

## Prof. ÖNDER AYYILDIZ

### Personal Information

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### Education Information

Doctorate, Illinois Institute of Technology, Engineering Faculty, Chemical And Environmental Engineering Department, United States Of America 1997 - 2003

Postgraduate, Illinois Institute of Technology, Engineering Faculty, Chemical And Environmental Engineering Department, United States Of America 1995 - 1997

Undergraduate, Yildiz Technical University, İnşaat Fakültesi, Çevre Mühendisliği, Turkey 1989 - 1993

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Ultrasonic and air stripping removal of CCl<sub>4</sub> and TCA from water: Investigating synergistic effects, Illinois Institute of Technology, Engineering Faculty, Environmental Engineering, 2003

### Research Areas

Environmental Engineering, Environmental Technology, Water Pollution and Control, Engineering and Technology

### Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Çevre Mühendisliği, 2015 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Çevre Mühendisliği, 2011 - 2015

Assistant Professor, Canakkale Onsekiz Mart University, Mühendislik Mimarlık Fakültesi, Çevre Mühendisliği, 2004 - 2011

Research Assistant, Canakkale Onsekiz Mart University, Mühendislik Mimarlık Fakültesi, Jeoloji Mühendisliği, 2003 - 2004

### Academic and Administrative Experience

Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Çevre Mühendisliği, 2005 - 2015

## Advising Theses

AYYILDIZ Ö., Atıksularda Koliform Kirliliğinin Ultrases ve Klordioksit Oksidasyon Metotları ile Giderilmesi, Postgraduate, S.Sanık(Student), 2010

AYYILDIZ Ö., Evsel Atıksu Arıtma Tesisi Giriş ve Çıkış Sularında Bulunan Organik Madde Miktarlarının Klor Dioksit Dezenfeksiyon Verimine Etkisi, Postgraduate, B.İleri(Student), 2009

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Sonocatalytic Reduction of Hexavalent Chromium by Metallic Magnesium Particles**  
AYYILDIZ Ö., Acar E., İLERİ B.  
WATER AIR AND SOIL POLLUTION, vol.227, no.10, 2016 (Journal Indexed in SCI)
- II. **Ultrasound-assisted activation of zero-valent magnesium for nitrate denitrification: Identification of reaction by-products and pathways**  
İLERİ B., AYYILDIZ Ö., APAYDIN Ö.  
JOURNAL OF HAZARDOUS MATERIALS, vol.292, pp.1-8, 2015 (Journal Indexed in SCI)
- III. **Microbial Quality in Coastal Waters of Dardanelles in Relation to the Pollution Sources and Transport Pathways**  
TÜRKMEN C., AYYILDIZ Ö., Akbulut M., Kaya H.  
CLEAN-SOIL AIR WATER, vol.40, no.12, pp.1320-1325, 2012 (Journal Indexed in SCI)
- IV. **Flow injection analysis of sulphide based on its photoelectrocatalytic oxidation at poly-methylene blue modified glassy carbon electrode**  
Dilgin Y., Canarslan S., AYYILDIZ Ö., Ertek B., Nisli G.  
ELECTROCHIMICA ACTA, vol.66, pp.173-179, 2012 (Journal Indexed in SCI)
- V. **Effect of ultrasonic pretreatment on chlorine dioxide disinfection efficiency**  
AYYILDIZ Ö., Sanık S., İleri B.  
ULTRASONICS SONOCHEMISTRY, vol.18, no.2, pp.683-688, 2011 (Journal Indexed in SCI)
- VI. **Impacts of water organic load on chlorine dioxide disinfection efficacy**  
AYYILDIZ Ö., İleri B., Sanık S.  
JOURNAL OF HAZARDOUS MATERIALS, vol.168, pp.1092-1097, 2009 (Journal Indexed in SCI)
- VII. **Sonolytic degradation of halogenated organic compounds in groundwater: Mass transfer effects**  
Ayyildiz O., Peters R. W. , Anderson P. R.  
ULTRASONICS SONOCHEMISTRY, vol.14, no.2, pp.163-172, 2007 (Journal Indexed in SCI)
- VIII. **Synergy of combined sonication and vapor stripping treatment in the removal of PCE from water**  
Ayyildiz O., Peters R. W.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.13, pp.1515-1517, 2004 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Deri Atıksuyunun Sono-Elektrokimyasal Arıtımı**  
DOĞU İ., YALÇIN M., İLERİ B., AYYILDIZ Ö.  
Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.3, no.1, pp.1-23, 2017 (Other Refereed National Journals)
- II. **Birleşik Ultrases ve Sıfır Yüklü Magnezyum ile Nitratın pH Kontrollü Denitrifikasyonu**  
İLERİ B., APAYDIN Ö., AYYILDIZ Ö.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.33, no.4, pp.489-501, 2015 (Other Refereed National Journals)
- III. **DENITRIFICATION OF NITRATE BY COMBINED ULTRASOUND AND ZERO VALENT MAGNESIUM AT pH CONTROLLED CONDITIONS**  
İLERİ B., APAYDIN Ö., AYYILDIZ Ö.

