

Prof. BÜLENT MERTOĞLU

Personal Information

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International Researcher IDs

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Biography

Bulent Mertoglu is a professor of bioengineering department. His research activities have been focused on environmental biotechnology and molecular ecology. He has a wide and rich experience on solid waste management, wastewater and leachate treatment, and molecular ecology. He has published more than 30 research papers in SCI journals and more than 20 conference proceedings and abstracts. He has been taking many national projects supported by Marmara University and the Scientific and Technical Research Council of Turkey. He has also provided technical assistance to support the Central Finance and Contracts Unit (CFCU) and the Ministry of Environment and Forest.

Research Areas

Environmental Engineering, Biomedical Engineering, Biotechnology

Academic Titles / Tasks

Professor, Marmara University, Faculty of Engineering, Bioengineering, 2015 - Continues

Associate Professor, Marmara University, Faculty of Engineering, Bioengineering, 2009 - 2015

Assistant Professor, Marmara University, Faculty of Engineering, Bioengineering, 2007 - 2009

Assistant Professor, Marmara University, Faculty of Engineering, Chemical Engineering, 2006 - 2007

Research Assistant, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Environmental Engineering (Eng), 2000 - 2005

Academic and Administrative Experience

Head of Department, Marmara University, Faculty of Engineering, Bioengineering, 2019 - Continues

Coordinator of Faculty Training Program, Marmara University, Faculty of Engineering, Bioengineering, 2014 - Continues

Assistant Director of the Institute, Marmara University, Faculty of Engineering, Bioengineering, 2017 - 2020

Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2010 - 2013

Courses

Bioengineering Project, Undergraduate, 2019 - 2020
Bioreaction Engineering, Undergraduate, 2019 - 2020
Seminar, Postgraduate, 2019 - 2020
Tehlikeli Madde ve Atık Yönetimi, Doctorate, 2019 - 2020

Advising Theses

MERTOĞLU B., Fakülte binalarının iş sağlığı ve güvenliğine uygun şekilde yapılandırılması: bir devlet üniversitesi örneği, Postgraduate, E.Şentürk(Student), 2019
MERTOĞLU B., Güvenlik kültürünün iki farklı ülkede karşılaştırılması, Postgraduate, S.Temur(Student), 2019
Mertoğlu B., Investigation of the effects of bisphenol a and nonylphenol on the transcriptional profiles of *Saccharomyces cerevisiae* genome, Doctorate, C.BEREKETOĞLU(Student), 2017
Sarıyar Akbulut B., MERTOĞLU B., Transcriptional changes in *Escherichia coli* upon treatment with (-)-roemerine, Postgraduate, D.AYYILDIZ(Student), 2016
Mertoğlu B., Investigation of the impact of urbanization on climate and air quality: A case study over Turkey, Doctorate, H.ÖZDEMİR(Student), 2013
Mertoğlu B., Investigation of heavy metals and ammonia inhibition on anaerobic reactor, Postgraduate, B.YÜZER(Student), 2012
Mertoğlu B., Characterization of landfill leachates in turkey and assessment of treatment alternatives, Doctorate, D.AKGÜL(Student), 2012
Mertoğlu B., Quantification of sensitive nitrogen converting organisms in landfills by using molecular techniques, Postgraduate, Ç.ALİYAZICIOĞLU(Student), 2011
Mertoğlu B., Treatment alternatives for reverse osmosis concentrate of landfill leachate, Postgraduate, S.YİĞİT(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Long-term response of anammox process to hydrazine under different exposure strategies**
Sari T., Akgül D., Mertoğlu B.
Journal of Environmental Chemical Engineering, vol.12, no.5, 2024 (SCI-Expanded)
- II. **Enhancement of hydrazine accumulation in anammox bioreactors**
Sari T., AKGÜL D., MERTOĞLU B.
Chemosphere, vol.359, 2024 (SCI-Expanded)
- III. **Does social compliance affect the remaining safety culture in supply chains? Framework in the textile industry Conformitatea socială are efect asupra culturii de siguranță în lanțurile de aprovizionare? Studiu de caz în industria textilă**
Temur S., MERTOĞLU B.
Industria Textila, vol.75, no.3, pp.347-358, 2024 (SCI-Expanded)
- IV. **Evaluation of safety culture factors in the construction industry: a cross-country study of sites**
Atasever F., Alev M., Tepe S., MERTOĞLU B.
International Journal of Occupational Safety and Ergonomics, 2024 (SSCI)
- V. **EXPOSURE TO HUMAN BACTERIAL PATHOGENS IN SOLID WASTE COLLECTION**
Hakan A. K., Unal M., MERTOĞLU B.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.31, no.3A, pp.3084-3097, 2022 (SCI-Expanded)
- VI. **Application of a Novel Hybrid f-SC Risk Analysis Method in the Paint Industry**
HACIBEKTAŞOĞLU S. E., MERTOĞLU B., Tozan H.
SUSTAINABILITY, vol.13, no.24, 2021 (SCI-Expanded)

