microbial Biotech Applications

Sezen S., GÜLLÜCE M., KARADAYI M., Isik C., Alaylar B., Dogan S., Koc T. Y.

GEOMICROBIOLOGY JOURNAL, vol.37, no.9, pp.798-803, 2020 (SCI-Expanded)

#### VI. Isolation and Molecular Identification of Fungi with Magnesite Enrichment Potential from KuMAS Quarries in Turkey

GÜLLÜCE M., Dogan S., KARADAYI M., Alaylar B., Koc T. Y., Sezen S.

GEOMICROBIOLOGY JOURNAL, vol.37, no.7, pp.618-622, 2020 (SCI-Expanded)

### Articles Published in Other Journals

#### I. Potential Using of Resveratrol and Its Derivatives in Medicine

Koc T. Y., Dogan S., KARADAYI M.

Eurasian Journal of Medicine, vol.56, no.2, pp.136-141, 2024 (ESCI)

#### II. Effect of Bacteriocins on the Intestinal Microbiota

- Dogan S., Koc T. Y., KARADAYI M.  
EURASIAN JOURNAL OF MEDICINE, vol.55, 2023 (ESCI)
- III. **The in-vitro Wound Healing Potential of Essential Oil Extracted from *Mentha longifolia* L.**  
Sezen S., Ertuğrul M. S., Bayram C., Özkaraca M., Koç T. Y., Demir A. Y., Güllüce M., Hacımüftüoğlu A.  
Journal of research in pharmacy (online), vol.27, no.3, pp.1220-1233, 2023 (ESCI)
- IV. **Rhizospheric PGPR Strains of Wheat, Barley and Trefoil Grown in Ağrı Province**  
ALAYLAR B., GÜLLÜCE M., KARADAYI M., KOÇ T. Y., KARADAYI G.  
Türk Doğa ve Fen Dergisi, vol.10, pp.182-190, 2021 (Peer-Reviewed Journal)
- V. **Adaption of COBRA Method for The Investigation of Nutrition-Based DNA Methylation Mechanism in *Escherichia coli***  
KOÇ T. Y., GÜLLÜCE M., ALAYLAR B., KARADAYI M.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, pp.2383-2393, 2020 (Peer-Reviewed Journal)
- VI. **Isolation and Molecular Characterization of Bacterial Strains with Magnesite Enrichment Potential from Gümüşhane Soil**  
DOĞAN S., KOÇ T. Y., ALAYLAR B., KARADAYI M., GÜLLÜCE M., İSAOĞLU M.  
International Journal of Scientific & Engineering Research, 2019 (Peer-Reviewed Journal)
- VII. **Lignocellulosic Bioethanol-Producing Fusarium Isolates from the Eastern Anatolia**  
KARADAYI M., GÜLLÜCE M., ALAYLAR B., KOÇ T. Y., İSAOĞLU M.  
Lignocellulosic Bioethanol-Producing Fusarium Isolates from the Eastern Anatolia, 2018 (Peer-Reviewed Journal)
- VIII. **Epigenetics: An Innovative Approach for Biotechnology and Food Science**  
GÜLLÜCE M., ALAYLAR B., KOÇ T. Y., KARADAYI M.  
International Journal of Bioscience, Biochemistry and Bioinformatics, vol.4, 2014 (Peer-Reviewed Journal)

### Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Isolation and molecular characterization of fungi with magnesite enrichment potential**  
DOGAN S., KOC T. Y., KARADAYI M., ALAYLAR B., SEZEN S., GÜLLÜCE M.  
European Biotechnology Conference, Latvia, 5 - 07 May 2016, vol.231, (Summary Text)

### Metrics

Publication: 17  
Citation (WoS): 6  
Citation (Scopus): 11  
H-Index (WoS): 2  
H-Index (Scopus): 2