

Prof. İsmail Toröz

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABF-7023-2020

ScopusID: 15045950400

Yoksis Researcher ID: 21499

Education Information

Doctorate, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1983 - 1988

Dissertations

Doctorate, Yün yıkama atıksularının asitle emülsiyon kırma metoduyla arıtılması üzerine bir araştırma, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, 1988

Research Areas

Technical Sciences, Environmental Engineering, Environmental Sciences, Environmental Chemistry, Environmental Technology, Noise Pollution Control, Water Pollution and Control, Hazardous Waste Management

Academic Titles / Tasks

Professor, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, 2006 - Continues

Associate Professor, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, 1992 - 2006

Assistant Professor, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, 1988 - 2006

Research Assistant, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, 1982 - 2006

Academic and Administrative Experience

Head of Department, İstanbul Technical University, Çevre Mühendisliği Bölümü, 2009 - 2021

Courses

ÇEVRE KİMYASI I, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Removal of endocrine-disrupting chemicals from textile industry effluents by nanofiltration
Emek A. D. A., Yilmazer C. E., Cinar S., Kiraz O., Paşaoğlu M. E., Tasdemir R. S., Ozgun Ö., Koyuncu İ., Citil E., Orhon A. K., et al.
DESALINATION AND WATER TREATMENT, vol.211, pp.411-421, 2021 (SCI-Expanded)
- II. Membrane integrated process for advanced treatment of high strength Opium Alkaloid wastewaters
INSEL G., Karagunduz A., Aksel M., Çokgör E., KOR-BICAKCI G., Özylidiz G., Toröz İ., Keskinler B.
WATER SCIENCE AND TECHNOLOGY, vol.77, no.7, pp.1899-1908, 2018 (SCI-Expanded)
- III. Hazardous waste generation in Turkish pesticide industry
Babuna F. F., Toröz İ., Avsar E., YETİŞ Ü.
DESALINATION AND WATER TREATMENT, vol.57, no.54, pp.26280-26285, 2016 (SCI-Expanded)
- IV. Stabilization and solidification of electric arc furnace dust originating from steel industry by using low grade MgO
Bayraktar A. C., AVŞAR E., Toröz İ., Alp K., HANEDAR A.
ARCHIVES OF ENVIRONMENTAL PROTECTION, vol.41, no.4, pp.62-66, 2015 (SCI-Expanded)
- V. Assessment of heavy metals in agricultural soils and their source apportionment: a Turkish district survey
Dartan G., Taspinar F., Toröz İ.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.187, no.3, 2015 (SCI-Expanded)
- VI. PHYSICAL CHARACTERISATION OF NATURAL ORGANIC MATTER AND DETERMINATION OF DISINFECTION BY-PRODUCT FORMATION POTENTIALS IN ISTANBUL SURFACE WATERS
AVŞAR E., Toröz İ., HANEDAR A.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.9, pp.2763-2770, 2015 (SCI-Expanded)
- VII. Use of theoretical waste inventories in planning and monitoring of hazardous waste management systems
Yilmaz O., Can Z. S., Toröz İ., DOĞAN O., Oncel S., ALP E., DİLEK F. B., Karanfil T., YETİŞ Ü.
WASTE MANAGEMENT & RESEARCH, vol.32, no.8, pp.763-771, 2014 (SCI-Expanded)
- VIII. CHEMICAL CHARACTERIZATION OF NATURAL ORGANIC MATTER AND DETERMINATION OF DISINFECTION BY-PRODUCT FORMATION POTENTIALS IN SURFACE WATERS OF ISTANBUL (OMERLİ AND BUYUKCEKMECE WATER DAM), TURKEY
Avsar E., Toröz İ., HANEDAR A., Yilmaz M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, pp.494-501, 2014 (SCI-Expanded)
- IX. INVESTIGATION OF THE USABILITY OF AUTOMOTIVE INDUSTRY CHEMICAL WASTEWATER TREATMENT SLUDGE AS AN ADDITIVE TO BRICK RAW MATERIAL IN TERMS OF FIRING PROCESS STACK GAS EMISSIONS
Avsar E., Toröz İ., HANEDAR A., Uslu E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.22, pp.2477-2482, 2013 (SCI-Expanded)
- X. Assessment of Trihalomethane Formation in Chlorinated Raw Waters with Differential UV Spectroscopy Approach
ÖZDEMİR K., Toröz İ., UYAK V.
SCIENTIFIC WORLD JOURNAL, 2013 (SCI-Expanded)
- XI. INVESTIGATION OF PM10 CONCENTRATIONS AND NOISE LEVELS OF THE ROAD SWEEPERS OPERATING IN ISTANBUL TURKEY A CASE STUDY
AVŞAR E., HANEDAR A., TORÖZ İ., Alp K., GÜVEN H.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, pp.2033-2039, 2010 (SCI-Expanded)
- XII. Removal of trihalomethanes from drinking water by nanofiltration membranes
Uyak V., Koyuncu İ., OKTEM I., CAKMAKCI M., TOROZ İ.
JOURNAL OF HAZARDOUS MATERIALS, vol.152, no.2, pp.789-794, 2008 (SCI-Expanded)
- XIII. Seasonal variations of disinfection by-product precursors profile and their removal through surface water treatment plants
Uyak V., OZDEMIR K., Toröz İ.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.390, pp.417-424, 2008 (SCI-Expanded)

