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Education Information

Doctorate, Selçuk Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (Dr), Turkey 2005 - 2012

Post Graduate, Selçuk Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (YI) (Tezli), Turkey 2002 - 2005

Under Graduate, Selçuk Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1998 - 2002

Associate Degree, Selçuk Üniversitesi, Tbmmyo, Bilgisayar Programcılığı, Turkey 1995 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bazı ağır metallerin topraktaki taşınımının belirlenmesine yönelik modelleme çalışması, Selçuk Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (Dr), 2012

Post Graduate, Konya ve çevresinde bulunan su kaynaklarındaki doğal radyasyonun incelenmesi, Selçuk Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (YI) (Tezli), 2005

Research Areas

Environmental Engineering, Environmental Sciences, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2013 - Continues

Research Assistant, Selçuk Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2002 - 2013

Professional Experience

Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2016 - Continues

Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, 2016 - 2016

Deputy Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2013 - 2016

Courses

Doğal arıtım Yöntemleri, Post Graduate, 2016 - 2017
Atıksu Uzaklaştırma ve Projesi, Under Graduate, 2016 - 2017
Akışkanlar Mekaniği, Under Graduate, 2016 - 2017
Su Temini ve Projesi, Under Graduate, 2016 - 2017
Su Kayıplarının Azaltılması, Etkin Teknik ve Uygulamalar, Post Graduate, 2016 - 2017
Bilgisayar Programlama, Under Graduate, 2016 - 2017
Hidrolik, Under Graduate, 2016 - 2017

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

- I. **Assessment of groundwater quality for drinking and irrigation purposes in Karabuk province, Turkey**
ESMERAY E., Gökçekli C.
Environmental Earth Sciences, vol.79, 2020 (Journal Indexed in SCI Expanded)
- II. **Utilization of sewage sludge, oven slag and fly ash in clay brick production**
Esmeray E., Ats M.
CONSTRUCTION AND BUILDING MATERIALS, vol.194, pp.110-121, 2019 (Journal Indexed in SCI)
- III. **An investigation on natural radioactivity from mining industry**
ESMERAY E., AYDIN M. E.
African Journal Of Biotechnology, vol.10, pp.4313-4317, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **KARABÜK ÜNİVERSİTESİ KAMPÜS ATIKSULARININ "PHRAGMITES AUSTRALIS" VE "ALOE VERA" BİTKİLERİ İLE YAPAY SULAK ALANLARDA ARITIMI**
ESMERAY E., ARMUTCU Ö.
Konya Journal of Engineering Sciences, vol.8, pp.404-417, 2020 (Other Refereed National Journals)
- II. **Mikroplastikler, Çevre Ve İnsan Sağlığı Üzerine Etkileri Ve Analiz Yöntemleri**
ESMERAY E., ARMUTCU C.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, pp.839-868, 2020 (Other Refereed National Journals)
- III. **Nanopartiküllerin Çevre Mühendisliğinde Kullanımı ve Temel Laboratuvar Malzemeleri ile Gümüş Nanopartikül (AgNPs) Sentezi**
ESMERAY E., ÖZATA O.
Avrupa Bilim ve Teknoloji Dergisi, vol.9, pp.521-527, 2019 (Other Refereed National Journals)
- IV. **MOBILE APPLICATION PROJECT FOR SHARING INSTANTANEOUS&LOCATION BASED PHOTOGRAPHS FOR MAKING ENVIRONMENTAL MONITORING MORE EFFECTIVE IN TURKEY**
ESMERAY E., Savas S.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.8, pp.723-730, 2018 (Journal Indexed in ESCI)
- V. **Optimization of Struvite Precipitation for Landfill Leachate Treatment**
DOĞAN S., AYGÜN A., ARGUN M. E. , ESMERAY E.
Uludağ University Journal of The Faculty of Engineering, vol.23, pp.65-76, 2018 (Refereed Journals of Other Institutions)
- VI. **THE EFFECTS OF CHEMICAL CLEANING APPLICATIONS ON THE USEFUL LIFE OF POLYAMIDE MEMBRANES IN REVERSE OSMOSIS SYSTEMS**
ESMERAY E., YILMAZ M.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.7, pp.697-702, 2017 (Journal Indexed in ESCI)
- VII. **Comparison Of Natural Radioactivity Removal Methods For Drinking Water Supplies A Review**

Esmeray E., Aydın M. E.

