

## Prof. FİLİZ BENGÜ DİLEK

### Personal Information

**Office Phone:** [+90 312 210 5877](tel:+903122105877)

**Fax Phone:** [+90 312 210 2646](tel:+903122102646)

**Email:** [fdilek@metu.edu.tr](mailto:fdilek@metu.edu.tr)

**Web:** <http://enve.metu.edu.tr/en/dilek>

**Address:** ODTÜ Çevre Mühendisliği Bölümü 06800 Ankara

### International Researcher IDs

ScholarID: jXHHmTAAAAAJ

ORCID: 0000-0002-3431-6930

Publons / Web Of Science ResearcherID: J-4091-2013

ScopusID: 7003505381

Yoksis Researcher ID: 4809

### Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, Turkey  
1986 - 1991

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering,  
Turkey 1983 - 1985

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering,  
Turkey 1978 - 1982

### Foreign Languages

English, C1 Advanced

### Research Areas

Environmental Engineering, Environmental Technology, Waste Water Collection and Treatment, Industrial and Hazardous Waste Management, Pollution Prevention and Waste Reduction, Water Pollution and Control, Water Supply and Treatment, Hazardous Waste Management, Engineering and Technology

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1999 -  
Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering,  
1992 - 1999

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1991 -  
1992

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering,  
1982 - 1991

## Academic and Administrative Experience

Middle East Technical University, Graduate School of Natural and Applied Sciences, Biyoteknoloji (Dr), 2013 - 2015

Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2003 - 2006

Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1999 - 2003

Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1994 - 1998

## Courses

FUNDAMENTALS OF BIOLOGICAL TREATMENT, Undergraduate, 2018 - 2019

PHYSICO-CHEMICAL PRIN.OF ENVIRON.ENG., Undergraduate, 2017 - 2018

environmental pollution and ecology, Undergraduate, 2016 - 2017, 2015 - 2016

## Advising Theses

Dilek F. B., Uzal N., Life cycle assessment of absorbent hygiene products aligning with Turkish environmental label criteria, Postgraduate, B.BEYHAN(Student), 2024

Dilek F. B., EVALUATION OF BEST AVAILABLE TECHNIQUES FOR THE SELECTED INTEGRATED SOLID WASTE PLANT USING LIFE CYCLE ASSESSMENT, Postgraduate, E.İREM(Student), 2023

Dilek F. B., Uzal N., Life Cycle Assessment of Mattress Products, Postgraduate, E.EKİN(Student), 2023

, Dilek F. B., Ipek Torun B., DEVELOPMENT OF A NEW HETEROGENEOUS CATALYST FOR THE USE IN FENTON-LIKE PROCESS TOWARD THE REMOVAL OF PESTICIDES FROM WATER, Doctorate, M.ALI(Student), 2022

DİLEK F. B., YETİŞ Ü., The removal of phorate from water by adsorption on powdered activated carbon and chabazite, Postgraduate, C.POLAT(Student), 2022

Dilek F. B., Yetiş Ü., Source identification of pesticide pollution and determination of normal background concentrations of metals in Yeşilirmak river basin, Postgraduate, B.SELİN(Student), 2021

Dilek F. B., Ünlü K., Estimation of diffuse pollution loads of pesticides in Tersakan sub-basin of Yeşilirmak river, Postgraduate, C.AYYILDIZ(Student), 2019

Dilek F. B., Yetiş Ü., The removal of aclonifen from water by adsorption using carbon nanotubes, Postgraduate, P.YILMAZ(Student), 2019

DİLEK F. B., Removal of chloridazon herbicide from wastewaters using FE/H2O2, UV/H2O2 AND UV/FE/H2O2, Postgraduate, H.BİKE(Student), 2019

Dilek F. B., Günkaya Z., Life cycle assessment (LCA) of a leed-certified green building using two different lca tools, Postgraduate, M.AYGENÇ(Student), 2019

Dilek F. B., Yetiş Ü., Fate and removal of pesticides in wastewater treatment plants – case of yeşilirmak basin, Postgraduate, K.KOCAMAN(Student), 2019

Dilek F. B., Yetiş Ü., Determination of groundwater threshold values: A methodology applied to gediz basin, Postgraduate, O.FATİH(Student), 2019

Akgül Ç., Dilek F. B., Life Cycle Assessment (LCA) of Different Concrete Mixtures and an Application in a Green Building, Postgraduate, E.TÜKENMEZ(Student), 2019

Dilek F. B., Removal of imidacloprid from wastewaters by ozonation and photo-ozonation, Postgraduate, B.SÖNMEZ(Student), 2019

DİLEK F. B., Evaluating environmental impacts of a solvent recovery unit in a chemical factory by using life cycle assessment, Postgraduate, G.HAKYEMEZ(Student), 2016

Yetiş Ü., Dilek F. B., Ranking of pesticides according to leaching potentials to groundwater for the selected river basins in turkey – index-based approach, Postgraduate, A.ECE(Student), 2016

YETİŞ Ü., DİLEK F. B., Triclosan in biological wastewater treatment: fate, kinetics and population dynamics aspects /, Postgraduate, A.KOÇ(Student), 2014

Yetiş Ü., Dilek F. B., Removal of triclosan from surface waters by ozonation: Kinetics and removal mechanism,