- XIV. **Investigation of bromide ion effects on disinfection by-products formation and speciation in an Istanbul water supply**
 Uyak V., Toroz I.
JOURNAL OF HAZARDOUS MATERIALS, vol.149, no.2, pp.445-451, 2007 (SCI-Expanded)
- XV. **Disinfection by-products precursors removal by enhanced coagulation and PAC adsorption**
 Uyak V., YAVUZ S., TOROZ I., OZAYDIN S., GENCER E. A.
DESALINATION, vol.216, pp.334-344, 2007 (SCI-Expanded)
- XVI. **Multiple linear regression modeling of disinfection by-products formation in Istanbul drinking water reservoirs**
 Uyak V., OZDEMIR K., Toroz I.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.378, no.3, pp.269-280, 2007 (SCI-Expanded)
- XVII. **Disinfection by-product precursors reduction by various coagulation techniques in Istanbul water supplies**
 Uyak V., Toroz I.
JOURNAL OF HAZARDOUS MATERIALS, vol.141, no.1, pp.320-328, 2007 (SCI-Expanded)
- XVIII. **Modeling the formation of chlorination by-products during enhanced coagulation**
 Uyak V., Toroz I.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.121, pp.503-517, 2006 (SCI-Expanded)
- XIX. **Monitoring and modeling of trihalomethanes (THMs) for a water treatment plant in Istanbul**
 Uyak V., Toroz I., MERIC S.
DESALINATION, vol.176, pp.91-101, 2005 (SCI-Expanded)
- XX. **Seasonal variations of trihalomethanes (THMs) in water distribution networks of Istanbul City**
 Toroz I., Uyak V.
DESALINATION, vol.176, pp.127-141, 2005 (SCI-Expanded)
- XXI. **Enhanced coagulation of disinfection by-products precursors in Istanbul water supply**
 Uyak V., Toroz L.
ENVIRONMENTAL TECHNOLOGY, vol.26, no.3, pp.261-266, 2005 (SCI-Expanded)
- XXII. **Ozonation of Aqueous solution of Alfa Endosulfan**
 Yazgan M. S., KINACI C., TORÖZ İ.
Journal of Environmental Science and Health-Part B, vol.38, no.6, pp.843-853, 2003 (SCI-Expanded)
- XXIII. **Pilot and Full Scale Treatment Experiences on Paper Mill Effluents**
 Öztürk İ., EROĞLU V., Toröz İ.
WATER SCIENCE AND TECHNOLOGY, vol.22, no.9, pp.255-263, 1990 (SCI-Expanded)

Articles Published in Other Journals

- I. **İçme sularından tat ve kokunun giderimi: İstanbul'daki kurulu su arıtma tesislerinde performans değerlendirmesi ve iyileştirilmesi**
 FAKIOĞLU M., KARPUZCU M. E., TORÖZ İ., YILDIZ F., ÖZTÜRK İ.
 Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.26, 2020 (ESCI)
- II. **Evaluation of Environmental Noise and Vibration Levels of Dry Type Transformers and Determination of Solution Alternatives: Istanbul Case Study**
 AVŞAR E., EROL H., TORÖZ İ., piro e.
 Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, no.3, pp.958-967, 2019 (Peer-Reviewed Journal)
- III. **DETERMINATION OF THE EFFICIENCY OF WASTE GAS WASHING EQUIPMENTS USED IN JEWELERY WORKSHOP**
 AVŞAR E., HANEDAR A., ALP K., TORÖZ İ.
 Uludağ University Journal of The Faculty of Engineering, vol.23, no.2, pp.287-298, 2018 (Peer-Reviewed Journal)
- IV. **Seasonal Determination and Investigation of Disinfection by Product Formation Potentials (DBPFPs) of Surface Waters, İstanbul Ömerli and Büyüçekmece Case Study**

