

Res. Assist.
Tuğçe MUTAF KILIÇ

Education Information

PhD

2020-present
Ege University
Bioengineeriing

Master

2020
Ege University
Bioengineeriing

Bachelor's

2017
Ege University
Bioengineeriing/Food Eng (DM)

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Research Topics

- Microalgal Biotechnology
- Microalgal Bioprocessing
- Green Nanotechnology
- Microalgal Pigments
- Natural textile dyestuffs

Publications

1. **Mutaf Kılıç T**, Demir A, Elibol M, Öncel SS. Microalgae pigments as a sustainable approach to textile dyeing: A critical review. Algal Research. 2023. https://dx.doi.org/10.1016/j.algal.2023.103291
2. **Mutaf Kılıç T**, Çalışkan Bilgin G, Özel H, Akağaç G, Öncel SS, Elibol M. Green synthesis of titanium nanoparticles using a sustainable microalgal metabolite solution for potential biotechnological activities. Asia Pacific Journal of Chemical Engineering. 2023. https://dx.doi.org/10.1002/apj.2954
3. **Mutaf Kılıç T**, Öncel SS. Bubble column and airlift bioreactor systems for animal cell culture applications. Asia Pacific Journal of Chemical Engineering. 2023. https://dx.doi.org/10.1002/apj.2872

You can access the other publication from here.

Project Experience

1. Investigation of the Potential of Microalgal Pigments as Natural Textile Dyestuff (TUBITAK 1005, 2023-2024, Scholarship)
2. Optimization of the Biogenic Synthesis of Silver Nanoparticles (Agnps) with the Aqueous Extract of Black Cumin Herb (Saponaria Officinalis L.) and Determination of Antioxidant Activity (BAP, 2022-2023, Researcher)
3. Investigation of Squalene Production Potential of Microalgae for Cosmetic Purposes (TÜBİTAK 1005, 2022-2023, Scholar)

You can access the other projects from here.