Postgraduate, K.BERK(Student), 2014  
YETİŞ Ü., DİLEK F. B., Removal of triclosan from surface waters by ozonation: kinetics & removal mechanism/,  
Postgraduate, K.Berk(Student), 2014  
Yetiş Ü., Dilek F. B., Triclosan in biological wastewater treatment: Fate, kinetics and population dynamics aspects,  
Postgraduate, A.KOÇ(Student), 2014  
DİLEK F. B., YETİŞ Ü., Investigation of occurrence and fate of biocides in wastewater treatment plants and surface waters,  
Postgraduate, M.Yavuz(Student), 2013  
Yetiş Ü., Dilek F. B., Investigation of occurrence and fate of biocides in wastewater treatment plants and surface waters,  
Postgraduate, M.YAVUZ(Student), 2013  
DİLEK F. B., Dilek F., Life cycle assessment in ferrous foundry industry, Postgraduate, Ç.Yiğit(Student), 2013  
DİLEK F. B., Life cycle assessment in ferrous industry, Postgraduate, Ç.YİĞİT(Student), 2013  
Yetiş Ü., Dilek F. B., Triclosan removal by nanofiltration from surface water, Postgraduate, A.ÖĞÜTVERİCİ(Student), 2013  
Yetiş Ü., Dilek F. B., Comparison of sub-processes and final products of iron and steel production with life cycle  
assessment, Postgraduate, G.ÖLMEZ(Student), 2011  
DİLEK F. B., Estimation of hazardous waste generation in selected sectors of Ostim OIZ, Ankara, Postgraduate,  
A.Kayabınar(Student), 2010  
DİLEK F. B., Aerobic biological treatment of opium alkaloid wastewater - effect of gamma radiation and fenton's  
oxidation as pretreatment, Postgraduate, C.BURAK(Student), 2008  
Dilek F. B., Demirer G., A chemical substitution study for a wet processing textile mill in turkey, Postgraduate,  
E.ÖZTÜRK(Student), 2007  
Dilek F. B., Sanin F. D., An investigation of agricultural use potential of wastewater sludges in turkey with respect to  
heavy metals and pathogens, Postgraduate, G.ÖZSOY(Student), 2006  
DİLEK F. B., Modelling aerobic 4-chlorophenol and 2,4-dichlorophenol biodegradation-effect of biogenic substrate  
concentration, Doctorate, E.ŞAHİNKAYA(Student), 2006  
DİLEK F. B., Anaerobic treatment of opium alkaloid wastewater and effect of gamma-rays on anaerobic treatment,  
Postgraduate, R.TUĞRUL(Student), 2006  
DİLEK F. B., Removing algae from stabilization pond effluents by using trickling filters, Postgraduate, D.Kaya(Student),  
2005  
DİLEK F. B., Determination of THMFP of the reservoirs in Turkey: Kinetics aspect, Postgraduate, M.ARTUĞ(Student),  
2004  
Yetiş Ü., Dilek F. B., Enhanced coagulation of raw water of Ankara city, Postgraduate, E.ATLI(Student), 2002  
DİLEK F. B., Azo dye decolorization by phanerochaete chrysosporium, Postgraduate, Y.ERLER(Student), 2002  
DİLEK F. B., Integrated environmental management plan for Bursa, Postgraduate, A.ÜLKÜ(Student), 2001  
DİLEK F. B., Toxicity and treatability of chlorophenols under aerobic and anoxic conditions, Postgraduate,  
E.ŞAHİNKAYA(Student), 2001  
DİLEK F. B., Algal treatment of textile dyehouse wastewater, Postgraduate, E.ACUNER(Student), 2001  
Yetiş Ü., Dilek F. B., Kinetic aspects of decolorization of pulp and paper industry wastewaters by algae, Doctorate,  
E.TARLAN(Student), 2001  
, Dilek F. B., Sürücü G., Treatment of carpet dyeing wastewater by fenton's reagent, Postgraduate, İ.GÜLKAYA(Student),  
2001  
DİLEK F. B., Colour removal from pulp and paper industry wastewaters by using alum and clay, Postgraduate,  
Ş.BEŞE(Student), 1998  
DİLEK F. B., Decolorization of pulping effluents by algae, Postgraduate, M.HAKAN(Student), 1997

## **Jury Memberships**

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Konya Teknik Üniversitesi, October, 2019  
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Boğaziçi Üniversitesi, July, 2019  
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Zonguldak Bülent Ecevit Üniversitesi,  
January, 2019