- VII. **Short- and long-term effects of copper on anammox under gradually increased copper concentrations**
Aktan Ç., Yapsakli K., MERTOĞLU B.
BIODEGRADATION, vol.32, no.3, pp.273-286, 2021 (SCI-Expanded)
- VIII. **Transcriptomic analysis of nonylphenol effect on *Saccharomyces cerevisiae***
Bereketoglu C., Nacar G., Sari T., MERTOĞLU B., Pradhan A.
PEERJ, vol.9, 2021 (SCI-Expanded)
- IX. **A Multi Criteria Decision Making Methodology Based on Pythagorean Fuzzy Sets for Risk Assessment in Health Sector**
Aslantas S., Tepe S., MERTOĞLU B.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.35, no.5-6, pp.409-430, 2020 (SCI-Expanded)
- X. **Nitrogen Converters in Various Landfill Leachates**
AKGÜL D., Yuzer B., Yapsakli K., MERTOĞLU B.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.27, no.5, pp.1941-1948, 2018 (SCI-Expanded)
- XI. **Genome reprogramming in *Saccharomyces cerevisiae* upon nonylphenol exposure**
Bereketoglu C., ARĞA K. Y., Eraslan S., MERTOĞLU B.
PHYSIOLOGICAL GENOMICS, vol.49, no.10, pp.549-566, 2017 (SCI-Expanded)
- XII. **Transcriptomic analysis displays the effect of (-)-roemerine on the motility and nutrient uptake in *Escherichia coli***
Ayyildiz D., ARĞA K. Y., Avci F. G., ALTINIŞIK KAYA F. E., Gurer C., Toplan G. G., KAZAN D., Wozny K., Bruegger B., MERTOĞLU B., et al.
CURRENT GENETICS, vol.63, no.4, pp.709-722, 2017 (SCI-Expanded)
- XIII. **Analysis of transcriptional profiles of *Saccharomyces cerevisiae* exposed to bisphenol A**
Bereketoglu C., ARĞA K. Y., Eraslan S., MERTOĞLU B.
CURRENT GENETICS, vol.63, no.2, pp.253-274, 2017 (SCI-Expanded)
- XIV. **Anammox-zeolite system acting as buffer to achieve stable effluent nitrogen values**
Yapsakli K., KALKAN AKTAN Ç., MERTOĞLU B.
BIODEGRADATION, vol.28, no.1, pp.69-79, 2017 (SCI-Expanded)
- XV. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***
Bereketoglu C., ARĞA K. Y., MERTOĞLU B.
NEW BIOTECHNOLOGY, vol.33, 2016 (SCI-Expanded)
- XVI. **Preparation of poly(3-hydroxybutyrate-co-hydroxyvalerate) films from halophilic archaea and their potential use in drug delivery**
DANIŞ Ö., OGAN A., Tatlican P., ATTAR A., ÇAKMAKÇI E., MERTOĞLU B., BİRBİR M.
EXTREMOPHILES, vol.19, no.2, pp.515-524, 2015 (SCI-Expanded)
- XVII. **Spatial and temporal analysis of black carbon aerosols in Istanbul megacity**
ÖZDEMİR H., Pozzoli L., Kırdap T., DEMİR G., MERTOĞLU B., Mihalopoulos N., Theodosi C., Kanakidou M., Im U., Ünal A.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.473, pp.451-458, 2014 (SCI-Expanded)
- XVIII. **Treatment of landfill leachate using UASB-MBR-SHARON-Anammox configuration**
AKGÜL D., KALKAN AKTAN Ç., Yapsakli K., MERTOĞLU B.
BIODEGRADATION, vol.24, no.3, pp.399-412, 2013 (SCI-Expanded)
- XIX. **Inhibitory effects of free ammonia on Anammox bacteria**
KALKAN AKTAN Ç., Yapsakli K., MERTOĞLU B.
BIODEGRADATION, vol.23, no.5, pp.751-762, 2012 (SCI-Expanded)
- XX. **Solidification/stabilization of landfill leachate concentrate using different aggregate materials**
Hunçe S., AKGÜL D., DEMİR G., MERTOĞLU B.
WASTE MANAGEMENT, vol.32, no.7, pp.1394-1400, 2012 (SCI-Expanded)
- XXI. **Case study of PM pollution in playgrounds in Istanbul**
Ozdemir H., MERTOĞLU B., DEMİR G., Deniz A., Toros H.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.108, pp.553-562, 2012 (SCI-Expanded)