Journal of International Environmental Application and Science, vol.3, pp.142-146, 2008 (Refereed Journals of Other Institutions)

VIII. Air Pollution Computer Model Program Development

ESMERAY E., ÖZDEMİR C., DURSUN Ş.

Journal of International Environmental Application and Science, vol.1, pp.73-79, 2006 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Doğal Afetler, Çevresel Etkileri ve Alınabilecek Önlemler**
ESMERAY E., ÇANKAYA Ş.
International Science and Engineering Application 2019, Karabük, Turkey, 25 - 27 September 2019, pp.387-394
- II. **MOBILE APPLICATION PROJECT FOR SHARING INSTANTANEOUS& LOCATION BASED PHOTOGRAPHS FOR MAKING ENVIRONMENTAL MONITORING MORE EFFECTIVE IN TURKEY**
SAVAŞ S., ESIMERAY E.
International Symposium for Environmental Science and Engineering Research (ISESER), Konya, Turkey, 11 May 2018 - 12 May 2008, vol.1, pp.49
- III. **Iron-Steel Industrial Waste Water Characteristics And Wastewater Treatment Methods**
ESMERAY E., ÇANKAYA Ş., BİLGİÇ Z. A.
7th International Conference of Ecosystems Tirana, Albania, June 2017, 2 - 05 June 2017
- IV. **Water Demand Management Practices And Improvement Recommendations For Turkey: A Review**
ESMERAY E., KARÇIĞA S.
7th International Conference of Ecosystems Tirana, Albania, June 2017, 2 - 05 June 2017
- V. **The Effects Of Chemical Cleaning Applications On The Useful Life Of Polyamide Membranes In Reverse Osmosis Systems**
YILMAZ M., ESIMERAY E.
7th International Conference of Ecosystems Tirana, Albania, June 2017, Tirane, Albania, 2 - 05 June 2017
- VI. **Air quality and online entegratgion of meteorological models Example of Turkey**
CANSU ÇAVUŞ P., TOROS H., İNCECİK S., DENİZ A., ARSLAN M., DURSUN Ş., ÖZTÜRK A. İ. , ESIMERAY E.
VII. Atmospheric Science Symposium, İstanbul, Turkey, 28 - 30 April 2015, vol.1, pp.324-334
- VII. **Optimization of Struvite Precipitation as Landfill Leachate Pretreatments by using RSM**
ARGUN M. E. , SAĞLAM H., DOĞAN S., AYGÜN A., ESIMERAY E.
7th International Conference environmental engineering and management, ICEEM'07, Vienna, Austria, Viyana, Austria, 18 - 21 September 2013
- VIII. **QR code Applications for Environmental Engineering Laboratories**
ESMERAY E.
3rd International Conference of Ecosystems (ICE2013), May 31-June 5, 2013, Albania, 31 May - 05 June 2013, vol.1, pp.133
- IX. **Measurement and Analysis of IAQ(Indoor Air Quality) in the Students' Dormitories**
DURSUN Ş., ESIMERAY E., AZMAN Ş.
International Confernece of Ecosystem (ICE'2012), Albania, 1 - 06 June 2012, vol.1, pp.115-116
- X. **Transportation Modelling Investigation of Some Soil Pollution Parameters in Soil**
ESMERAY E., AYDIN M. E.
International Conference on Ecosystems (ICE) June 4-6, Tirana, Albania, Tirane, Albania, 4 - 06 June 2011, vol.1, pp.261-265
- XI. **Perchlorate ClO₄ Sources in Drinking Water and Treatment Methods**
ESMERAY E., AYDIN M. E.
International Sustainable Water and Wastewater Management Symposium, 26-28 October 2010 – Konya/Turkey, Konya, Turkey, 26 - 28 October 2010, vol.1, pp.361-369