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

- I. **Assessing Environmental and Economic Sustainability: Valorizing Grape Stems for Animal Feed Production**  
DİLEK F. B., San Martin D., Gutierrez M., Ibarruri J., Iñarra B., YETİŞ Ü.  
ACS Sustainable Chemistry and Engineering, 2024 (SCI-Expanded)
- II. **Preparation of chabazite based Fenton-like heterogeneous catalyst and its organic micropollutant removal performance**  
Ali M., Dilek F. B., Ipek Torun B.  
Sustainable Chemistry and Pharmacy, vol.31, 2023 (SCI-Expanded)
- III. **Removal of pesticides from secondary treated urban wastewater by reverse osmosis**  
Ateş N., Uzal N., Yetiş Ü., Dilek F. B.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, no.4, pp.8732-8745, 2023 (SCI-Expanded)
- IV. **Life cycle assessment of sericin recovery from silk degumming wastewaters**  
ÇAPAR G., PİLEVNELİ T., YETİŞ Ü., DİLEK F. B.  
Sustainable Chemistry and Pharmacy, vol.30, 2022 (SCI-Expanded)
- V. **Investigating the effect of solids retention time on pesticides removal in an activated sludge process**  
Kocaman K., Yetiş Ü., Dilek F. B.  
SUSTAINABLE CHEMISTRY AND PHARMACY, vol.29, 2022 (SCI-Expanded)
- VI. **Imidacloprid elimination by O<sub>3</sub> and O<sub>3</sub>/UV: kinetics study, matrix effect, and mechanism insight**  
Baghırzade B. S., Yetiş Ü., Dilek F. B.  
Environmental Science and Pollution Research, vol.28, no.19, pp.24535-24551, 2021 (SCI-Expanded)
- VII. **Occurrence of micropollutants in the Yesilirmak River Basin, Turkey**  
Küçük E., Pilevneli T., Erguven G. O., Aslan S., Olgun E. O., Canli O., Ünlü K., Dilek F. B., İpek U., Avaz G., et al.  
Environmental Science and Pollution Research, vol.28, no.19, pp.24830-24846, 2021 (SCI-Expanded)
- VIII. **Removal of chloridazon pesticide from waters by Fenton and photo-Fenton processes**  
Ulu H. B., DEĞERMENÇİ N., DİLEK F. B.  
DESALINATION AND WATER TREATMENT, vol.194, pp.429-438, 2020 (SCI-Expanded)
- IX. **Determination of groundwater threshold values: A methodological approach**  
Bulut O. F., Duru B., Cakmak O., Gunhan O., Dilek F. B., Yetiş Ü.  
JOURNAL OF CLEANER PRODUCTION, vol.253, 2020 (SCI-Expanded)
- X. **Sulfate removal from drinking water by commercially available nanofiltration membranes: A parametric study**  
Karabacak A., Dilek F. B., Yılmaz L., Kitiş M., Yetiş Ü.  
Desalination and Water Treatment, vol.205, pp.296-307, 2020 (SCI-Expanded)
- XI. **A new screening index for pesticides leachability to groundwater**  
DEMİR A. E. A., DİLEK F. B., YETİŞ Ü.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.231, pp.1193-1202, 2019 (SCI-Expanded)
- XII. **Fate of triclosan in laboratory-scale activated sludge reactors - Effect of culture acclimation**  
ORHON A. K., ORHON K. B., YETİŞ Ü., DİLEK F. B.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.216, pp.320-327, 2018 (SCI-Expanded)
- XIII. **Triclosan removal from surface water by ozonation - Kinetics and by-products formation**  
ORHON k. b., ORHON a. k., DİLEK F. B., YETİŞ Ü.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.204, pp.327-336, 2017 (SCI-Expanded)
- XIV. **Analysis of the best available techniques for wastewaters from a denim manufacturing textile mill**  
YÜKSELER h., UZAL N., ŞAHİNKAYA E., KİTİŞ M., DİLEK F. B., YETİŞ Ü.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.203, pp.1118-1125, 2017 (SCI-Expanded)
- XV. **The environmental impacts of iron and steel industry: a life cycle assessment study**  
Olmez G. M., DİLEK F. B., Karanfil T., YETİŞ Ü.  
JOURNAL OF CLEANER PRODUCTION, vol.130, pp.195-201, 2016 (SCI-Expanded)
- XVI. **Triclosan removal by NF from a real drinking water source - Effect of natural organic matter**