- XXII. **Identification and quantitative evaluation of nitrogen-converting organisms in a full-scale leachate treatment plant**
Yapsakli K., Aliyazicioglu C., MERTOĞLU B.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.92, no.3, pp.714-723, 2011 (SCI-Expanded)
- XXIII. **Evaluation of Biological Activated Carbon (BAC) process in wastewater treatment secondary effluent for reclamation purposes**
Kalkan C., Yapsakli K., MERTOĞLU B., Tufan D., Saatci A.
DESALINATION, vol.265, pp.266-273, 2011 (SCI-Expanded)
- XXIV. **CHARACTERIZATION OF LANDFILL LEACHATES IN TURKEY**
AKGÜL D., MERTOĞLU B., Yuzer B.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, no.10, pp.2638-2642, 2011 (SCI-Expanded)
- XXV. **Investigation of nitrogen converters in membrane bioreactor**
Ozdemir B., MERTOĞLU B., Yapsakli K., Aliyazicioglu C., Saatci A., Yenigun O.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.46, no.5, pp.500-508, 2011 (SCI-Expanded)
- XXVI. **Examination of Bacterial and Archaeal Populations in Salt, Salted and Soaked Hide and Soak Liquors via Fluorescent In Situ Hybridization**
Berber D., BİRBİR M., MERTOĞLU B.
JOURNAL OF THE SOCIETY OF LEATHER TECHNOLOGISTS AND CHEMISTS, vol.94, no.6, pp.259-261, 2010 (SCI-Expanded)
- XXVII. **Identification of nitrifiers and nitrification performance in drinking water biological activated carbon (BAC) filtration**
Yapsakli K., MERTOĞLU B., ÇEÇEN F.
PROCESS BIOCHEMISTRY, vol.45, no.9, pp.1543-1549, 2010 (SCI-Expanded)
- XXVIII. **Monitoring of population shifts in an enriched nitrifying system under gradually increased cadmium loading**
MERTOĞLU B., SEMERÇİ N., Guler N., ÇALLI B., ÇEÇEN F., Saatci A. M.
JOURNAL OF HAZARDOUS MATERIALS, vol.160, pp.495-501, 2008 (SCI-Expanded)
- XXIX. **Long-term assessment of nitrification in a full-scale wastewater treatment plant**
Mertoglu B.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.43, no.5, pp.538-546, 2008 (SCI-Expanded)
- XXX. **Effects of insufficient air injection on methanogenic Archaea in landfill bioreactor**
Mertoglu B., Calli B., Guler N., Inanc B., Inoue Y.
JOURNAL OF HAZARDOUS MATERIALS, vol.142, pp.258-265, 2007 (SCI-Expanded)
- XXXI. **Extremely halophilic Archaea from Tuz Lake, Turkey, and the adjacent Kaldirim and Kayacik salterns**
Birbir M., Calli B., Mertoglu B., Bardavid R. E., Oren A., Ogmen M. N., Ogan A.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.23, pp.309-316, 2007 (SCI-Expanded)
- XXXII. **Evaluation of in situ ammonia removal in an aerated landfill bioreactor**
Mertoglu B., Calli B., Inanc B., Ozturk I.
PROCESS BIOCHEMISTRY, vol.41, no.12, pp.2359-2366, 2006 (SCI-Expanded)
- XXXIII. **Comparison of long-term performances and final microbial compositions of anaerobic reactors treating landfill leachate**
Calli B., Mertoglu B., Roest K., Inanc B.
BIORESOURCING TECHNOLOGY, vol.97, no.4, pp.641-647, 2006 (SCI-Expanded)
- XXXIV. **Identification of prevalent microbial communities in a municipal solid waste landfill**
Calli B., Durmaz S., Mertoglu B.
WATER SCIENCE AND TECHNOLOGY, vol.53, no.8, pp.139-147, 2006 (SCI-Expanded)
- XXXV. **Methanogenic diversity in anaerobic bioreactors under extremely high ammonia levels**
Calli B., Mertoglu B., Inanc B., Yenigun O.
ENZYME AND MICROBIAL TECHNOLOGY, vol.37, no.4, pp.448-455, 2005 (SCI-Expanded)

