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Education Information

Doctorate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1988 - 1997

Postgraduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (YI) (Tezli), Turkey 1985 - 1988

Undergraduate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1981 - 1985

Foreign Languages

English

Research Areas

Environmental Engineering, Life Sciences, Biotechnology, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 2007 - Continues

Associate Professor, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 2001 - 2007

Research Assistant, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 1986 - 2001

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

- I. **Life cycle assessment of a large water treatment plant in Turkey**
Saad A., Elginöz Kanat N., Babuna F. F. , Iskender G.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.26, no.15, pp.14823-14834, 2019 (Journal Indexed in SCI)
- II. **IMPACT OF SYNTHETIC ESTROGEN 17 ALPHAETHINYLESTRADIOL ON CARBON REMOVAL KINETICS**
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- III. **IMPACT OF SYNTHETIC ESTROGEN 17 ALPHA-ETHINYLESTRADIOL ON CARBON REMOVAL KINETICS**
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- IV. **EFFECT OF DI-BUTYLPHTHALATE SPILLAGE SCENARIOS ON THE GENERAL LAYOUT OF A PLANT**
Avsar E., İskender F. G. , DEMİR S., Babuna F. F.
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- V. **Improving the wastewater management for a beverage industry with in-plant control**
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- VI. **Treatment options for effluents from a solid waste transport station**
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DESALINATION, vol.211, pp.96-101, 2007 (Journal Indexed in SCI)
- VII. **Investigation of the relation between COD fractions and the toxicity in a textile finishing industry wastewater Effect of preozonation**
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- VIII. **A Global Overview of Treated Wastewater Guidelines and Standards for Agricultural Reuse**
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FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, no.6, pp.590-595, 2007 (Journal Indexed in SCI Expanded)
- IX. **Treatability of cefazolin antibiotic formulation effluent with O-3 and O-3/H2O2 processes**
Iskender G., SEZER A., Arslan-Alaton I., Babuna F. F. , Okay O. S.
WATER SCIENCE AND TECHNOLOGY, vol.55, no.10, pp.217-225, 2007 (Journal Indexed in SCI)
- X. **Toxicity assessment of raw and ozonated biocidal finishing agents used in the textile industry**
ARSLAN ALATON İ., Okay O., İSKENDER F. G. , Germirli Babuna F.
AATCC REVIEW, vol.6, pp.43-48, 2006 (Journal Indexed in SCI Expanded)
- XI. **The effect of pre ozone oxidation on acute toxicity and inert soluble COD fractions of a textile finishing industry wastewater**
SELÇUK H., İskender F. G. , MERİÇ PAGANO S.
JOURNAL OF HAZARDOUS MATERIALS, vol.137, pp.254-260, 2006 (Journal Indexed in SCI Expanded)
- XII. **Determination of inert chemical oxygen demand (COD) fractions in a textile industry wastewater**
Eremektar G., Yildiz A., Meric S.
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- XIII. **Effect of prefermentation on inert COD fractions in BNR systems**
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- XIV. **Evaluation of Influent Prefermentation as a Unit Process upon Biological Treatment**
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WATER SCIENCE AND TECHNOLOGY, vol.47, no.11, pp.9-15, 2003 (Journal Indexed in SCI Expanded)
- XV. **Biological treatability of a corn wet mill effluent**
Eremektar G., Karahan-Gul Ö., Germirli-Babuna F. F. , Ovez S., UNER H., ORHON D.
WATER SCIENCE AND TECHNOLOGY, vol.45, no.12, pp.339-346, 2002 (Journal Indexed in SCI)
- XVI. **In-plant control applications and their effect on treatability of a textile mill wastewater**
DULKADIROGLU H., Eremektar G., Dogruel S., UNER H., Germirli-Babuna F. F. , ORHON D.
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- XVII. **Fate of inert COD fractions in two-stage biological treatment of a strong wastewater**
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JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.34, no.6, pp.1329-1340, 1999 (Journal Indexed in SCI)
- XVIII. **Biological treatability of poultry processing plant effluent - A case study**
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- XIX. **The Pollution Profile of Alcohol Distilleries Treating Beet Sugar Molasses**
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Articles Published in Other Journals

- I. **Ozonation of Common Textile Auxiliaries**
İSKENDER F. G. , ARSLAN ALATON İ., Koyunluoğlu Ş., Yılmaz Z., BABUNA F. F.

Earth and Environmental Science, vol.44, 2016 (Refereed Journals of Other Institutions)

II. Assessment of Occupational Health and Safety for a Gas Meter Manufacturing Plant

Korkmaz E., İSKENDER F. G. , BABUNA F. F.