- OGUTVERİCİ A., YILMAZ L., YETİŞ Ü., DİLEK F. B.  
CHEMICAL ENGINEERING JOURNAL, vol.283, pp.330-337, 2016 (SCI-Expanded)
- XVII. **Solid waste management scenarios for Cetinje in Montenegro**  
YETİŞ Ü., Jakobsen J. B., DİLEK F. B., Kiyik E., Mugosa S., Novovic J., Kerestecioglu M.  
WASTE MANAGEMENT & RESEARCH, vol.33, no.5, pp.477-485, 2015 (SCI-Expanded)
- XVIII. **Biocides in drinking water system of Ankara, Turkey**  
YAVUZ M., Oggioni M., YETİŞ Ü., DİLEK F. B.  
DESALINATION AND WATER TREATMENT, vol.53, no.12, pp.3253-3262, 2015 (SCI-Expanded)
- XIX. **Recovery of caustic from mercerizing wastewaters of a denim textile mill**  
Varol C., UZAL N., DİLEK F. B., KİTİŞ M., YETİŞ Ü.  
DESALINATION AND WATER TREATMENT, vol.53, no.12, pp.3418-3426, 2015 (SCI-Expanded)
- XX. **Is adsorption an artifact in experimentation with Triclosan?**  
Koc A., Orhon K. B., Ogutverici A., YILMAZ L., Furi L., Oggioni M. R., DİLEK F. B., YETİŞ Ü.  
DESALINATION AND WATER TREATMENT, vol.52, pp.7101-7107, 2014 (SCI-Expanded)
- XXI. **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)
- XXII. **Challenges in Development and Implementation of Health-Risk-Based Soil Quality Guidelines: Turkey's Experience**  
KENTEL E., AKSOY A., Buyuker B., Dilek F. B., Girgin S., Ipek M. H., Polat S., YETİŞ Ü., ÜNLÜ K.  
RISK ANALYSIS, vol.31, no.4, pp.657-667, 2011 (SCI-Expanded)
- XXIII. **Hazardous waste management in Turkey: current legislative requirements and future challenges**  
YIGIT C., MADEN G., DISA N., YILMAZ O., OGUTVERİCİ A., ALP E., ÜNLÜ K., Gokcay C. F., DİLEK F. B., DOĞAN O., et al.  
DESALINATION AND WATER TREATMENT, vol.26, pp.152-159, 2011 (SCI-Expanded)
- XXIV. **Treatment of opium alkaloid containing wastewater in sequencing batch reactor (SBR)-Effect of gamma irradiation**  
Bural C. B., Demirer G. N., Kantoglu O., DİLEK F. B.  
RADIATION PHYSICS AND CHEMISTRY, vol.79, no.4, pp.519-526, 2010 (SCI-Expanded)
- XXV. **Adoption of European Union's IPPC Directive to a textile mill: Analysis of water and energy consumption**  
Kocabas A. M., Yukseler H., DİLEK F. B., YETİŞ Ü.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.91, no.1, pp.102-113, 2009 (SCI-Expanded)
- XXVI. **The growth behavior of *Chlorella vulgaris* in the presence of 4-chlorophenol and 2,4-dichlorophenol**  
ŞAHİNKAYA E., DİLEK F. B.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.72, no.3, pp.781-786, 2009 (SCI-Expanded)
- XXVII. **A chemical substitution study for a wet processing textile mill in Turkey**  
Ozturk E., YETİŞ Ü., DİLEK F. B., Demirer G. N.  
JOURNAL OF CLEANER PRODUCTION, vol.17, no.2, pp.239-247, 2009 (SCI-Expanded)
- XXVIII. **Biological treatment and nanofiltration of denim textile wastewater for reuse**  
ŞAHİNKAYA E., UZAL N., YETİŞ Ü., DİLEK F. B.  
JOURNAL OF HAZARDOUS MATERIALS, vol.153, no.3, pp.1142-1148, 2008 (SCI-Expanded)
- XXIX. **Reuse of lagoon effluents in agriculture by post-treatment in a step feed dual treatment process**  
KAYA D., Dilek F. B., Goekcay C. F.  
DESALINATION, vol.215, pp.29-36, 2007 (SCI-Expanded)
- XXX. **Modeling chlorophenols degradation in sequencing batch reactors with instantaneous feed-effect of 2,4-DCP presence on 4-CP degradation kinetics**  
ŞAHİNKAYA E., Dilek F. B.  
BIODEGRADATION, vol.18, no.4, pp.427-437, 2007 (SCI-Expanded)
- XXXI. **Effect of feeding time on the performance of a sequencing batch reactor treating a mixture of 4-CP and 2,4-DCP**

- ŞAHİNKAYA E., Dilek F. B.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.83, no.4, pp.427-436, 2007 (SCI-Expanded)
- XXXII. **Occurrence of disinfection by-products in low DOC surface waters in Turkey**  
ATEŞ N., Kaplan S. S., ŞAHİNKAYA E., KİTİŞ M., Dilek F. B., Yetis U.  
JOURNAL OF HAZARDOUS MATERIALS, vol.142, pp.526-534, 2007 (SCI-Expanded)
- XXXIII. **Biodegradation kinetics of 2,4-dichlorophenol by acclimated mixed cultures**  
ŞAHİNKAYA E., Dilek F. B.  
JOURNAL OF BIOTECHNOLOGY, vol.127, no.4, pp.716-726, 2007 (SCI-Expanded)
- XXXIV. **Effect of biogenic substrate concentration on 4-chlorophenol degradation kinetics in sequencing batch reactors with instantaneous feed**  
ŞAHİNKAYA E., Dilek F. B.  
JOURNAL OF HAZARDOUS MATERIALS, vol.137, no.1, pp.282-287, 2006 (SCI-Expanded)
- XXXV. **Biodegradation of 4-CP and 2,4-DCP mixture in a rotating biological contactor (RBC)**  
şahinkaya E., Dilek F. B.  
BIOCHEMICAL ENGINEERING JOURNAL, vol.31, no.2, pp.141-147, 2006 (SCI-Expanded)
- XXXVI. **Effect of biogenic substrate concentration on chlorophenol degradation kinetics**  
ŞAHİNKAYA E., Dilek F. B.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.81, no.9, pp.1530-1539, 2006 (SCI-Expanded)
- XXXVII. **Importance of H<sub>2</sub>O<sub>2</sub>/Fe<sup>2+</sup> ratio in Fenton's treatment of a carpet dyeing wastewater**  
Gulkaya I., Surucu G. A., Dilek F. B.  
JOURNAL OF HAZARDOUS MATERIALS, vol.136, no.3, pp.763-769, 2006 (SCI-Expanded)
- XXXVIII. **Use of Fenton oxidation to improve the biodegradability of a pharmaceutical wastewater**  
Tekin H., BİLKEY O., Ataberk S. S., Balta T. H., Ceribasi I. H., Sanin F. D., Dilek F. B., Yetis U.  
JOURNAL OF HAZARDOUS MATERIALS, vol.136, no.2, pp.258-265, 2006 (SCI-Expanded)
- XXXIX. **Effect of biogenic substrate concentration on the performance of sequencing batch reactor treating 4 CP and 2 4 DCP mixtures**  
ŞAHİNKAYA E., DİLEK F. B.  
Journal Of Hazardous Materials, vol.128, pp.258-264, 2006 (SCI-Expanded)
- XL. **Effect of biogenic substrate concentration on the performance of sequencing batch reactor treating 4-CP and 2,4-DCP mixtures**  
SAHINKAYA E., Dilek F. B.  
Journal of Hazardous Materials, vol.128, pp.258-264, 2006 (SCI-Expanded)
- XLI. **An investigation of agricultural use potential of wastewater sludges in Turkey - case of heavy metals**  
Ozsoy G., Dilek F. B., Sanin F. D.  
WATER SCIENCE AND TECHNOLOGY, vol.54, pp.155-161, 2006 (SCI-Expanded)
- XLII. **Biodegradation of 4-chlorophenol by acclimated and unacclimated activated sludge - Evaluation of biokinetic coefficients**  
ŞAHİNKAYA E., Dilek F. B.  
ENVIRONMENTAL RESEARCH, vol.99, no.2, pp.243-252, 2005 (SCI-Expanded)
- XLIII. **Trihalomethanes and associated potential cancer risks in the water supply in Ankara, Turkey**  
Tokmak B., ÇAPAR G., DİLEK F. B., YETİŞ Ü.  
ENVIRONMENTAL RESEARCH, vol.96, no.3, pp.345-352, 2004 (SCI-Expanded)
- XLIV. **Treatment of Tectilon Yellow 2G by *Chlorella vulgaris***  
EBRU a., DİLEK F. B.  
Process Biochemistry, pp.623-631, 2004 (SCI-Expanded)
- XLV. **Water savings and sludge minimization in a beet-sugar factory through re-design of the wastewater treatment facility**  
DİLEK F. B., YETİŞ Ü., Gökçay C. F.  
Journal of Cleaner Production, vol.11, no.3, pp.327-331, 2003 (SCI-Expanded)
- XLVI. **Nutritional and cultural parameters influencing antidipteran delta endotoxin production**  
ÖZKAN M., DİLEK F. B., YETİŞ Ü., ÖZCENGİZ G.

