

Dr.Öğr.Üyesi NUR HANİFE ORAK

Kişisel Bilgiler

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Biyografi

Nur H. Orak is an Assistant Professor in the Department of Environmental Engineering at Marmara University. Prior to moving to Turkey Dr. Orak worked as a Postdoctoral Associate at The US Department of Energy-The National Energy Technology Laboratory and Carnegie Mellon University in the Department of Civil and Environmental Engineering, Pittsburgh. Orak is an environmental engineer with a multi-disciplinary research background. Her research interests include environmental statistics, mathematical modeling, environmental risk assessment, decision support, and environmental health.

Orak has a long history of leadership positions with several technical and non-technical NGOs in Turkey and the USA. Currently, she is the chair of the American Society of Civil Engineers-Environmental Water Resources Institute Students and Education Council and a board member of the New Professionals Council and Women-Water Nexus. She is serving as a member of ASCE-[EWRI Congress](#) Steering Committee and as the first international corresponding member of the [ASCE Convention](#).

Eğitim Bilgileri

Post Doktora, US Department of Energy, , U.S. National Energy Technology Laboratory (NETL), Amerika Birleşik Devletleri 2016 - 2017

Post Doktora, Carnegie Mellon University, School of Engineering, Civil and Environmental Engineering, Amerika Birleşik Devletleri 2016 - 2017

Doktora, Carnegie Mellon University, School of Engineering, Civil and Environmental Engineering, Amerika Birleşik Devletleri 2012 - 2016

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Environmental Engineering, Türkiye 2010 - 2012

Lisans, Anadolu Üniversitesi, İşletme Fakültesi, İşletme Bölümü, Türkiye 2006 - 2012

Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Environmental Engineering, Türkiye 2005 - 2010

Araştırma Alanları

Çevresel Etki Değerlendirmesi, Çevresel Modelleme, Çevresel Risk Değerlendirmesi, Çevre Sağlığı ve Güvenliği, Çevre Politikaları, Çevre Yönetimi, Hava Kirliliği ve Kontrolü

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Marmara Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2020 - Devam Ediyor

Araştırma Görevlisi Dr., Düzce Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2017 - 2020

Araştırma Görevlisi, Carnegie Mellon University, CIT, Civil and Environmental Engineering, 2012 - 2016

Araştırma Görevlisi, İstanbul Teknik Üniversitesi, 2012 - 2012

Verdiği Dersler

Numerical Methods, Lisans, 2020 - 2021
Special Topics in Environmental Engineering II, Lisans, 2020 - 2021
Engineering Project II, Lisans, 2020 - 2021
Environmental Engineering Ecology, Lisans, 2019 - 2020
Engineering Project I, Lisans, 2019 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **The impacts of COVID-19 lockdown on PM10 and SO2 concentrations and association with human mobility across Turkey**
Orak N. H. , Ozdemir O.
Environmental Research, cilt.21, ss.1-7, 2021 (SCI Expanded İndekslerine Giren Dergi)
- II. **Identifying and Quantifying Source Contributions of Air Quality Contaminants during Unconventional Shale Gas Extraction**
Orak N. H. , Reeder M., Pekney N. J.
Atmospheric Chemistry And Physics, cilt.21, ss.1-7, 2021 (SCI Expanded İndekslerine Giren Dergi)
- III. **Air pollution risk associated with unconventional shale gas development**
Orak N. H. , Pekney N. J.
CARBON MANAGEMENT, cilt.11, sa.6, ss.645-651, 2020 (SCI İndekslerine Giren Dergi)
- IV. **A Hybrid Bayesian Network Framework for Risk Assessment of Arsenic Exposure and Adverse Reproductive Outcomes**
Orak N. H.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, cilt.192, 2020 (SCI İndekslerine Giren Dergi)
- V. **Effect of disinfection processes and anthropogenic pollutants on comparative formation of trihalomethanes and N-nitrosodimethylamine**
Orak N. H. , Ozsenturk T., Topuz E., Aydın E., Gürel M., Genceli E. A. , Pehlivanoğlu Mantaş E.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, cilt.16, sa.8, ss.4083-4090, 2019 (SCI İndekslerine Giren Dergi)
- VI. **Bayesian network-based framework for exposure-response study design and interpretation**
Orak N. H. , Small M. J. , Druzdzel M. J.
ENVIRONMENTAL HEALTH, cilt.18, 2019 (SCI İndekslerine Giren Dergi)
- VII. **Implications of a statistical occurrence model for mixture toxicity estimation**
Orak N. H. , Small M. J.
HUMAN AND ECOLOGICAL RISK ASSESSMENT, cilt.23, sa.3, ss.534-549, 2017 (SCI İndekslerine Giren Dergi)
- VIII. **VISIBLE AND UV-A LIGHT-INDUCED PHOTOCATALYSIS OF FORMIC AND OXALIC ACIDS WITH S-DOPED, Fe-LOADED TITANIA**
Ölmez Hancı T., Orak N. H. , Tetik A., Kabdaşlı N. I. , Ohno T., Arslan-Alaton I., Tunay O.
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.23, ss.3366-3373, 2014 (SCI İndekslerine Giren Dergi)

Kitap & Kitap Bölümleri

- I. **Yaşam Döngüsü Değerlendirmesi: Önemli kararlar için nicel yaklaşımlar**
Orak N. H.
Akademisyen , Ankara, 2020

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. A Novel Method for Environmental Risk Assessment: A Case Study of Coarse Particulate Matter and Infant Birth Weight

Orak N. H.

World Environmental and Water Resources Congress, 7 - 11 Haziran 2021, ss.666-674

Kongre ve Sempozyum Katılımı Faaliyetleri

World Environmental & Water Resources Congress, Davetli Konuşmacı, Nevada, Amerika Birleşik Devletleri, 2021

Atıflar

Toplam Atıf Sayısı (WOS):7

h-indeksi (WOS):2

Ödüller

Orak N. H. , Young Professional Best Paper Award for the Industrial, Government, and Public Services Group, The Air & Waste Management Association'S 110Th Annual Conference & Exhibition , Haziran 2017

Orak N. H. , Graduate Student Best Technical Paper Award, The American Society Of Civil Engineers-World Environmental & Water Resources Congress, Mayıs 2016