Earth and Environmental Science, vol.44, 2016 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. Reducing the Toxicity of a Textile Xenobiotic through Ozonation

Babuna F. F. , Oruçtut N., Arslan Alaton İ., İskender F. G. , Okay O.

in: Survival and Sustainability, Environmental Earth Sciences, Gokcekus H., Turker U., LaMoreaux JW., Editor, Springer Verlag, Berlin, pp.955-965, 2011

II. Pretreatment of Ceftriaxone Formulation Effluents: Drawbacks and Benefits

Tezgel T., Babuna F. F. , Arslan Alaton İ., İskender F. G. , Okay O.

in: Survival and Sustainability, Environmental Earth Sciences, Gokcekus H., Turker U., LaMoreaux JW., Editor, Springer Verlag, Berlin, pp.943-953, 2011

Refereed Congress / Symposium Publications in Proceedings

I. • Evaluation of environmental sustainability for a water treatment plant via life cycle approach

Saad A., Elginöz Kanat N., Babuna F. F. , İskender F. G.

Sixth International Conference on Environmental Management, Engineering, Planning & Economics (CEMEPE), Selanik, Greece, 25 - 30 July 2017, pp.21-29

II. Treatment of Cephalosporin Formulation Effluents and Biotransformation of Cephalosporins

Gönüllü Ü., İskender F. G. , Babuna F. F. , Dulkadiroğlu H.

2017 ICOCEE International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.3478-3484

III. Investigation of Occupational Health and Safety for a Plastic Package Manufacturing Facility

Çiçek K., İskender F. G. , Dulkadiroğlu H., Babuna F. F.

2017 ICOCEE International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 2 - 10 May 2017, pp.3486-3492

IV. Treatment of Cephalosporin Formulation Effluents and Biotransformation of Cephalosporins

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3rd International Conference on Recycling and Reuse, R&R 2016, İstanbul, Turkey, 28 - 30 September 2016, pp.125-129

VI. Ozonation of Common Textile Auxiliaries

Iskender G., Arslan-Alaton I., KOYUNLUOĞLU S., YILMAZ Z., Babuna F. G.

World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016, vol.44

VII. Türkiye de Evsel Kentsel Atıksu Arıtma Tesislerinin Mevcut Durumu Atıksu Arıtma Teknolojileri Çamur İşleme ve Bertaraf Etme Yöntemlerinin Bölgesel Bazda Değerlendirilmesi

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İTÜ 13. Endüstriyel Kirlenme Kontrolü Sempozyumu, İstanbul, Turkey, 17 - 19 October 2012

VIII. IMPACT OF PREFERMENTATION ON WASTEWATER AND BIOKINETIC PARAMETERS FOR BIOLOGICAL NUTRIENT REMOVAL

McCue T., Randall A., İSKENDER F. G.

Water Environment Federation, 14 - 16 October 2007

IX. The effects of propionic versus acetic acid content of domestic sewage on enhanced biological phosphorus removal

Chen, Y., Trujillo .., Biggerstaff, J., Ahmed G., Lamb B., İSKENDER F. G. , McCue T., Randall A. A.

Proceedings of the Water Environment Federation, 26 - 28 September 2002

X. Water Conservation and Wastewater Recovery and Reuse for A Wool Finishing Textile Industry

DOĞRUEL S., DULKADİROĞLU H., İSKENDER F. G. , BABUNA F. F. , ORHON D.

ISWA 2002 World Environment Congress and Exhibition, 8 - 12 July 2002

Supported Projects

İskender F. G. , Project Supported by Higher Education Institutions, Sayaç Üretimi Tesisinde İş Sağlığı ve Güvenliği Değerlendirmesi, 2016 - 2018

İskender F. G. , Project Supported by Higher Education Institutions, SENTETİK BİR HORMON OLAN 17 ALPHA-ETHİNYLESTRADİOL'İN KARBON GİDEREN SİSTEMLERE KRONİK ETKİSİ, 2015 - 2018

İskender F. G. , Project Supported by Higher Education Institutions, ANTİBİYOTİK FORMÜLASYON ATIKSULARININ ÖNARITIMI SERFTRİAKSON ÖRNEĞİ, 2010 - 2018

İskender F. G. , Project Supported by Higher Education Institutions, Sefazolin Antibiyotik Formülasyon Atıksularının O3 ve O3/H2O2 Prosesleri ile Arıtılabilirliği, 2006 - 2018

İskender F. G. , Project Supported by Higher Education Institutions, Alkolsüz İçecek Endüstrisi için Atıksu Yönetimi, 2005 - 2018

İskender F. G. , Project Supported by Higher Education Institutions, Atıksularda Sentetik Östrojenin ve Biyolojik Süreçler Sırasındaki Davranışının Belirlenmesi, 2009 - 2016

Citations

Total Citations (WOS):80

h-index (WOS):6