

Dr. Öğr. Üyesi MESUT BARIŞ

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Eskişehir Teknik Üniversitesi, Lisansüstü Eğitim Enstitüsü, Uzaktan Algılama Ve Coğrafi Bilgi Sistemleri (Dr),
Türkiye 2019 - Devam Ediyor
Doktora, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Bilimleri (Dr), Türkiye 2013 - 2018
Yüksek Lisans, Amir Kabir Teknik Üniversitesi, İran 2010 - 2012
Lisans, Shiraz Üniversitesi, İran 2002 - 2006

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Çevre Mühendisliği, Kimya Mühendisliği ve Teknolojisi, İnşaat Mühendisliği, Mühendislik ve Teknoloji

Verdiği Dersler

GENERAL CHEMISTRY, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020

KİMYA, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

COĞRAFİ BİLGİ SİSTEMLERİ VE UZAKTAN ALGILAMA TEMEL KAVRAMLARI, Doktora, 2022 - 2023

MATERIALS CHEMISTRY, Lisans, 2021 - 2022

MALZEME KİMYASI, Lisans, 2021 - 2022

ANALİTİK KİMYA, Lisans, 2020 - 2021, 2019 - 2020

MATEMATİK MODELLEME, Yüksek Lisans, 2020 - 2021

ANALYTICAL CHEMISTRY, Lisans, 2020 - 2021

SU KİRLİLİĞİ VE KONTROLÜ, Doktora, 2020 - 2021

MATEMATİK I, Ön Lisans, 2019 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Carbon dioxide absorption using monoethanolamine, piperazine and n-metil-2-pirolidon solvents under counter current regime in packed column reactor**

GÜL A., BARIŞ M., Un U. T.

International Journal of Greenhouse Gas Control, cilt.131, 2024 (SCI-Expanded)

- II. **GIS-based forest fire risk determination for Milas district, Turkey**

Cetin M., Isik Pekkan Ö., Ozenen Kavlak M., ATMACA İ., Nasery S., Derakhshandeh M., Cabuk S. N.

- Natural Hazards, cilt.119, sa.3, ss.2299-2320, 2023 (SCI-Expanded)
- III. Evaluating the impact of dam construction on extreme shrinkage of Urmia Lake using spatial data**
BARIŞ M.
Environmental Monitoring and Assessment, cilt.195, sa.11, 2023 (SCI-Expanded)
- IV. Microalgae as a Source for Bioenergy: a Search for an Energy-Efficient Process**
Derakhshandeh M.
Bioenergy Research, cilt.16, sa.2, ss.1065-1072, 2023 (SCI-Expanded)
- V. Comprehensive Review of Transcriptomics (RNAs) Workflows from Blood Specimens**
Husseini A. A., Derakhshandeh M., Tatlisu N. B.
Separation and Purification Reviews, cilt.51, sa.1, ss.57-77, 2022 (SCI-Expanded)
- VI. Calibration of METRIC Modeling for Evapotranspiration Estimation Using Landsat 8 Imagery Data**
Derakhshandeh M., Tombul M.
Water Resources Management, cilt.36, sa.1, ss.315-339, 2022 (SCI-Expanded)
- VII. Renewable Bio-Oil from Pyrolysis of Synechocystis and Scenedesmus Wild-Type Microalgae Biomass**
Derakhshandeh M., Ateş F., Tezcan Un U.
Bioenergy Research, cilt.14, sa.3, ss.991-1001, 2021 (SCI-Expanded)
- VIII. Evaluation of Wild-Type Microalgae Species Biomass as Carbon Dioxide Sink and Renewable Energy Resource**
Derakhshandeh M., ATICI T., Tezcan Un U.
Waste and Biomass Valorization, cilt.12, sa.1, ss.105-121, 2021 (SCI-Expanded)
- IX. Lipid extraction from microalgae Chlorella and Synechocystis sp. using glass microparticles as disruption enhancer**
Derakhshandeh M., ATICI T., UN U. T.
Energy and Environment, cilt.30, sa.8, ss.1341-1355, 2019 (SSCI)
- X. Optimization of microalgae Scenedesmus SP. growth rate using a central composite design statistical approach**
Derakhshandeh M., Tezcan Un U.
Biomass and Bioenergy, cilt.122, ss.211-220, 2019 (SCI-Expanded)
- XI. An experimental comparison of convective heat transfer and friction factor of Al₂O₃ nanofluids in a tube with and without butterfly tube inserts**
Azari A., Derakhshandeh M.
Journal of the Taiwan Institute of Chemical Engineers, cilt.52, ss.31-39, 2015 (SCI-Expanded)
- XII. An experimental comparison of water based alumina and silica nanofluids heat transfer in laminar flow regime**
Ahmad A., Mansour K., Masoud D.
Journal of Central South University, cilt.20, sa.12, ss.3582-3588, 2013 (SCI-Expanded)
- XIII. An experimental study on nanofluids convective heat transfer through a straight tube under constant heat flux**
Azari A., Kalbasi M., Derakhshandeh M., Rahimi M.
Chinese Journal of Chemical Engineering, cilt.21, sa.10, ss.1082-1088, 2013 (SCI-Expanded)

Düger Dergilerde Yayınlanan Makaleler

- I. Optimization of carbon dioxide absorption in a continuous bubble column reactor using response surface methodology**
GÜL A., BARIŞ M., TEZCAN ÜN Ü.
ENVIRONMENTAL QUALITY MANAGEMENT, cilt.1, sa.33, ss.79-93, 2023 (Scopus)
- II. Effect of light on growth of green microalgae Scenedesmus quadricauda: influence of light intensity, light wavelength and photoperiods**
Fettah N., Derakhshandeh M., Tezcan Un U., Mahmoudi L.

International Journal of Energy and Environmental Engineering, cilt.13, sa.2, ss.703-712, 2022 (ESCI)

III. Study of Spraying Technology on Absorber Performances in a H₂O/LiBr Absorption Chiller

Maouche W., Douani M., Labbacı A., TEZCAN ÜN Ü., BARIŞ M.

KEMIJA U INDUSTRIJI/JOURNAL OF CHEMISTS AND CHEMICAL ENGINEERS, cilt.71, 2022 (ESCI)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Enhanced Lipid Extraction from Microalgae Synechocystis and Chlorella Sp. Using Micro and Nano Particles of Glass

BARIŞ M., UNVER Z. M., ATICI T., TEZCAN ÜN Ü.

7th Int. CeBiTec Research Conference on Prospects and challenges for the development of algal biotechnology,
Almanya, 24 Eylül 2017

Desteklenen Projeler

BARIŞ M., Yükseköğretim Kurumları Destekli Proje, Mikroalg Türleri Kullanılarak Nanopartikül Biyosentezi ve Üretilen Nanopartiküllerin Antibakteriyel Özelliklerinin Karakterizasyonu/İncelenmesi, 2021 - 2022

BARIŞ M., Yükseköğretim Kurumları Destekli Proje, 102-Araştırma Destek Projesi (ADP), 2019 - 2020

BARIŞ M., Yükseköğretim Kurumları Destekli Proje, 101.a-Genel Amaçlı Projeler (GAP), 2017 - 2019