- Research In Microbiology, pp.49-53, 2003 (SCI-Expanded)
- XLVII. **Effects of 2,4-dichlorophenol on activated sludge**  
 ŞAHİNKAYA E., Dilek F. B.  
 APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.59, pp.361-367, 2002 (SCI-Expanded)
- XLVIII. **Effectiveness of algae in the treatment of a wood-based pulp and paper industry wastewater**  
 Tarlan E., DİLEK F. B., YETİŞ Ü.  
 Bioresource Technology, vol.84, no.1, pp.1-5, 2002 (SCI-Expanded)
- XLIX. **Ni(II) biosorption by Polyporous versicolor**  
 DİLEK F. B., Erbay A., YETİŞ Ü.  
 Process Biochemistry, vol.37, no.7, pp.723-726, 2002 (SCI-Expanded)
- L. **Algal treatment of pulp and paper industry wastewaters in SBR systems**  
 Tarlan E., YETİŞ Ü., DİLEK F. B.  
 WATER SCIENCE AND TECHNOLOGY, vol.45, no.12, pp.151-158, 2002 (SCI-Expanded)
- LI. **Effectiveness of Algae in the Treatment of a Wood based Pulp and Paper Industry Wastewater**  
 ESRA t., DİLEK F. B., YETİŞ Ü.  
 Bioresource Technology, pp.1-5, 2002 (SCI-Expanded)
- LII. **Microbial solubilization of lignites**  
 Gokcay C. F., Kolankaya N., Dilek F. B.  
 Fuel, vol.80, no.10, pp.1421-1433, 2001 (SCI-Expanded)
- LIII. **Removal of trihalomethane precursors by granular activated carbon treatment**  
 CAPAR G., DEMİRER G. N., DİLEK F. B., YETİŞ Ü.  
 FRESenius ENVIRONMENTAL BULLETIN, vol.10, no.2, pp.197-202, 2001 (SCI-Expanded)
- LIV. **Treatment of pulping effluents by using alum and clay - Colour removal and sludge characteristics**  
 DİLEK F. B., Bese S.  
 Water SA, vol.27, no.3, pp.361-366, 2001 (SCI-Expanded)
- LV. **The removal of Pb(II) by Phanerochaete chrysosporium**  
 YETİŞ Ü., Dolek A., DİLEK F. B., ÖZCENGİZ G.  
 Water Research, vol.34, no.16, pp.4090-4100, 2000 (SCI-Expanded)
- LVI. **Colour and AOX removal from pulping effluents by algae**  
 Dilek F. B., Taplamacioglu H., Tarlan E.  
 APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.52, no.4, pp.585-591, 1999 (SCI-Expanded)
- LVII. **Sequence of microbial, populations associated with the treatment of pulping effluents in a model activated sludge plant**  
 Demirbas G., Gokcay C., DİLEK F. B.  
 FRESenius ENVIRONMENTAL BULLETIN, vol.7, pp.114-119, 1998 (SCI-Expanded)
- LVIII. **Combined effects of Ni(II) and Cr(VI) on activated sludge**  
 DİLEK F. B., Gokcay C. F., YETİŞ Ü.  
 Water Research, vol.32, no.2, pp.303-312, 1998 (SCI-Expanded)
- LIX. **Microbiology of activated sludge treating wastewater containing Ni(II) and Cr(VI)**  
 DİLEK F. B., Gokcay C.  
 Water Science and Technology, vol.34, pp.183-191, 1996 (SCI-Expanded)
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- LXIII. **EFFECTS OF CU(II) ON A CHEMOSTAT CONTAINING ACTIVATED-SLUDGE**  
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ENVIRONMENTAL TECHNOLOGY, vol.12, no.11, pp.1007-1016, 1991 (SCI-Expanded)
- LXIV. **Effects of nickel, chromium and initial feed concentration on the batch growth of a microbial consortium developed from sewage**  
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in: Radiation Treatment of Wastewater for Reuse with Particular Focus on Wastewaters Containing Organic Pollutants, , Editor, International Atomic Energy Agency, Vienna, pp.180-191, 2018
- II. **Su Kaynaklarında Kirlenme**  
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THESSALONIKI, 2021 Virtual 8TH International Conference on Sustainable Solid Waste Management, Selanik, Greece, 23 June 2021
- IV. **Biological Removal of Selected Pesticides from Wastewaters**  
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- V. **Investigation of Waste Management Practices in Turkey with a particular focus on Interim Waste Storage Facilities**  
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- VI. **Removal of Dicofol and Irgarol from Wastewater using Reverse Osmosis**  
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- VII. **Occurrence of micropollutants in the industrial wastewaters discharged to Yeşilirmak and Nilüfer Rivers in Turkey**  
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- VIII. **Estimation of diffuse pollution loads of pesticides in Tersakan Sub-Basin of Yeşilirmak River, Turkey**  
Ayyıldız C., Dilek F. B., Yetiş Ü., Ünlü K.  
International Soil Congress 2019, Ankara, Turkey, 17 - 19 June 2019, vol.1, pp.430
- IX. **Noktasal Kaynakların Yeşilirmak Havzası Alıcı Ortam Kalitesine Etkilerinin Belirlenmesi**  
KÜÇÜK E., PİLEVNELİ T., ASLAN S., ERGÜVEN G. Ö., OLGUN E. Ö., CANLI o., KURT Z., ÇELİK MADENLİ E., ÜNLÜ K., DİLEK F. B., et al.  
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- X. **Waste Generation in Paint Sector in Turkey**  
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3rd South East European Conference on Sustainable Development of Energy Water and Environment Systems (3rd SEE SDEWES conference, Serbia And Montenegro, 30 June - 04 July 2018, no.65, pp.1-26
- XI. **Determination of Groundwater Threshold Values: A Methodological Approach Applied to the Gediz River Basin (Western Turkey)**  
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- XII. **Identification of river basin specific pollutants using hazard ranking and risk-ranking of chemicals**  
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- XIII. **Yaş Proses İçeren bir Tekstil Fabrikasında Yapılan Kimyasal Değişikliği Çalışması**  
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12. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 5 - 07 October 2017
- XIV. **Türkiye de Kullanılan Pestisitlerin Karşılaştırmalı Yeraltısuyuna Sızma Eğilimleri**  
AKAY e., KARAASLAN y., DİLEK F. B., YETİŞ Ü.  
12. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 5 - 07 October 2017
- XV. **Comparative Leaching Tendency of Pesticides used in Turkey**  
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- XVI. **Nanofiltration for the Removal of Sulfate in Drinking Water Resources**  
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- XVII. **Analysis of the Best Available Techniques BAT for Wastewater Emissions from a Denim Manufacturing Textile Mill**  
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- XVIII. **Modern Practices in the Management of Wastfrom Iron and Steel Industry**  
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- XIX. **Biological treatability combined with radiation processing of opium industry wastewater A case study**  
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- XX. **Teorik Atık Envanteri Geliştirilmesi Tehlikeli Atık Yönetim Sistemlerinde Kullanımı**  
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- XXI. **Treating Micropollutants of Emerging Concern A Case of Triclosan**

