Assistant Professor Dr. Hasan Volkan Oral, MSc, PhD



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Work Address: İstanbul Aydın University, Department of Civil Engineering (English), Faculty of Engineering & EPPAM, Florya, İstanbul, TURKEY (Full Time Researcher)

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Researchgate: <http://www.researchgate.net/profile/Hasan_volkan_Oral>

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Keywords: Renewable Energy Management, Environmental Sciences, Circular Economy, Circularity, Nature Based Solutions, Green Buildings, Environmental Sustainable Development Applications, Geographical Information Systems, Remote Sensing Applications, Energy Policy, , Environmental Management Systems, Carbon Management, Low Carbon Economy Applications in Environmental Sciences, Agricultural Engineering, SEVESO Directive Implications, Disaster Management

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**Education**

**Postdoctoral Study**⎯ October 2011- September 2012

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| Wyler Department of Dryland Agriculture |
| Jacob Blaustein Institutes for Desert Research |
| Ben-Gurion University of the Negev |
| SedeBoqer Campus, 84990, **Israel** |

**PhD**⎯*October 2002 –May2010*

Boğaziçi University, Institute of Environmental Sciences, Istanbul, **Turkey**

Dissertation title:***Impacts of land use change on soil respiration and elemental carbon in the forests of Karasu District***

Advisor: Prof. Dr. Turgut T. ONAY; Co-advisor: Prof. Dr. OrhanYenigün

**MSc**⎯*October 2000 – July 2002*

Boğaziçi University, Institute of Environmental Sciences, Istanbul, **Turkey**

M.S. thesis title: ***Land use change analysis of Erdemli-KızKalesi region using GIS methodology***

**BSc**⎯*October 1995 – July 1999*

Cukurova University, Dept. of Plant Protection, Adana, **Turkey**

B.S Thesis Title: *Determination the effect of Natural Foliar Fertiliser (NUTRIFOL) on cotton pests White Flies (Bemisia tabaci)*

**Experience**

**Full Time Faculty Member – Istanbul Aydın University/EPPAM & Faculty of Engineering, Department of Civil Engineering (English): January 2016-Present**

**Part Time Instructor- İstanbul Bilgi University, Faculty of Health Management, Dolapdere Campus, İstanbul : February 2017 - 2019**

**Senior Project Manager of SEVESO Implications, MSDS CLP-REACH Regulations:** September 2015- January 2016

Ulus Engineering, Environmental Consulting- İstanbul

**Environmental Safety Management Department Head -** February 2015 – September 2015

Doruk Chemical Management Systems - İstanbul

**Environmental Management Projects Coordinator and Supervisor –** June 2014- October 2014

Dokay Engineering- Ankara

**Carbon Markets and Environmental Management Supervisor**⎯ November 2012- April 2014

Polat Energy (Joint venture of EDF EnergieNouvel PSP Investments)- Istanbul

**Postdoctoral researcher** ⎯*October 2011 – September 2012*

Ben Gurion University, Jacob Blaustein Desert Research Institute, **ISRAEL**

c\o Jhonathan Ephrath, PhD & Shimon Rachmilevich, PhD

**Visiting Guest Scholar Researcher**⎯*2005 – 2008*

Kumamoto University, Department of Civil and Environmental Engineering, **JAPAN**

c\o Katsuaki Koike, PhD

**Graduate Research and Teaching Assistant**⎯*December 2001- August 2011,* **TURKEY**

“Minamata Mercury Disease” in ESC301 Environmental Dimension and “Carbon Cycle and interactions with Climate Change” in ESC 375 Global Climate Change lecture series taught at the Institute of Environmental Sciences of Bogazici University; technical sessions of the “Environmental Geographical Information Systems” course taught at Institute of Environmental Sciences of Bogazici University.

**Given Undergraduate Courses at İstanbul Bilgi University**

**Research Methods in Biostatistics –** Faculty Elective Course offered for Faculty of Health Sciences – Since 2018 Fall

**Some of the Given Undergraduate and Graduate Courses at Istanbul Aydın University**

**Fundamentals of Sustainable Development** – University Elective Course offered for Faculty of Engineering and Faculty of Business Administration Undergraduate Students – Since 2016

**Sustainable Building Design and Energy Management-** Graduate Course offered for Civil Engineering Students – Since 2018 Spring

**Supervised Master of Science Thesis Studies**

**Ahmed Ehsan Kakar - İstanbul Aydın University, Inst. of Graduation Sciences (MSc)**

**Investigating and Recommending the Feasible Industrial Sustainable Development Strategies for Herat Province of Afghanistan**

**Jury Member of the Master of Science Defense and Doctorate Thesis Committees**

1. **Görkem Özçelik – 18 Mart University, Inst. of Science and Technology (MSc)**

**“Çanakkale Onsekiz Mart Üniversitesi Terzioğlu Kampüsü'nün Enerji ve Karbon Ayak İzi Açisindan Değerlendirilmesi” (Evaluation of the Terzioğlu Campus of Çanakkale Onsekiz Mart University in terms of Energy and Carbon Footprint)**

1. **Nuri Gençay Genç – İstanbul Technical University-, Inst. of Science and Technology (MSc)**

**“Afet lojistiği kapsamında Bayrampaşa ilçesi analizi” (Bayrampaşa district analysis within the scope of disaster logistics)**

1. **Damla Konak - İstanbul Aydın University, Inst. of Science and Technology (MSc)**