- XXXVI. **Community changes during start-up in methanogenic bioreactors exposed to increasing levels of ammonia**
Calli B., Mertoglu B., Inanc B., Yenigun O.
ENVIRONMENTAL TECHNOLOGY, vol.26, no.1, pp.85-91, 2005 (SCI-Expanded)
- XXXVII. **Comparative analysis of nitrifying bacteria in full-scale oxidation ditch and aerated nitrification biofilter by using fluorescent in situ hybridization (FISH) and denaturing gradient gel electrophoresis (DGGE)**
Mertoglu B., Calli B., Girgin E., Inanc B., Ozturk I.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.40, no.5, pp.937-948, 2005 (SCI-Expanded)
- XXXVIII. **Enzyme characteristics of extremely halophilic archaeal community in Tuzkoy Salt Mine, Turkey**
Birbir M., Ogan A., Calli B., Mertoglu B.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.20, no.6, pp.613-621, 2004 (SCI-Expanded)
- XXXIX. **Investigation of variations in microbial diversity in anaerobic reactors treating landfill leachate**
Calli B., Mertoglu B., Tas N., Inanc B., Yenigun B., Yenigun O., Ozturk I.
WATER SCIENCE AND TECHNOLOGY, vol.48, no.4, pp.105-112, 2003 (SCI-Expanded)
- XL. **Molecular analysis of microbial communities in nitrification and denitrification reactors treating high ammonia leachate**
Calli B., Tas N., Mertoglu B., Inanc B., Ozturk I.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.38, no.10, pp.1997-2007, 2003 (SCI-Expanded)
- XLI. **Toxicity assessment on combined biological treatment of pharmaceutical industry effluents**
İnanç B., ÇALLI B., ALP K., ÇİNER F., MERTOĞLU B., ÖZTÜRK İ.
WATER SCIENCE AND TECHNOLOGY, vol.45, pp.135-142, 2002 (SCI-Expanded)
- XLII. **Toxicity assessment on combined biological treatment of pharmaceutical industry effluents**
Inanc B., Calli B., Alp K., Ciner F., Mertoglu B., Ozturk I.
WATER SCIENCE AND TECHNOLOGY, vol.45, no.12, pp.135-142, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Effect of Fire Training Given with Virtual Reality Applications on Individual Awareness**
SAKLANGIÇ U., MERTOĞLU B.
Journal of Technical Education and Training, vol.15, no.3 Special Issue, pp.25-34, 2023 (ESCI)
- II. **Application of A Risk Analysis with Fuzzy Multi-Criteria Decision Making Methods**
HACIBEKTAŞOĞLU S. E., MERTOĞLU B., TOZAN H.
International Journal of Advances in Engineering and Pure Sciences, vol.34, no.3, pp.403-414, 2022 (Peer-Reviewed Journal)
- III. **Treatment of Landfill Leachate by Advanced Oxidation Processes**
Koçak S., Güney C., Tarkın B., Kirtman E. Ö., AKGÜL D., MERTOĞLU B.
Marmara Fen Bilimleri Dergisi, 2013 (Peer-Reviewed Journal)
- IV. **Effect of High Ammonia Concentration on UASB Reactor Treating Sanitary Landfill Leachate**
YÜZER B., AKGÜL D., MERTOĞLU B.
Marmara Fen Bilimleri Dergisi, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Long-term effects of microplastics polymers on anammox process**
BAKIRCI K., Sari T., AKGÜL D., MERTOĞLU B.
International Sustainable Resource Recovery Strategies Towards Zero Waste (FULLRECO4US) Conference, Turkey,

