

# Assoc. Prof. YUSUF DORUK ARACAGÖK

## Personal Information

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## International Researcher IDs

ORCID: 0000-0002-0354-0817

ScopusID: 57212680007

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## Education

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji/Biyoteknoloji, Turkey 2010 - 2016

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Turkey 2007 - 2010

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Mikro kirletici bazı ilaçların fungal kaynaklar ile biyodegradasyonun araştırılması, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2016

## Research Areas

Life Sciences, Biotechnology, Environmental Biotechnology, Natural Sciences

## Academic Positions

Associate Professor, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2024 - Continues

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

- I. The immune response of upper and lower airway epithelial cells to *Aspergillus fumigatus* and *Candida albicans*-derived  $\beta$ -glucan in Th17 type cytokine environment**  
Turkbey M., Karaguzel D., Uzunkaya A. D., Aracagök Y. D., Karaaslan C.  
ARCHIVES OF MICROBIOLOGY, vol.207, no.70, pp.1-15, 2025 (SCI-Expanded)
- II. Adsorption of azo dye by biomass and immobilized *Yarrowia lipolytica*; equilibrium, kinetic and thermodynamic studies**  
Hassan Ibrahim A. H., CİHANGİR N., İDİL N., ARACAGÖK Y. D.  
World Journal of Microbiology and Biotechnology, vol.40, no.5, 2024 (SCI-Expanded)

- III. **A study on the removal of Reactive black 5 with *Tenebrio molitor* adult chitin chemically modified with cetyltrimethylammonium bromide**  
Aracagök Y. D., Torun M., Kabalak M.  
BIOMASS CONVERSION AND BIOREFINERY, vol.0, 2023 (SCI-Expanded)
- IV. **Adsorption of rhodamine B by *Pleurotus eryngii*: growth, modification, characterization, adsorption isotherms, kinetics and thermodynamics**  
TORUN M., ARACAGÖK Y. D.  
Biomass Conversion and Biorefinery, 2023 (SCI-Expanded)
- V. **Biosorption of lead by a soil isolate *Aspergillus neoalliaceus***  
ARACAGÖK Y. D.  
ARCHIVES OF MICROBIOLOGY, vol.204, no.9, 2022 (SCI-Expanded)
- VI. **Biosorption of Remazol Brilliant Blue R dye onto chemically modified and unmodified *Yarrowia lipolytica* biomass**  
ARACAGÖK Y. D.  
ARCHIVES OF MICROBIOLOGY, vol.204, no.2, 2022 (SCI-Expanded)
- VII. **Fungal biosorption of cadmium(II) onto *Fennelia nivea* from aqueous solution: equilibrium, thermodynamics, and kinetics**  
ARACAGÖK Y. D., Ogun E., TORUN M., Akyil H., CİHANGİR N., Sanin S. L.  
DESALINATION AND WATER TREATMENT, vol.222, pp.386-393, 2021 (SCI-Expanded)
- VIII. **Laccase bound to cryogel functionalized with phenylalanine for the decolorization of textile dyes**  
Percin I., ARACAGÖK Y. D., İDİL N., DENİZLİ A., Mattiasson B.  
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.5, pp.1353-1365, 2021 (SCI-Expanded)
- IX. **Extraction, characterization and comparison of chitins from large bodied four Coleoptera and Orthoptera species**  
Kabalak M., Aracagök Y. D., Torun M.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.145, pp.402-409, 2020 (SCI-Expanded)
- X. **Biodegradation of diclofenac with fungal strains**  
ARACAGÖK Y. D., Goker H., CİHANGİR N.  
ARCHIVES OF ENVIRONMENTAL PROTECTION, vol.44, no.1, pp.55-62, 2018 (SCI-Expanded)
- XI. **Biodegradation of micropollutant naproxen with a selected fungal strain and identification of metabolites**  
ARACAGÖK Y. D., Goker H., CİHANGİR N.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.72, pp.173-179, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **An investigation of the Trypan blue dye's biosorption on fungal biomass**  
ARACAGÖK Y. D.  
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.13, no.3, pp.605-615, 2023 (Peer-Reviewed Journal)
- II. **A New Approach for Dye Removal with a Polymer: Removal of Acid Orange 12 from Aqueous Solution with Shrimp Chitin**  
ARACAGÖK Y. D., KABALAK M., KOŞARSOY AĞÇELİ G.  
Commagene Journal of Biology, vol.6, 2022 (Scopus)
- III. **In Vitro Evaluation Of Naproxen Metabolite, O-Desmethylnaproxen On A MouseConnective Tissue Fibroblast Cells**  
Çetin E., Aracagök Y. D., Göker H., Onur M. A., Cihangir N.  
Hacettepe Journal of Biology and Chemistry, vol.49, no.1, pp.25-36, 2021 (Peer-Reviewed Journal)
- IV. **Decolorization of Reactive Blue 19 Dye by *Bacillus megaterium* Isolated from soil.**  
ERDEM Ö., ERKAN TÜRKMEN K., ERDÖNMEZ D., ARACAGÖK Y. D., CİHANGİR N.

