

## **Interest Areas**

Advanced Oxidation Processes

Membrane Processes

Environmental fate of micropollutants

## **Recent projects**

Treatment of Waste Sewage Sludge by Peroxidation and Ozonation: Removal of Antimicrobial Pollution for Safe Utilization in Agriculture, Bogazici University Research Fund. Dec 2012

-Regeneration of Spent Adsorbents, Bogazici University Research Fund. March 2011

-Removal of Antibacterial Pollution in Drinking Water Via Nanophotocatalytic - Advanced Oxidation Process, Bogazici University Research Fund. June 2010

## **Makaleler**

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### **Yürütülen Doktora Tezleri**

Derya Aydın Sarıkurt "The effect of catalytic ozonation on micropollutant degradation in recirculating aquaculture systems wastewater "(devam ediyor).

Nalan Bilgin Öncü "Removal of Antibiotic Pollution in Drinking Water via nanocatalytic Oxidation" (devam ediyor).

Murat Cengiz "Çevrede Veteriner Antibakteriyel İlaçların (Tetrasiklin ve Sulfonamidler) Araştırılması" Uludağ Üniversitesi Veterinerlik Fakültesi (2007) eşdanışman.

H. Merih Ötker Uslu "Removal of Antibiotics in animal waste by advanced Oxidation Processes" (2009).

İdil Arslan "Treatment of Reactive Textile Dyes by Homogeneous and Heterogeneous Advanced Oxidation Processes" (2000).

### **Yürütülen Yüksek Lisans Tezleri**

Canan Ercan, "Determination of Bioconcentration Factors of Heavy Metals in Green Algae" (1998).

İdil Arslan, "Treatment of Textile Wastewater by Chemical Coagulation and Photocatalytic methods" (Ekim 1997 tarihinde doktora programına geçmiştir).

Rüştü Bahar, "Application of Advanced Oxidation Processes to Photo processing Wastewater" (2001)

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Nihal Bakar, "Treatment of Photographic Developing Baths by Fenton Process" (2003).

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Arın Küçükdoğan, Modelling Antibiotic Transport and mapping the environmental Risk in the marmara Region By Using GIS. Eşdanışman (Devam ediyor).

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