DİLEK F. B.

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- XXII. **Exploring Stabilization Alternatives for a Lime-Softening Sludge with a High Organic Content**  
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- XXIII. **Effect of Triclosan on the Selection of Antibiotic Resistance in Sludge from Wastewater Treatment Plants**  
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- XXV. **Upgrading of pond effluents for reuse**  
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- XXVI. **Ankara Şehrinin Ham Suyunda İleri Koagülasyon Çalışması**  
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- XXX. **Assessment of Toxicity and Biodegradability of Pulping Effluents by Electrolytic Respirometry**  
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- XXXI. **Treatment of Pulp and Paper Effluents by Algae Decolorization and AOX Removal**  
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- XXXII. **Investigation into the microbiology of a high rate jet-loop activated sludge reactor treating brewery wastewater**  
Dilek F. B., Anderson G., Bloor J.  
Proceedings of the 1996 18th Biennial Conference of the International Association on Water Quality. Part 3, Singapore, Singapore, 23 - 28 June 1996, vol.34, pp.107-112
- XXXIII. **Microbiology of Activated Sludge Treating Wastewater Containing Ni II and Cr VI**  
DİLEK F. B., gökçay c.  
IAWQ Water Quality International'xx96, Singapore, 23 - 28 June 1996
- XXXIV. **Colour Removal from Kraft Mill Effluents by Algae**  
DİLEK F. B., taplamacioğlu h.  
IAWQ Water Quality International'xx96, Singapore, 23 May - 28 June 1996
- XXXV. **Investigation into the Microbiology of a High Rate Jet loop Activated Sludge Reactor Treating**

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IAWQ Water Quality International'xx96, 23 - 28 June 1996

**XXXVI. Effect of Influent Strength on Ni II treating Activated Sludge**

DİLEK F. B., gökçay c.

