

Res. Asst.
Gülcan Aysin
KARACA



Personal Information

Office Phone: [+90 00](tel:+9000)

Email: gakaraca@yildiz.edu.tr

Web:

<https://avesis.yildiz.edu.tr/17231>

Address: gakaraca@yildiz.edu.tr



International Researcher IDs

ORCID: 0000-0003-3905-851X

Yoksis Researcher ID: 344766

Education Information

Postgraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, Turkey 2021 - Continues
Undergraduate, Adana Alparslan Türkeş Science And Technology University, Faculty Of Engineering And Natural Sciences, Department Of Bioengineering, Turkey 2015 - 2020

Foreign Languages

English, C1 Advanced

Research Areas

Health Sciences, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Thermal behavior analysis and biochar formation through co-pyrolysis of de-oiled microalgae biomass and wood sawdust for ecofriendly resource utilization**
Koçer A. T., İnan B., Karaca G. A., Karacaoğlu B., Balkanlı D.
ALGAL RESEARCH, no.82, pp.1-13, 2024 (SCI-Expanded)
- Bioprospecting Antarctic microalgae as anticancer agent against PC-3 and AGS cell lines**

Articles Published in Other Journals

I. Recent advances in health biotechnology during pandemic

Arı Yuka S., Akpek A., Özarslan A., Vural A., Koçer A. T., Aslan A., Karaaltın A. B., Gök B., Yılmaz B. B., İnan B., et al.
Sigma Journal of Engineering and Natural Sciences, vol.41, no.3, pp.625-655, 2023 (ESCI)

Books & Book Chapters

I. The importance of downstream processes in algae biorefinery concept

İnan B., Koçer A. T., Karaca G. A., Karacaoğlu B., Balkanlı D.
in: Algal Bioreactors Vol 2: Science, Engineering and Technology of Downstream Processes, Eduardo Jacob-Lopes, Leila Queiroz Zepka, Mariany Costa Depra, Editor, Elsevier Science, Oxford/Amsterdam, London, pp.1, 2024

Refereed Congress / Symposium Publications in Proceedings

I. Anticancer Activity of Antarctic and Arctic Microalgal Flavonoids and Electrospayed Nanoparticles

Karaca G. A., İnan B., Erkin Ö. C., Balkanlı D.
AlgaEurope 2023, Praha, Czech Republic, 12 - 15 December 2023, pp.422

II. Determination of anticancer activity of *Chlorella sorokiniana* Egemen.001 Antarctic microalgae oil-loaded nanoparticles

Bıyıklı B., Çay B., Güner M., Karaca G. A., İnan B., Balkanlı D.
7. Ulusal Kutup Bilimleri Sempozyumu, İstanbul, Turkey, 4 - 05 December 2023, pp.1-2

III. Pyrolysis Characteristics and Kinetics of Microalgal Residues

Koçer A. T., Karaca G. A., Karacaoğlu B., Özçimen D.
6th EurAsia Waste Management Symposium, İstanbul, Turkey, 24 - 26 October 2022

IV. Cultivation of *Chlorella variabilis* YTU.ANTARCTIC.001 and Evaluating Its Anticancer Activity against PC-3 and AGS Cell Lines

İNAN B., MUTLU B., KARACA G. A., ÇAKIR KOÇ R., ÖZÇİMEN D.
III. International Enzyme and Bioprocess Days EBDays 2022, Turkey, 9 - 11 September 2022

V. Optimization of high value-added pigment production from *Chlorella variabilis* YTU.ANTARCTIC.001

Koçer A. T., İNAN B., KARACA G. A., KARACAOĞLU B., ÖZÇİMEN D.
III. International Enzyme and BioprocessDays EBDays 2022, Turkey, 9 - 11 September 2022

Supported Projects

Balkanlı D., İnan B., Koçer A. T., Karaca G. A., Karacaoğlu B., TÜBİTAK Project, Uzay Koşullarında Antarktika ve Ilıman Mikroalg Yetiştiriciliğinin Karşılaştırmalı Bir Çalışması (ALGALSPACE), 2023 - 2024
BALKANLI D., ACAR A., KARACA G. A., KARACAOĞLU B., Koçer A. T., İNAN B., KAYA Y., ERKİN Ö. C., Project Supported by Higher Education Institutions, Arktik ve Antarktik mikroalg ekstraktı yüklü nano taşıyıcıların farklı kanser hücre hatları üzerinde antikanser aktivitesinin ve apoptoz mekanizmasının incelenmesi, 2023 - 2024
BALKANLI D., MİRASOĞLU B., KAYA Y., İNAN B., KARACA G. A., EROL TAYGUN M. M., Koçer A. T., BOZKURT K., KARACAOĞLU B., Project Supported by Higher Education Institutions, Arktik ve Antarktika'dan İzole Edilen Mikroalglerin Ekstraktları ile Yüklü Nanofiberlerce Güçlendirilmiş Yara Örtü Malzemesi Üretimi, 2022 - 2023

Metrics

Publication: 10

Citation (Scopus): 4

H-Index (Scopus): 1