13 - 15 September 2023

- II. **Assessing the potential of anammox bacteria as an alternative bioenergy resource**
Sari T., AKGÜL D., MERTOĞLU B.
10th International Conference on Sustainable Solid Waste Management, Greece, 21 - 24 June 2023
- III. **Bioenergy production from wastewater: The case study of hydrazine biosynthesis tolerance of anammox bacteria**
Sari T., AKGÜL D., MERTOĞLU B.
31st European Biomass Conference & Exhibition, Bologna, Italy, 3 - 08 June 2023
- IV. **Investigating the effects of fluoxetine on the growth kinetics and gene expression profiles of *Saccharomyces cerevisiae***
Nacar G., Sari T., BEREKETOĞLU C., MERTOĞLU B.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019
- V. **Short-Term and Long-Term Inhibitory Effects of Copper on Anammox Process**
KALKAN AKTAN Ç., Uzunhasanoğlu A. E., BAKIRCI K., MERTOĞLU B.
The 3rd EWaS International Conference on "Insights on the Water-Energy-Food Nexus", Lefkada, Greece, 27 - 30 June 2018, vol.2, pp.657
- VI. **Hydrazine Production via Anammox Process**
BAKIRCI K., MERTOĞLU B.
2nd International Caparica Conference on Pollutant Toxic Ions and Molecules (PTİM), 6 - 09 November 2017
- VII. **Hydrazine Production via Anammox Process**
BAKIRCI K., MERTOĞLU B.
2nd International Conference on Pollutant Toxic Ions and Molecules, PTIM2017, 6 - 09 November 2017
- VIII. **Identification of Anammox bacteria in landfill leachates of Turkey**
BAKIRCI K., AKGÜL D., MERTOĞLU B.
IWA World Conference on Anaerobic Digestion, 17 October 2017 - 20 October 2107
- IX. **Long Term Effects of Cadmium on Anammox Process**
Uzunhasanoğlu A. E., Kalkan Aktan Ç., Bakırcı K., Mertoğlu B.
2nd International Conference of Civil and Environmental Engineering (ICOCEE 2017), Nevşehir, Turkey, 8 - 10 May 2017
- X. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***
BEREKETOĞLU C., ARĞA K. Y., MERTOĞLU B.
17th European Congress on Biotechnology, 3 - 06 July 2016
- XI. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***
BEREKETOĞLU C., ARĞA K. Y., MERTOĞLU B.
17th European Congress on Biotechnology, 3 - 06 July 2016
- XII. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***
BEREKETOĞLU C., ARĞA K. Y., MERTOĞLU B.
ECB2016 - 17. European Congress on Biotechnology, 3 - 06 July 2016
- XIII. **Transcriptional analysis of nonylphenol on *Saccharomyces cerevisiae* using DNA microarray**
BEREKETOĞLU C., ARĞA K. Y., ERASLAN S., MERTOĞLU B.
EMBO Conference "Gene transcription in yeast: From chromatin to RNA and back", 11 - 16 June 2016
- XIV. **Transcriptional analysis of nonylphenol on *Saccharomyces cerevisiae* using DNA microarray**
BEREKETOĞLU C., ARĞA K. Y., ERASLAN S., MERTOĞLU B.
Gene transcription in yeast: From chromatin to RNA and back, 11 - 16 June 2016
- XV. **Transcriptional analysis of nonylphenol on *Saccharomyces cerevisiae* using DNA microarray**
BEREKETOĞLU C., ARĞA K. Y., ERASLAN S., MERTOĞLU B.
Gene transcription in yeast: From chromatin to RNA and back, 11 - 16 June 2016
- XVI. **Enrichment of Anammox bacteria in reactor packed with Kaldnes Rings**
KALKAN AKTAN Ç., BAKIRCI K., MERTOĞLU B.
International Sustainable Water and Wastewater Management Symposium, Konya, Turkey, 26 October 2010 - 28