- XII. **The Factors Affected on the Engineering Ability A Survey on Environmental Engineering Students**
ARGUN M. E. , KARATAŞ M., DOĞAN S., DURSUN Ş., ESMERAY E.
International Symposium on Engineering and Architectural Sciences of Balkan, Caucasus and Turkic Republics,
Isparta, Turkey, 22 - 24 October 2009, vol.1, pp.175-185
- XIII. **EFFECT ON GLOBAL WARMING ON LAKE MEKE**
ESMERAY E.
International Conference on Lake and Nutrient Loads, Pogradec, Albania, 24 - 26 April 2009, vol.1, pp.79
- XIV. **BAZI TOPRAK KİRLETİCİLERİNİN TOPRAKTAKİ TAŞINIMLARINA DAİR MODELLERİN İNCELENMESİ**
ESMERAY E., AYDIN M. E.
Black-Sea International Environmental Symposium, August 25-29, 2008-Giresun/Turkey, Giresun, Turkey, 25 - 29
August 2008, vol.1, pp.175
- XV. **TOPRAK KİRLETİCİLERİNİN TAŞINIMINA TOPRAK ÖZELLİKLERİNİN ETKİLERİNİN İNCELENMESİ**
ESMERAY E., AYDIN M. E.
Black-Sea International Environmental Symposium, August 25-29, 2008-Giresun/Turkey, Giresun, Turkey, 25 - 29
August 2008, vol.1, pp.176
- XVI. **Pestistilerin Çevresel Etkisi**
ESMERAY E., AYDIN M. E.
BIES'08-Karadeniz Uluslararası Çevre Sempozyumu (Blacksea International Environmental Symposium), Giresun,
Turkey, 25 - 29 August 2008, vol.3, pp.562-567
- XVII. **BULANIK MANTIK (FUZZY-LOGIC) ÇEVRE MÜHENDİSLİĞİ UYGULAMALARI**
ESMERAY E., KUNT F.
BIES'08-Karadeniz Uluslararası Çevre Sempozyumu (Blacksea International Environmental Symposium), Giresun,
Turkey, 25 - 29 August 2008, vol.3, pp.555-561
- XVIII. **Ağır Metallerin Çevresel Etkisi**
ESMERAY E., KARATAŞ M., KUNT F.
BIES'08-Karadeniz Uluslararası Çevre Sempozyumu (Blacksea International Environmental Symposium), Giresun,
Turkey, 25 - 29 August 2008, vol.3, pp.549-554
- XIX. **Comparison Of Natural Radioactivity Removal Methods For Drinking Water Supplies**
ESMERAY E., AYDIN M. E.
VII-th International Scientific Conference. Modern Management of Mine Producing, Geology and Environmental
Protection SGEM , Albena-Bulgaristan, Bulgaria, 11 June 2007, vol.1, pp.145
- XX. **A new program development for noise pollution**
ESMERAY E., ÖZDEMİR C., DURSUN Ş.
International Conference on Environment: Survival and Sustainability, 19-24 February, Near East University,
Nicosia-Northern Cyprus, Cyprus (Kkctc), 19 - 24 February 2007
- XXI. **An Investigation Natural Radioactivity From Mining Industry**
ESMERAY E., AYDIN M. E.
VIth International Scientific Conference, Modern Management of Mine Producing Ecology and Environmental
Protection SGEM-2006, Albena-Bulgaristan, Bulgaria, 12 June 2006, vol.1, pp.413-420
- XXII. **Green Remediation Of Heavy Metal Contaminated Soil Progress Problems And Suggestions**
Gür K., ESMERAY E., Uyanoz R., ŞEKER C., ZENGİN M.
18th International Soil Meeting (ISM) on `Soils Sustaining Life on Earth (Managing Soil and Technology), Sanliurfa,
Turkey, Şanlıurfa, Turkey, 22 - 26 May 2006, vol.1, pp.177-183
- XXIII. **Effect of The Başarakavak Konya Municipal Sewage Sludge on The Heavy Metal Contents in A Clay
Soil A Case Study**
Küçükhemek M., Gür K., Uyanoz R., ESMERAY E.
18th International Soil Meeting (ISM) on `Soils Sustaining Life on Earth (Managing Soil and Technology), Şanlıurfa,
Turkey, 22 - 26 May 2006, vol.1, pp.135-141
- XXIV. **Computer Modelling Programme For Air Pollution Problems And Their Solutions**
ESMERAY E., ÖZDEMİR C., DURSUN Ş.
13th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region,

Supported Projects

ESMERAY E., Project Supported by Higher Education Institutions, Karabük Safranbolu İlçesi Gürültü Kirliliğinin Değerlendirilmesi ve Haritalanması, 2017 - 2018

ESMERAY E., Project Supported by Higher Education Institutions, Karabük ve Çevresindeki Yeraltı Sularının İçme Suyu ve Sulama Suyu Açısından Kullanılabilirliğinin İncelenmesi, 2017 - 2018

ESMERAY E., Project Supported by Higher Education Institutions, THE EFFECTS OF CHEMICAL CLEANING APPLICATIONS ON THE USEFUL LIFE OF POLYAMIDE MEMBRANES IN REVERSE OSMOSIS SYSTEMS, 2017 - 2017

Citations

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