

## **Asst. Prof. Emrah Şık**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: DSF-3850-2022

ScopusID: 42062344900

Yoksis Researcher ID: 265053

### **Education Information**

Doctorate, Gebze Technical University, Faculty Of Basic Sciences, Department Of Chemistry, Turkey 2010 - 2015

Postgraduate, Gebze Technical University, Faculty Of Basic Sciences, Department Of Chemistry, Turkey 2007 - 2009

Undergraduate, Eskisehir Osmangazi University, Fen Edebiyat Fakültesi, Kimya Bölümü, Turkey 2002 - 2006

### **Certificates, Courses and Trainings**

Industrial Rights, Intellectual Property Rights, Patent, Licensing, Patent ve Ticarileşme Eğitimi, TÜBİTAK Teknoloji Transfer Ofisi, 2021

Environment and Sustainability, APO-Certified Green Productivity (CP) Specialists, Asian Productivity Organization, 2020

Other, D8 Advance/Eco Xrd Temel Kullanıcı, Diffrac.Eva Ve Diffrac.Topas Software, Nanospek, 2019

Project Management, PMP - Professional Management Project , TÜBİTAK TÜSSİDE, 2017

### **Dissertations**

Doctorate, Elektrokoagülasyon İle Sulardan Arsenik Giderimi: Proses Geliştirme ve Proses Optimizasyonu, Gebze Technical University, Faculty Of Basic Sciences, Department Of Chemistry, 2015

Postgraduate, Bitkisel Yağ Esaslı Metal İşleme Sıvısının Geliştirilmesi ve Talaşlı İmalatta Uygulaması, Gebze Technical University, Faculty Of Basic Sciences, Department Of Chemistry, 2009

### **Courses**

Denizel Çevre Kimyası, Undergraduate, 2022 - 2023

General Chemistry I, Undergraduate, 2022 - 2023

General Chemistry I Lab, Undergraduate, 2022 - 2023

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

- Combined influence of some cations on arsenic removal by an air-injection EC reactor using aluminum ball electrodes**

Goren A. Y., Kobya M., Sik E., Demirbas E., Oncel M. S.

DESALINATION AND WATER TREATMENT, vol.178, pp.240-253, 2020 (SCI-Expanded)

- II. **Arsenite removal from groundwater in a batch electrocoagulation process: Optimization through response surface methodology**

Demirbas E., Kobya M., Oncel M. S., Sik E., Goren A. Y.

SEPARATION SCIENCE AND TECHNOLOGY, vol.54, no.5, pp.775-785, 2019 (SCI-Expanded)

- III. **Optimization of some cations for removal of arsenic from groundwater by electrocoagulation process**

Kobya M., Sik E., Demirbas E., Goren A. Y., Oncel M. S.

Environmental Engineering and Management Journal, vol.17, no.5, pp.1079-1093, 2018 (SCI-Expanded)

- IV. **Arsenite and arsenate removals from groundwater by electrocoagulation using iron ball anodes: Influence of operating parameters**

Sik E., Demirbas E., Goren A. Y., Oncel M. S., Kobya M.

JOURNAL OF WATER PROCESS ENGINEERING, vol.18, pp.83-91, 2017 (SCI-Expanded)

- V. **Combined effects of co-existing anions on the removal of arsenic from groundwater by electrocoagulation process: Optimization through response surface methodology**

Sik E., Kobya M., Demirbas E., GENGEÇ E., Oncel M. S.

JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.5, no.4, pp.3792-3802, 2017 (SCI-Expanded)

- VI. **Removal of As(V) from groundwater by a new electrocoagulation reactor using Fe ball anodes: optimization of operating parameters**

Sik E., Kobya M., Demirbas E., Oncel M. S., Goren A. Y.

DESALINATION AND WATER TREATMENT, vol.56, no.5, pp.1177-1190, 2015 (SCI-Expanded)

- VII. **Effects of vegetable-based cutting fluids on the wear in drilling**

Ozcelik B., Kuram E., Demirbas E., Sik E.

SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.38, no.4, pp.687-706, 2013 (SCI-Expanded)

- VIII. **Evaluation of New Vegetable-Based Cutting Fluids on Thrust Force and Surface Roughness in Drilling of AISI 304 Using Taguchi Method**

Kuram E., Ozcelik B., Demirbas E., Sik E., Tansel I. N.

MATERIALS AND MANUFACTURING PROCESSES, vol.26, no.9, pp.1136-1146, 2011 (SCI-Expanded)

- IX. **Optimization of surface roughness in drilling using vegetable-based cutting oils developed from sunflower oil**

Ozcelik B., Kuram E., Demirbas E., Sik E.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.63, no.4, pp.271-276, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Removal of arsenate by electrocoagulation reactor using aluminum ball anode electrodes**

Goren A. Y., Oncel M. S., Demirbas E., Sik E., Kobya M.

WATER PRACTICE AND TECHNOLOGY, vol.13, no.4, pp.753-763, 2018 (ESCI)

- II. **Arsenic removal from groundwater of Sivas-Sarkisla Plain, Turkey by electrocoagulation process: Comparing with iron plate and ball electrodes**

Kobya M., ÖZYONAR F., Demirbas E., Sik E., Oncel M. S.

JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.3, no.2, pp.1096-1106, 2015 (ESCI)

- III. **The application of electrocoagulation process for treatment of the red mud dam wastewater from Bayer's process**

Kobya M., Oncel M. S., Demirbas E., Sik E., Akyol A., Ince M.

JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.2, no.4, pp.2211-2220, 2014 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

### I. Effects of the cutting fluid types and cutting parameters on surface roughness and thrust force

Kuram E., Ozcelik B., Demirbas E., Şık E.

World Congress on Engineering 2010, WCE 2010, London, England, 30 June - 02 July 2010, vol.2, pp.1312-1315

## Supported Projects

Şık E., TUBITAK Project, Arıtma Çamuru Yönetiminde Sıfır Atık Yaklaşımı: Nütrient Geri Kazanımı, 2021 - 2022

Şık E., Doğan Ö., Municipality, İzmir-Çiğli İleri Biyolojik Atıksu Arıtma Tesis'i'nde Nutrient (Struvit) Geri Kazanımı , 2020 - 2021

Şık E., TUBITAK Project, Endüstriyel Atık Rodyum Kaplama Banyolarından Rodyum Geri Kazanımı, 2017 - 2020

## Metrics

Publication: 14

Citation (WoS): 214

Citation (Scopus): 317

H-Index (WoS): 9

H-Index (Scopus): 10

## Congress and Symposium Activities

4th international conference on recycling and reuse, Attendee, İstanbul, Turkey, 2018

EXCEED-Expert Workshop On Water Scarcity - Risks And Solutions, Working Group, Tunis, Tunisia, 2018

The International Conference on Civil and Environmental Engineering (ICOCEE), Attendee, Nevşehir, Turkey, 2015

Proceedings of the Second International Conference on Water, Energy and the Environment, Attendee, İzmir, Turkey, 2013

Fourth International Cemepe & Secotox Conference, Attendee, Thessaloniki, Greece, 2013

The World Congress on Engineering, (WCE), Attendee, London, England, 2010