January 2016

- XVII. **Nitrogen converters in wastewater treatment plants**
MERTOĞLU B., BAKIRCI K.
1st International Caparica Conference on Pollutant Toxic Ions and Molecules (PTİM), 2 - 04 November 2015
- XVIII. **QUANTITATIVE EVALUATION OF NITROGEN CONVERTERS IN VARIOUS LANDFILL LEACHATES**
MERTOĞLU B., YÜZER B., AKGÜL D.
16th International Biotechnology Symposium and Exhibition, 14 - 19 September 2014
- XIX. **Research on the action mechanisms of endocrine disrupting chemicals via system biology approach**
BEREKETOĞLU C., ARĞA K. Y., MERTOĞLU B.
Advanced Lecture Course on Systems Biology, Innsbruck, Austria, 2 - 08 March 2014
- XX. **Diversity of Extremely Halophilic Archaeal Community in Tuzköy Salt Mine in Turkey**
Birbir M., Ogan A., Çallı B., Mertoğlu B.
Microbiologia Balkanica 2003, 3rd Balkan Conference of Microbiology 2003, İstanbul, Turkey, 10 - 13 July 2013
- XXI. **Türkiye’de beyaz eşya üretiminden kaynaklanan tehlikeli atıklar**
Yazıcı B., CAN Z. S., ÇALLI B., MERTOĞLU B., GÖKYAY O., AKGÜL D., YETİŞ Ü.
İTÜ 13. Endüstriyel Kirlenme Kontrolü Sempozyumu, Turkey, 17 - 19 October 2012
- XXII. **Türkiye’de otomotiv sektöründen kaynaklanan tehlikeli atıkların azaltılması çalışmaları**
CAN Z. S., GÖKYAY O., ÇALLI B., MERTOĞLU B., AKGÜL D., Yazıcı B., YETİŞ Ü.
İTÜ 13. Endüstriyel Kirlenme Kontrolü Sempozyumu, Turkey, 17 - 19 October 2012
- XXIII. **Investigation of Hazardous Waste Generation by Turkish Automotive Industry**
YAZICI B., CAN Z. S., GÖKYAY O., ÇALLI B., MERTOĞLU B., AKGÜL D., YETİŞ Ü.
EurAsia Waste Management Symposium, 14 - 16 November 2011
- XXIV. **Hazardous Waste Generation From Household Appliances Industry in Turkey**
YAZICI B., ÇALLI B., MERTOĞLU B., CAN Z. S., GÖKYAY O., AKGÜL D., YETİŞ Ü.
EurAsia Waste Management Symposium, 14 - 16 November 2011
- XXV. **Samsun katı atık düzenli depo sahası sızıntı suyu karakterizasyonu**
YÜZER B., AKGÜL D., MERTOĞLU B.
9. Ulusal Çevre Mühendisliği Kongresi, Samsun, Turkey, 5 - 08 October 2011
- XXVI. **Characterization of Landfill Leachates in Turkey**
AKGÜL D., YÜZER B., MERTOĞLU B.
International Sustainable Water and Wastewater Management Symposium, 26 - 28 October 2011
- XXVII. **Characterization of dissolved organic matter in landfill leachate by fluorescence spectroscopy**
MERTOĞLU B., BAKIRCI K., AKGÜL D., YÜZER B.
Fourth IWA Specialty Conference Natural Organic Matter: From Source to Tap and Beyond, 27 July 2011
- XXVIII. **Effects of reclaimed water irrigation in soil properties and crop**
KALKAN AKTAN Ç., BAKIRCI K., MERTOĞLU B.
International Conference on Environmental Science and Technology, ICOEST 2014, 14 May 2014 - 17 October 2010
- XXIX. **Impacts of Reclaimed Water Irrigation on Heavy Metal Distribution in Soil Properties and Crop**
KALKAN AKTAN Ç., BAKIRCI K., MERTOĞLU B.
11 th International Conference on Hydrosience and Engineering, ICHE 2014, Hamburg, Germany, 28 September 2014 - 02 October 2010
- XXX. **Co-occurrence of aerobic and anaerobic ammonium oxidizing microorganisms in landfill leachate**
AKGÜL D., Aliyazıcıoğlu Ç., YÜZER B., MERTOĞLU B.
IWA World Water Congress and Exhibition, 19 - 24 September 2010
- XXXI. **Tertiary treatment of Paşaköy Advanced Wastewater Treatment Plant by biological activated carbon (BAC)**
BAKIRCI K., KALKAN AKTAN Ç., AKGÜL D., MERTOĞLU B.
IWA World Water Congress and Exhibition 2010, 19 - 24 September 2010
- XXXII. **Zeolit dolgulu filtrelerde Anammox kültürünün yetiştirilmesi**
BAKIRCI K., YİĞİT HUNCE S., Yılmaz A. G., MERTOĞLU B.
Türkiye’de Çevre Kirliliği Öncelikleri Sempozyumu, İzmit, Turkey, 28 May 2009, pp.378-382