## Books & Book Chapters

- I. **URBAN GROUNDWATER POLLUTION INTURKEY**  
BABA A., AYYILDIZ Ö.  
in: Urban Groundwater Management and Sustainability, John H. Tellam, Micheal O. Rivett, Raug G. İsrailov, Editor, Springer, Dordrecht, pp.93-110, 2006
- II. **Use of Sonication for In-Well Softening of Semivolatile Organic Compounds**  
Peters R. W. , Manning J. M. , AYYILDIZ Ö., Wilkey M. L.  
in: Subsurface Contamination Remediation, Edgar Berkey, Tiffany Zachry, Editor, American Chemical Society, pp.12-63, 2005

## Refereed Congress / Symposium Publications in Proceedings

- I. **Gıdaların Tazeliğinin Korunmasında Klordioksit Kullanımı ve Etkinliği**  
ADAY M. S. , CANER C., AYYILDIZ Ö.  
7. Gıda Mühendisliği Kongresi, Turkey, 24 - 26 November 2011, vol.1, pp.173
- II. **Flow Injection Analysis od sulphide depend on its photoelectrocatalytic oxidation at poly methylene blue modified glassy carbon electrode**  
DİLGİN Y., SEDA C., AYYILDIZ Ö., ERTEK B., NİŞLİ G.  
9th International Electrochemsitry Meeting in TURKEY, 25 - 29 September 2011
- III. **Urban groundwater pollution in Turkey - A national review of urban groundwater quality issues**  
Baba A., AYYILDIZ Ö.  
Conference of the NATO Advanced Study Institute on Management and Sustainable Development of Urban Groundwater Systems, Baku, Azerbaijan, 6 - 15 August 2004, vol.74, pp.93-97

## Supported Projects

- KANTAR Ç., CAN C., AYYILDIZ Ö., ALTEN A., İLERİ B., ORAK E., MENTEŞE S., AYMAN ÖZ N., Project Supported by Higher Education Institutions, Çanakkale Boğazi Kıyı Sularının Fiziksel Kimyasal ve Mikrobiyolojik Kirliliği ile Hava Kalitesinin Araştırılması, 2017 - 2019
- AYYILDIZ Ö., TUBITAK Project, Birleşik ultrases ve sıfır yüklü magnezyum (Mg0) ile yer altı sularında nitratın kimyasal denitrifikasyonu, 2012 - 2014
- AYYILDIZ Ö., TUBITAK Project, Birleşik ultrason ve klorin dioksit arıtma sistemi ile atıksularda KOİ ve ve Fekal Koliform kirliliklerinin giderilmesi, 2006 - 2009
- AKBULUT M., AYYILDIZ Ö., ÇELİK E. Ş., SAĞIR ODABAŞI S., ERKAN YURDABAK F., Project Supported by Higher Education Institutions, Çanakkale İli Menderes Çayı'nın Bentik Makroomurgasız Faunasının Taksonomik ve Ekolojik Açından Araştırılması, 2005 - 2007

## Citations

Total Citations (WOS):129

h-index (WOS):6