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**XXXVII. Evsel Atıksuların Permanganat ile Arıtımı**

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**XXXVIII. Treatment of Effluents from Hemp Based Pulp and Paper Industry I Waste Characterization and Physico chemical Treatability**

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**XXXIX. Treatment of Effluents from Hemp Based Pulp and Paper Industry II Biological Treatability of Pulping Effluents**

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Proceedings of IAWQ International Specialized Conference on Pre-treatment of Industrial Wastewaters, Atina, Greece, 13 - 15 October 1993, pp.539-542

**XL. Türk Linyitlerinin Biyolojik Yolla Sıvılaştırılması**

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1st International Conference and Exhibition on Biological Waste Treatment, Herning, Denmark, 1 - 04 June 1992

**XLIV. Effects of Heavy Metals on Activated Sludge Process**

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**XLV. Effects of Selected Metals on Microbial Growth**

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## **Expert Reports**

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## **Supported Projects**

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Yetiş Ü., Dilek F. B., Uzal N., Uzal B., Project Supported by Other Official Institutions, Türkiye Çevre Etiket Ssteminin Geliştirme Projesi TÇES, 2021 - 2023

Yetiş Ü., Dilek F. B., Alp E., Çapar G., Küçük E., Pilevneli T., Project Supported by Other Official Institutions, ENTEGRE KİRLİLİK ÖNLEME VE KONTROLÜ KAPSAMINDA ATIK İŞLEME TESİSLERİNİN DEĞERLENDİRİLMESİ UYUM DURUMLARININ ARAŞTIRILMASI VE UYUM GEREKSİNİM MODELLERİNİN GELİŞTİRİLMESİ PROJESİ, 2020 - 2022

Yetiş Ü., Dilek F. B., Kurt Z., Çapar G., Pilevneli T., Küçük E., Kaplan Bekaroğlu Ş. Ş., Ülgüdür N., Project Supported by Other Official Institutions, ATIK BEYAN SİSTEMİNE DENETİM KABİLİYETİ KAZANDIRILMASI VE ATIK YÖNETİMİNİN İYİLEŞTİRİLMESİ PROJESİ, 2019 - 2020

Yetiş Ü., Dilek F. B., Yılmaz Tokel Y. D., Küçük E., Pilevneli T., Ülgüdür N., Project Supported by Other Official Institutions, ATIK ARA DEPOLAMA TESİSLERİNE İLİŞKİN KRİTER VE ESASLARIN BELİRLENMESİ PROJESİ, 2019 - 2020

DİLEK F. B., SÖNMEZ B., Project Supported by Higher Education Institutions, İMİDAKLOPRİD'İN ATIKSUDAN OZANLAMA İLE UZAKLAŞTIRILMASI, 2018 - 2020

DİLEK F. B., YILMAZ P., Project Supported by Higher Education Institutions, AKLONİFEN'İN KARBON NANOTÜP İLE SULARDAN GİDERİMİ, 2018 - 2020

Yetiş Ü., Ünlü K., Dilek F. B., Ateş N., Uzal N., TUBITAK Project, Yeşilirmak Havzası Noktasal ve Yayılı Kirlilik Kaynakları Yönetimi, 2016 - 2020

Yetiş Ü., Dilek F. B., Bayramoğlu T. H., Project Supported by Other Official Institutions, Belirli Sektörlerde Temiz Üretim Uygulamaları Projesi (BESTÜ), 2019 - 2019

Yetiş Ü., Dilek F. B., Project Supported by Other Official Institutions, İçme Suyu Havzalarında Güneş Enerji santrallerinin (GES) Olası Etkilerinin Değerlendirilmesi, 2018 - 2018

Dilek F. B., Yetiş Ü., Ünlü K., Project Supported by Other Official Institutions, Alıcı Ortam Kriterleri Bazında Deşarj Standartlarını Belirleme ve Uygulama Yöntemlerinin Geliştirilmesi Projesi, 2016 - 2018

Dilek F. B., Yetiş Ü., Çelik Madenli E., EU Supported Other Project, Technical Assistance for Strengthening the Capacity of Ministry of Environment and Urbanization on EIA (Sektörel ÇED Kılavuzlarının Hazırlanması), 2017 - 2017

DİLEK F. B., ALI M., Project Supported by Higher Education Institutions, Removal of Pesticide from Water with Fenton-like Process: Effectiveness of a new heterogeneous catalyst (Fenton Benzeri Proses ile Sulardan Pestisit Giderimi: Yeni bir heterojen katalizörün etkinliğinin araştırılması), 2017 - 2017

DİLEK F. B., Günkaya Z., AYGENÇ M., Project Supported by Higher Education Institutions, YAŞAM DÖNGÜSÜ ANALİZİNİN LEED YEŞİL BİNA SERTİFİKASYON SİSTEMİNE ENTEGRASYONU - SU VE ENERJİ VERİMLİLİĞİ DEĞERLENDİRMESİ, 2017 - 2017

