

## Dr. Öğr. Üyesi MAHAMMED ILYAS BASHA KHAZI

### Kişisel Bilgiler

İş Telefonu: [+90 224 294 1803](tel:+902242941803)

E-posta: [ilyaskhazi@uludag.edu.tr](mailto:ilyaskhazi@uludag.edu.tr)

Web: <https://avesis.uludag.edu.tr/ilyaskhazi>

### Uluslararası Araştırmacı ID'leri

ORCID: 0000-0002-9159-2819

Yoksis Araştırmacı ID: 409705

### Eğitim Bilgileri

Doktora, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Biyoteknoloji, Türkiye 2013 - 2018

### Araştırma Alanları

Temel Bilimler

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Biovalorization of Lignin-Derived Substrates to Vanillylamine via a Self-Sufficient Amino Donor and Cofactor Recycling Whole-Cell Platform.**  
Liaqat F., Khazi M. I. B., Ji T., Liaqat N., Le Y., Al-Ghanim K. A., Nawaz M. Z., Barceló D., Zhu D.  
Environmental research, ss.120112, 2024 (SCI-Expanded)
- II. **Lignin biotransformation: Advances in enzymatic valorization and bioproduction strategies**  
Ji T., Liaqat F., Khazi M. I. B., Liaqat N., Nawaz M. Z., Zhu D.  
Industrial Crops and Products, cilt.216, 2024 (SCI-Expanded)
- III. **Development of an efficient process to extract C-phycocyanin from marine cyanobacterial strains and evaluation of its bioactive potential**  
Khazi M. I. B., Demirel Z., Liaqat F., Eltem R., Conk Dalay M.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, sa.NA, ss.1-10, 2024 (SCI-Expanded)
- IV. **Fermentation, functional analysis, and biological activities of turmeric kombucha**  
Khazi M. I. B., Liaqat F., Liu X., Yan Y., Zhu D.  
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, cilt.104, sa.2, ss.759-768, 2024 (SCI-Expanded)
- V. **Advances in the vanillin synthesis and biotransformation: A review**  
Xu L., Liaqat F., Sun J., Khazi M. I. B., Xie R., Zhu D.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.189, 2024 (SCI-Expanded)
- VI. **Extraction, purification, and applications of vanillin: A review of recent advances and challenges**  
Liaqat F., Xu L., Khazi M. I. B., Ali S., Rahman M. U., Zhu D.  
INDUSTRIAL CROPS AND PRODUCTS, cilt.204, 2023 (SCI-Expanded)
- VII. **Astaxanthin production from the microalga *Haematococcus lacustris* with a dual substrate mixotrophy strategy**  
Khazi M. I. B., Liaqat F., Gu W., Mohamed B., Zhu D., Li J.  
BIOTECHNOLOGY JOURNAL, cilt.18, sa.10, 2023 (SCI-Expanded)

- VIII. **Utilization of glycosyltransferases as a seamless tool for synthesis and modification of the oligosaccharides-A review**  
Ali M. Y., Liaqat F., Khazi M. I. B., Sethupathy S., Zhu D.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.249, 2023 (SCI-Expanded)
- IX. **Characterization of different chitosanases of *Bacillus* strains and their application in chitoooligosaccharides production**  
Liaqat F., Akgun I. H., Khazi M. I. B., ELTEM R.  
JOURNAL OF BASIC MICROBIOLOGY, cilt.63, sa.3-4, ss.404-416, 2023 (SCI-Expanded)
- X. **Natural deep eutectic solvents-based green extraction of vanillin: optimization, purification, and bioactivity assessment**  
Xu L., Liaqat F., Khazi M. I. B., Sun J., Zhu D.  
FRONTIERS IN NUTRITION, cilt.10, 2023 (SCI-Expanded)
- XI. **Mixotrophic cultivation of microalgae for carotenoid production**  
Liaqat F., Khazi M. I. B., Bahadar A., He L., Aslam A., Liaquat R., Agathos S. N., Li J.  
REVIEWS IN AQUACULTURE, cilt.15, ss.35-61, 2023 (SCI-Expanded)
- XII. **Acclimation and Characterization of Marine Cyanobacterial Strains *Euryhalinema* and *Desertifilum* for C-Phycocyanin Production**  
Khazi M. I. B., Li C., Liaqat F., Malec P., Li J., Fu P.  
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, cilt.9, 2021 (SCI-Expanded)
- XIII. **Sequential Continuous Mixotrophic and Phototrophic Cultivation Might Be a Cost-Effective Strategy for Astaxanthin Production From the Microalga *Haematococcus lacustris***  
Khazi M. I. B., Shi L., Liaqat F., Yang Y., Li X., Yang D., Li J.  
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, cilt.9, 2021 (SCI-Expanded)
- XIV. **Evaluation of growth and phycobiliprotein composition of cyanobacteria isolates cultivated in different nitrogen sources**  
Khazi M. I. B., Demirel Z., Dalay M. C.  
JOURNAL OF APPLIED PHYCOLOGY, cilt.30, sa.3, ss.1513-1523, 2018 (SCI-Expanded)
- XV. **Sequential optimization and kinetic modeling of L-asparaginase production by *Pectobacterium carotovorum* in submerged fermentation**  
Sanjeeviroyar A., Rajendran A., Muthuraj M., Basha K. M., Thangavelu V.  
ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING, cilt.5, sa.5, ss.743-755, 2010 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Variation in growth, fucoxanthin, fatty acids profile and lipid content of marine diatoms *Nitzschia* sp. and *Nanofrustulum shiloi* in response to nitrogen and iron**  
ŞAHİN M., Khazi M. I. B., Demirel Z., Dalay M. C.  
BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY, ss.390-398, 2019 (ESCI)
- II. **Enhancement of biomass and phycocyanin content of spirulina platensis**  
Khazi M. I. B., Demirel Z., Dalay M. C.  
Frontiers in Bioscience - Elite, cilt.10, sa.2, ss.276-286, 2018 (Scopus)

## **Kitap & Kitap Bölümleri**

- I. **Antimicrobial studies of metal oxide nanomaterials**  
Liaqat F., Khazi M. I. B., Awan A. S., Eltem R., Li J.  
Metal Oxide-Carbon Hybrid Materials, Muhammad Akram Chaudhry, Rafaqat Hussain, Faheem K. Butt, Editör,  
Elsevier Science, Oxford/Amsterdam, Amsterdam, ss.407-435, 2022
- II. **Analytical Grade Purification of Phycocyanin from Cyanobacteria.**

Khazi M. I. B., Demirel Z., Liaqat F., Dalay M. C.

Biofuels from Algae, Kristian Spilling, Editör, Humana Press, Inc. , New York, ss.173-179, 2019

## **Patent**

Khazi M. I. B., Li J., Method for culturing Haematococcus pluvialis to produce natural astaxanthin, Patent, BÖLÜM A İnsan İhtiyaçları, Buluşun Tescil No: CN202111051171.3 , Standart Tescil, 2021

## **Metrikler**

Yayın: 19

Atf (WoS): 197

Atf (Scopus): 230

H-İndeks (WoS): 7

H-İndeks (Scopus): 9