- AVŞAR E., TORÖZ İ.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY -B Theoretical Sciences, vol.6, no.1, pp.22-35,
2018 (Peer-Reviewed Journal)
- V. **Investigation of the chlorine dioxide disinfection in terms of disinfection by product (DBP) formation of Omerli raw water in Istanbul**
AVŞAR E., Karadag S. G., Toröz İ., HANEDAR A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK
BİLİMLERİ DERGİSİ, vol.23, no.3, pp.297-302, 2017 (ESCI)
- VI. **Experimental Investigation of Trihalomethane Formation and Its Modeling in Drinking Waters**
ÖZDEMİR K., YILDIRIM Y., TORÖZ İ., UYAK V.
ASIAN JOURNAL OF CHEMISTRY, vol.27, no.3, pp.984-990, 2015 (Scopus)
- VII. **Hazardous Waste Generation in Pesticide Synthesis Sector in Turkey**
Babuna F. F., Toröz İ., Avşar E., Yetiş Ü.
Pesticide Research Journal, vol.26, no.2, pp.181-188, 2014 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Deniz Suyundan Su Üretimi Sırasında Ortaya Çıkan Reject Suyunun Denize Deşarj Edilebilirliğinin Değerlendirilmesi**
TORÖZ İ., ARIKAN O. A., AYDIN B.
International Congress of Agriculture and Environment, 16 - 18 November 2017
- II. **Zeytin ve Zeytinyağı İşletmeleri Atıklarının Havza Bazında Entegre Yönetiminin Araştırılması**
KESKİNLER B., TORÖZ İ., KINACI C., DOĞRU M., AYDIN B.
12. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 6 - 07 October 2017
- III. **Seasonal Determination and Investigation of Disinfection by Product Formation Potentials (DBPFPs) of Surface Waters, İstanbul Ömerli and Büyüçekmece Case Study**
AVŞAR E., deniz avşar d., TORÖZ İ.
9th Eastern European Young Water Professionals Conference, Budapest, Hungary, 24 - 27 May 2017, pp.12-19
- IV. **Hazardous waste generation in Turkish pesticide industry**
BABUNA F. F., TORÖZ İ., AVŞAR E., YETİŞ Ü.
14th International Conference on Environmental Science and Technology, 3 - 05 September 2015
- V. **Formation of DBP variations in Istanbul, Turkey, drinking water**
Uyak V., Toröz İ., ÖZKAN O.
233rd National Meeting of the Cellulose-and-Renewable-Materials-Division of the American-Chemical-Society (ACS), Illinois, United States Of America, 25 - 29 March 2007, vol.233, pp.560
- VI. **An Evaluation of Small Wastewater Treatment Systems for Turkey**
YAZĞAN M. S., KINACI C., TORÖZ İ., AKÇA L.
4th Specialised Conference on Small Wastewater Treatment Plants, Stratford upon Avon-UK, 01 January 1999
- VII. **COST-EFFECTIVE TREATMENT OF TEXTILE MILL EFFLUENTS BY WATER REUSE**
EROGLU v., OZTURK I., TOROZ İ., KOR N.
NATO ADVANCED RESEARCH WORKSHOP ON NEW DEVELOPMENTS IN INDUSTRIAL WASTEWATER TREATMENT, İzmir, Turkey, 29 October - 05 November 1989, vol.191, pp.127-131

Supported Projects

- Toröz İ., Project Supported by Higher Education Institutions, İçme Sularında UV Spektroskopi Metodu ile Trihalometan Oluşumunun İzlenmesi, 2006 - 2009
- Toröz İ., Project Supported by Higher Education Institutions, Yüzeysel Sularda Bulunan Doğal Organik Maddelerin Kimyasal Karakterizasyonu, 2005 - 2009

Toröz İ., Project Supported by Higher Education Institutions, İçme Sularında Zenginleştirilmiş Koagülasyon Yöntemi ile Organik Madde Giderimi, 2004 - 2009

Toröz İ., Project Supported by Higher Education Institutions, İçme Sularında Haloasetik Oluşumunda Etkili Faktörlerin Korelasyonunun Çıkarılması, 2004 - 2009

Metrics

Publication: 39

Citation (WoS): 565

Citation (Scopus): 765

H-Index (WoS): 11

H-Index (Scopus): 11

Non Academic Experience

İTÜ İnşaat Fakültesi, Çevre Müh. Bölümü

ÇEVRE VE ŞEHİRCİLİK BAKANLIĞI

Drexel University, Environmental Engineering Dept.