

## Res. Asst. MESUT SEZER

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ACS-4799-2022

ScopusID: 57948408300

Yoksis Researcher ID: 316863

### Education Information

Doctorate, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2020 - Continues

Postgraduate, Sakarya University, Institute Of Science, Turkey 2017 - 2019

Undergraduate Double Major, Sakarya University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2014 - 2018

Undergraduate, Sakarya University, Faculty Of Engineering, Department Of Environmental Engineering, Turkey 2012 - 2016

### Foreign Languages

English, B1 Intermediate

### Dissertations

Postgraduate, INVESTIGATION OF THE EFFECT OF TITANIUM DIOXIDE NANOPARTICLE ON LIPID PEROXIDATION AND ANTIOXIDANT ENZYME ACTIVITY ON CHLORELLA VULGARIS MICROALGAE, Sakarya University, Institute Of Science, 2019

### Research Areas

Environmental Engineering

### Academic Titles / Tasks

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, 2020 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimizing microplastic treatment in the effluent of biological nutrient removal processes using electrocoagulation: Taguchi experimental design**  
Sezer M., Topkaya E., Aksan S., Veli S., Arslan A.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, 2024 (SCI-Expanded)
- II. **Investigation of microplastics in advanced biological wastewater treatment plant effluent**  
Arslan A., Topkaya E., Sezer M., Aksan S., Veli S.  
Marine Pollution Bulletin, vol.203, 2024 (SCI-Expanded)
- III. **Optimizing electrocoagulation for poultry slaughterhouse wastewater treatment: a fuzzy axiomatic design approach**  
Tanatti N. P., SEZER M.  
Environmental Science and Pollution Research, vol.31, no.21, pp.31159-31173, 2024 (SCI-Expanded)
- IV. **Removal of microplastics in food packaging industry wastewaters with electrocoagulation process: Optimization by Box-Behnken design**  
Sezer M., Isgoren M., Veli S., Topkaya E., Arslan A.  
Chemosphere, vol.352, 2024 (SCI-Expanded)
- V. **Response surface optimization of electrocoagulation for the removal of C.I. Disperse Red 343 and Isolan Bordeaux 2S-B dyes**  
SEZER M., GOKTAS C. G., İŞGÖREN M., VELİ S., BİNGÖL S. N., ÇAKMAK İ. N.  
Desalination and Water Treatment, vol.317, 2024 (SCI-Expanded)
- VI. **Interaction of TiO<sub>2</sub> nanoparticles with the *C. vulgaris*: oxidative stress, lipid peroxidation and lipid amount**  
SEZER M., TANATTI N. P., SENGİL İ. A.  
WATER SCIENCE AND TECHNOLOGY, vol.86, no.8, pp.2020-2031, 2022 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Waste Carbon Felt Polymerization with Pyrrole and Usability as Cathode**  
Sezer M., İşgören M., Veli S., Dimoglo A.  
Journal of advanced research in natural and applied sciences (Online), vol.9, no.4, pp.981-989, 2023 (Peer-Reviewed Journal)
- II. **Azo Dye Removal from Aqueous Solution by Powder Graphite: Investigation of Parameter Effects and Optimization by Box-Behnken Design**  
Görücü S., Gülümser Göktepe Ç., SEZER M., VELİ S.  
Journal of advanced research in natural and applied sciences (Online), vol.9, no.1, pp.56-64, 2023 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **DİRECT YELLOW 142 BOYAR MADDESİNİN ALÜMİNYUM ELEKTROTLU ELEKTROKOAGÜLASYON YÖNTEMİ İLE RENK GİDERİMİ VE BOX-BEHNKEN OPTİMİZASYONU**  
GÖRÜCÜ S., GÜLÜMSER Ç., SEZER M., VELİ S.  
International Marmara Sciences Congress (Imascon 2022 Spring), Kocaeli, Turkey, 13 May 2022, vol.1, pp.523-529
- II. **INVESTIGATION OF THE EFFECT OF TiO<sub>2</sub> ON CHLORELLA ENZYME ACTIVITY**  
SEZER M., ŞENGİL İ. A., TANATTI N. P.  
1st International Conference on Environment, Technology and Management, 27 June 2019
- III. **Sularda Bulunan Trihalometanların ZnO Fotokatalitik Yöntemle Arıtımının İncelenmesi**  
AKSU M., İLERİ B., TANATTI N. P., SEZER M., ŞENGİL İ. A.  
Uluslararası Eser Analiz Kongresi, ESAN 2018, 20 June 2018

## Supported Projects

VELİ S., SEZER M., Project Supported by Higher Education Institutions, Atık Ürünlerden 2D ve 3D Elektrotların Üretimi ve Elektrofenton Prosesi ile Pestisit Gideriminde Kullanım Potansiyeli, 2023 - Continues

ARSLAN A., Kuru S., Salihođlu E. Z., TOPKAYA E., SEZER M., AKSAN S., VELİ S., Project Supported by Higher Education Institutions, Evsel Atıksu Arıtma Tesisi Çıkış Sularında Mikroplastiklerin Tespiti ve Kontrol Yöntemleri, 2022 - 2023

## Metrics

Publication: 11

Citation (Scopus): 7

H-Index (Scopus): 2