- XXXIII. **Bir katı atık depo sahasında stabilizasyona bağlı olarak görülen değişimler**
DURMAZ ŞAM S., MERTOĞLU B., YÜKSELEN M. A., ÇALLI B.
Ulusal Çevre Sempozyumu 2007, Mersin, Turkey, 18 - 21 April 2007
- XXXIV. **Identification of prevalent microbial communities in a municipal solid waste landfill**
ÇALLI B., DURMAZ ŞAM S., MERTOĞLU B.
Anaerobic Digestion of Solid Waste 2005 Conference, 31 August - 02 September 2005
- XXXV. **Havalandırılmalı katı atık depo sahasındaki mikrobiyal çeşitliliğin moleküler tekniklerle incelenmesi**
MERTOĞLU B., ÇALLI B., AKANYETİ İ., AKGÜL D., AKALIN N., İNANÇ B.
6. Ulusal Çevre Mühendisliği Kongresi, Turkey, 24 - 26 November 2005
- XXXVI. **Comparative evaluation of methanogenic communities in psychrophilic and mesophilic UASB reactors treating domestic wastewater**
Gomec C., Eroglu V., Ozturk I., Calli B., Mertoglu B.
European Symposium on Environmental Biotechnology, Oostende, Belgium, 25 - 28 April 2004, pp.69-73

Supported Projects

- Akgül D., Mertoğlu B., TUBITAK Project, Anammox Prosesinde Hidrazin Toleransı ve Metabolizmasının Araştırılması, 2019 - 2020
- Akgül D., Mertoğlu B., TUBITAK Project, Nanoparçacıkların Zenginleştirilmiş Anammox Kültürü Üzerindeki İnhibisyon Etkileri, 2018 - 2020
- Mertoğlu B., TUBITAK Project, Nonilfenolün Uzun Dönem (Kronik) Etkilerinin Rna Dizileme Yöntemiyle Araştırılması, 2018 - 2019
- Mertoğlu B., TUBITAK Project, Zenginleştirilmiş Anammox Kültüründe Metal İnhibisyonunun Araştırılması, 2015 - 2017
- Topcuoğlu H. R., Altınkut Uncuoğlu A., Mertoğlu B., Kayaman Apohan N., Kahraman M. V., Sezer A. D., TUBITAK Project, Marmara Üniversitesinin ARDEB Programlarına Yönelik Proje Desteklerinden Faydalanma Potansiyelinin Artırılması, 2014 - 2017
- Arğa K. Y., Mertoğlu B., Project Supported by Higher Education Institutions, Endokrin bozucu bileşiklerin *Saccharomyces cerevisiae* genomunun transkripsiyon profilleri üzerindeki etkilerinin moleküler metodlarla araştırılması, 2013 - 2016
- Mertoğlu B., TUBITAK Project, Identification of pathogens in wastewater treatment plant effluents using Real-Time PCR method, 2013 - 2015
- Gökay O., Can Z. S., Çallı B., Mertoğlu B., Akgül D., TUBITAK Project, Türkiye de AB Çevre Mevzuatı ile uyumlu Tehlikeli Atık Yönetimi, 2009 - 2013
- Can Z. S., Çallı B., Mertoğlu B., Gökay O., TUBITAK Project, Türkiye'de AB Çevre Mevzuatı ile Uyumlu Tehlikeli Atık Yönetimi, 2009 - 2012
- Çallı B., Mertoğlu B., TUBITAK Project, Organik Atıksu Arıtan Mikrobiyal Yakıt Hücreleri İle Doğrudan Elektrik Üretimi, 2008 - 2011
- Birbir M., Çallı B., Mertoğlu B., Ogan A., Ögmen M. N., Bardavid R. E., Project Supported by Higher Education Institutions, Türkiye deki Tuz Gölü nden Kaldırım ve Kayacak Tuzlasından Elde Edilen Aşırı Halofilik Arkebakteriler, 2007 - 2008

Activities in Scientific Journals

International journal of advances in engineering and pure sciences (Online), First Editor, 2017 - 2021

Metrics

Publication: 86

Citation (WoS): 1262

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H-Index (WoS): 18

H-Index (Scopus): 15