Dilek F. B., Yetiş Ü., Ünlü K., Project Supported by Other Official Institutions, Sektörel Bazlı Tehlikeli Atık Üretimi ve Yönetimi Rehber Dokümanlarının Hazırlanması, 2016 - 2016

DİLEK F. B., Project Supported by Other Private Institutions, Yeraltı Sularında Miktar ve Kalite Özelliklerinin Ortaya Konması ve Değerlendirilmesi Konusundaki Uygulamalar Gediz Havzası Örnek çalışması Kapsamında Danışmanlık, 2016 - 2016

DİLEK F. B., YETİŞ Ü., Project Supported by Other Private Institutions, Yeraltı suyuna geçme potansiyeli olan kirleticilerin belirlenmesi, 2015 - 2015

## Memberships / Tasks in Scientific Organizations

MÜDEK-MAK, Board Member, 2015 - Continues, Turkey

MÜDEK-MAK - MÜHENDİSLİK EĞİTİM PROGRAMLARI AKREDİTASYON KURULU, Chairman, 2019 - 2021, Turkey

MÜDEK-MAK, Co-chairman, 2017 - 2019, Turkey

## Scientific Refereeing

SDEWES 2024, Conference Paper (Full Text), June 2024

Sustainable Chemistry and Pharmacy, SCI Journal, April 2024

SDEWES 2024, Conference Paper (Full Text), March 2024

Sustainable Chemistry and Pharmacy, SCI Journal, January 2024  
Sustainable Chemistry and Pharmacy, SCI Journal, May 2023  
JOURNAL OF CLEANER PRODUCTION, SCI Journal, January 2023  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, SCI Journal, December 2022  
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ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, July 2022  
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TÜBİTAK International Multi-Cooperation Project, EIG CONCERT-Japan Project, EIG Concert-Japan, Lithuania, October 2019  
TUBİTAK Project, 1512 - Progressive Support Program for Entrepreneurship, Middle East Technical University, Turkey, September 2019  
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ENVIRONMENTAL MONITORING AND ASSESSMENT, SCI Journal, May 2019  
ENVIRONMENTAL MONITORING AND ASSESSMENT, SCI Journal, May 2019  
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TUBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2019  
TUBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2019  
TUBİTAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, May 2019  
TUBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2019  
TUBİTAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2019  
TUBİTAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Middle East Technical University, Turkey, April 2019  
TUBİTAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Middle East Technical University, Turkey, April 2019  
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TUBİTAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Middle East Technical University, Turkey, April 2019  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, March 2019  
Renewable & Sustainable Energy Reviews, SCI Journal, February 2019  
TUBİTAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, February 2019

## **Tasks In Event Organizations**

Dilek F. B., 19th SDEWES Conference on sustainable development of energy, water and environment system, Scientific Congress, Italy, Eylül 2024  
Dilek F. B., Rhodes 2024 11th International Conference on Sustainable Solid Waste Management, Scientific Congress, Rodos, Greece, Haziran 2024  
Dilek F. B., The 2nd AP Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Scientific Congress, Australia, Nisan 2024  
Dilek F. B., 4th La Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Scientific Congress, Chile, Ocak 2024  
Dilek F. B., 18th SDEWES Conference on Sustainable Development of Energy, Water and Environment Systems , Scientific Congress, Croatia, Eylül 2023  
Dilek F. B., Yetiş Ü., 16th SDEWES Conference Dubrovnik 2021, Scientific Congress, Montenegro, Ekim 2021

Dilek F. B., Yetiş Ü., THESSALONIKI 2021, Scientific Congress, Greece, Haziran 2021

Dilek F. B., Duic N., Stadler I., Yetiş Ü., Kilkış Ş., 15th Conference on Sustainable Development of Energy, Water and Environment Systems, Scientific Congress, Cologne, Germany, Eylül 2020

Dilek F. B., Duic N., Kupusovic T., Yetiş Ü., 4th SEE SDEWES conference, Scientific Congress, Sarajevo, Bosnia And Herzegovina, Temmuz 2020

Dilek F. B., Duic N., Stewart R., Yetiş Ü., 1st AP SDEWES conference Gold Coast, Scientific Congress, Australia, Nisan 2020

Dilek F. B., Duic N., 2nd Latin American SDEWES conference, 9 – 12 February 2020, Scientific Congress, Buenos Aires, Argentina, Şubat 2020

Dilek F. B., Duic N., Kilkış Ş., 14th Conference on Sustainable Development of Energy, Water and Environment Systems, Scientific Congress, Dubrovnik, Croatia, Ekim 2019

Konstantinos M., Yetiş Ü., Dilek F. B., 7TH INTERNATIONAL CONFERENCE ON SUSTAINABLE SOLID WASTE MANAGEMENT, Scientific Congress, Greece, Haziran 2019

## **Mobility Activity**

Post Doc, Post Doc, University of Newcastle Upon Tyne, England, 1993 - 1994

## **Metrics**

Publication: 113

Citation (WoS): 1850

Citation (Scopus): 2885

H-Index (WoS): 26

H-Index (Scopus): 31

## **Non Academic Experience**

MÜDEK

MÜDEK

University of New Castle Upon Tyne, England