

Res. Asst. Tuğba ORAK

Personal Information

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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik Anabilim Dalı, Turkey 2017 - Continues

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik Anabilim Dalı, Turkey 2015 - 2017

Undergraduate, Ataturk University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, Turkey 2011 - 2015

Research Areas

Natural Sciences

Courses

Hücre Biyolojisi Laboratuvarı, Undergraduate, 2021 - 2022

Biyoteknoloji Laboratuvarı, Undergraduate, 2020 - 2021

Temel Genetik Laboratuvarı, Undergraduate, 2021 - 2022

Genel Biyoloji Laboratuvarı II, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Farnesol and tyrosol: novel inducers for microbial production of carotenoids and prodigiosin**
Kiziler M. E., Orak T., Doymuş M., Arslan N. P., Adıgüzel A., Taşkın M.
ARCHIVES OF MICROBIOLOGY, vol.204, no.1, 2022 (SCI-Expanded)
- II. **Preparation of chitosan from waste shrimp shells fermented with Paenibacillus jamilae BAT1**
Taser B., Ozkan H., Adiguzel A., Orak T., Baltacı M. Ö., Taskin M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.183, pp.1191-1199, 2021 (SCI-Expanded)
- III. **Evaluation of tyrosol and farnesol as inducer in pigment production by Monascus purpureus ATCC16365**
Erkaya S., Arslan N. P., Orak T., Esim N., Taşkın M.
JOURNAL OF BASIC MICROBIOLOGY, vol.60, no.8, pp.669-678, 2020 (SCI-Expanded)
- IV. **Enhancement of Amylase and Lipase Production from Bacillus licheniformis 016 Using Waste Chicken Feathers as Peptone Source**
Baltacı M. Ö., Orak T., Taşkın M., Adıgüzel A., Özkan H.
Waste and Biomass Valorization, vol.11, no.5, pp.1809-1819, 2020 (SCI-Expanded)
- V. **Chicken feather peptone: A new alternative nitrogen source for pigment production by Monascus**

purpureus

ORAK T., CAGLAR O., Ortucu S., ÖZKAN H., TAŞKIN M.

Journal of Biotechnology, vol.271, pp.56-62, 2018 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Use of Raw Glycerol As Carbon Source In The Microbial Production Of Biotechnological Substances**
Orak T., Albayrak Ş., Adıgüzel A., Özkan H., Taşkın M.
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Erzurum, Turkey, 10 - 12 September 2021, pp.319-331
- II. **MICROBIAL EXOPOLYSACCHARIDES**
Albayrak Ş., Orak T., Adıgüzel A., Taşkın M., Özkan H.
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021) , Erzurum, Turkey, 10 - 12 September 2021, pp.53-54
- III. **MİKROBİYAL LİPİDLER VE BİYOTEKNOLOJİK UYGULAMALARI**
Doymuş M., Taşkın M., Orak T.
HOCA AHMET YESEVİ 2.ULUSLARARASI BİLİMSEL ARAŞTIRMALAR KONGRESİ, Erzurum, Turkey, 6 - 08 December 2019, pp.38-49
- IV. **MİKROBİYAL PİGMENTLERİN ÜRETİMİ VE BİYOTEKNOLOJİK UYGULAMALARI**
Doymuş M., Taşkın M., Orak T.
HOCA AHMET YESEVİ 2.ULUSLARARASI BİLİMSEL ARAŞTIRMALAR KONGRESİ, Erzurum, Turkey, 6 - 08 December 2019, pp.50-63

Tasks In Event Organizations

Kalecik S., Sarıtaş S., Kılıç D., Ünver Y., Nişancı B., Toraman E., Ömeroğlu M. A., Orak T., Taş S., Levet A., et al., 1st International Symposium On Recent Advances In Fundamental And Applied Sciences (Isfas-2021), Scientific Congress, Erzurum, Turkey, Eylül 2021

Kalecik S., Sarıtaş S., Ünver Y., Nişancı B., Bayrakçeken Nişancı F., Karaman M., Ömeroğlu M. A., Orak T., Albayrak Ş., Saraç Y., et al., 1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021) , Scientific Congress, Erzurum, Turkey, Eylül 2021

Metrics

Publication: 9

Citation (WoS): 55

Citation (Scopus): 59

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

In the 1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Audience, Erzurum, Turkey, 2021

1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Audience, Erzurum, Turkey, 2021

Scholarships

Awards

Baltacı M. Ö., Adıgüzel A., Taşkın M., Özkan H., Orak T., Preparation of chitosan from waste shrimp shells fermented with *Paenibacillus jamilae* BAT1, Tübitak, September 2021