Hacettepe journal of biology and chemistry, vol.47, no.2, pp.193-201, 2019 (Peer-Reviewed Journal)

**V. Decolorization of Reactive Blue 24 Dye by *Fennellia nivea***

ARACAGÖK Y. D., AKYIL M. H., ERDEM Ö., CİHANGİR N.

Eur Asia 2016 Waste Management Symposium Proceeding Book, pp.1-5, 2016 (Peer-Reviewed Journal)

**VI. Decolorization of Reactive Black 5 by *Yarrowia lipolytica* NBRC 1658**

ARACAGÖK Y. D., CİHANGİR N.

American Journal of Microbiological Research, vol.1, pp.16-20, 2013 (Peer-Reviewed Journal)

## **Papers Presented at Peer-Reviewed Scientific Conferences**

**I. Adsorption of Reactive Red 120 on Chitin**

ARACAGÖK Y. D., TORUN M., KABALAK M.

7th INTERNATIONAL CONGRESS on MOLECULAR BIOLOGY and BIOTECHNOLOGY, 25 - 27 April 2018, (Summary Text)

**II. Extraction and Physicochemical Properties of Chitins from Four Different Insect Species**

KABALAK M., ARACAGÖK Y. D., TORUN M.

The 3rd International Symposium on EuroAsian Biodiversity, 5 - 08 July 2017, (Summary Text)

**III. Cadmium (II) Biosorption from Aqueous Solutions by *Fennellia nivea* Powder: Effect of Physicochemical Conditions**

ÖĞÜN E., ARACAGÖK Y. D., CİHANGİR N., SANİN S. L.

ICOCEE International Conference on Civil and Environmental Engineering, Turkey, 8 - 10 May 2017, (Summary Text)

**IV. Comparison of the *Fennellia nivea* Powder and Activated Charcoal on Bioremoval of Reactive Blue 24 Dye**

AKYIL M. H., ARACAGÖK Y. D., CİHANGİR N.

2nd International Conference on Environmental Science and Technology (ICOEST), 28 September - 02 October 2016

**V. Decolorization of Reactive Red 120 Dye by *Fennellia nivea* Powder**

AKYIL M. H., ERDEM Ö., ARACAGÖK Y. D., CİHANGİR N.

European Biotechnology Congress, Riga, Lithuania, 5 - 07 May 2016, vol.231, pp.587, (Summary Text)

**VI. Decolorization of Reactive Blue 24 Dye by *Fennellia nivea* biomass**

ARACAGÖK Y. D., AKYIL M. H., ERDEM Ö., CİHANGİR N.

Eurasia 2016 Waste Management Symposium, İstanbul, Turkey, 2 - 04 May 2016, (Full Text)

**VII. Decolorization of Reactive Red 120 and Infaset Black Dyes By *Fennellia nivea* Biomass**

ERDEM Ö., ARACAGÖK Y. D., AKYIL M. H., CİHANGİR N.

1 st International Conference on Environmental Science and Technology, Sarajevo, Bosnia And Herzegovina, 9 - 13 September 2015

**VIII. Degradation of Naproxen by a Selected Fungal Strain**

ARACAGÖK Y. D., CİHANGİR N., GÖKER A. H.

6.Avrupa Biyoteknoloji Kongresi, 5 - 11 June 2015

**IX. Biodegradation of naproxen by *Aspergillus niger* and identification of some intermediates**

ARACAGÖK Y. D., Goker H., CİHANGİR N.

European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24, (Summary Text)

**X. Biodegradation of atrazine by *Phanerochaete chrysosporium* in optimized conditions**

ARACAGÖK Y. D., Kolankaya N.

European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24, (Summary Text)

## **Metrics**

Publication: 28

Citation (WoS): 61

Citation (Scopus): 95

H-Index (WoS): 5

H-Index (Scopus): 5

## **Non Academic Experience**

hacettepe, Arař. Gör