**Deprem Riski Nedeniyle Yenilenen Konut Türü Yapıların Kentsel ve Çevresel Sürdürülebilirlik Bağlamında Enerji Verimliliği Açısından İrdelenmesi (Investigation of Residential Buildings Renovated for Earthquake Risk in terms of Energy Efficiency in the Context of Urban and Environmental Sustainability)**

1. **Edanur Çiftçi - İstanbul Aydın University, Inst. of Science and Technology (MSc)**

**Kentsel ve Çevresel Sürdürülebilirlik Bağlamında Yüksek Yapıların Enerji Verimliliği Açısından İncelenmesi (Investigation of High Structures in terms of Energy Efficiency in the Context of Urban and Environmental Sustainability)**

1. **Ezgi Yılmaz - İstanbul Aydın University, Inst. of Science and Technology (MSc)**

**Türkiye’de Yeşil Bina Sertifikasyon Sisteminin Ekolojik Sürdürülebilirlik Açısından Değerlendirilmesi**

**(Evaluation of Ecological Sustainability Perspective of the Green Building Certification System in Turkey)**

1. **Anıl Eken – Bogazici University Inst. of Environmental Sciences (MSc)**

**Flood Disaster Management System**

1. **Tufan Öztürk – İstanbul Aydın University, Inst. of Science and Technology (PhD)**

**İş Kazalarına Etki Eden Faktörlerin Çok Değişkenli İstatiksel Yöntemlerle Değerlendirilmesi (Evaluation of Factors Affecting Occupational Accidents by Multivariate Statistical Methods)**

**Projects**

**Istanbul Aydın University Board of Trustees Funded Research Projects (2020- present)**

**Project 1:**

Life Cycle Analysis of Electric Vehicles and Environmental Impacts and Emissions Research: Circular Economy - An Analysis through the Perspectives of the Paris Agreement (COP21)

Position: Principal Researcher

**Project 2:** Digital Based Integrated Smart City Project

Position: Principal Researcher

**COST Projects - MC Member and WG Leader**

**Implementing nature based solutions for creating a resourceful circular city**  - CA17133

**European Network for Environmental Citizenship (ENEC)** – CA 16229

**REthinking Sustainability TOwards a Regenerative Economy** – CA 16114

**PERIAMAR** (PEsticide RIsk AssessMent for Amphibians and Reptiles) – CA 18221

* Israel Ministry of Agriculture Project “Monitoring the host parasite relations between Orobanche sp. (Broomrape) and Tomato plants” (*2011 – 2012*)

Supported By: Israel Ministry of Agriculture

Project Directors: Jonathan Ephrath, PhD and Shimon Rachmilevitch, PhD

Position: Researcher

*Responsible for conducting physiological experiments and associating the remote sensing analyses.*

* COST Project “Greenhouse-gas budget of soils under changing climate and land use (Burnout) -- COST 639” – An Intergovernmental Scientific Network Project (*2006 -2011*)

Supported By: European Union COST office and TUBITAK (National Scientific and Technical Council of Turkey”

Project Director: Turgut T. ONAY, PhD

Position: Researcher

*Participated as the GIS & Remote Sensing Specialist and soil respiration measurement expert*

*I conducted in situ soil respiration measurements, soil physico-chemical experiments and performed GIS & Remote Sensing analyses.*

Conclusions: Conversion from forest to agricultural production areawas investigated as one of the significant types of land use in Northern Part of Turkey, Karasu Region. The in situ soil carbon dioxide respiration measurements and laboratory analysis were indicated that forested area emits to the atmosphere more carbon dioxide than the deforested area.

* “Flood Disaster Assessment of Turkey using Geographical Information Systems” – Joint project with Kumamoto University - Japan - Faculty of Engineering (*2004-2005*)

Supported by Boğaziçi University Research Fund

Project Director: OrhanYenigün, Ph.D.

Position: Researcher

*Participated as the GIS & Remote Sensing Specialist*

*I applied GIS & Remote Sensing analyses to obtain inundation maps.*

Conclusions: The flood disaster assessment in Japan was investigated in the project. The benefits and outcomes were proposed to apply in Silifke Region of Turkey where is suffering severe flooding. A new GIS based flood disaster assessment strategy has been offered to launch in Silifke Region.

* “Olive Oil Mill Wastewater Using Land Treatment Systems”, International Joint Project- Turkey & Greece (*2001-2006*)

Supported by: TUBITAK ( Turkish Scientific and Technical Research Council) & GSRT (Greece General Secretariat for Research and Technology)

Project Director: Turgut T. Onay, PhD

Position: Researcher

*Responsible for preparing a questionnaire to be asked the Olive Oil producers in Turkey and associating slow rate wastewater management experiments.*

Conclusions: The comparison between Turkey and Greece at the field of land treatment systems were conducted in the study. The new type of land treatment system has been proposed to apply in olive oil mills in Turkey.

**Previous Projects at Private Sector**

* Carbon Management Applications at Polat Energy WEPPs.

Position: Supervisor

* Environmental Management System Applications at Polat Energy WEPPs

Position: Supervisor

**ATTENDED CONFERENCES as INVITED SPEAKERS**

**EGU 2021 General Assembly**

**Presentation Title: A review of the potential of nature-based solutions (NBS) to address the challenges of the water-energy-food nexus (WEF Nexus) in the coming decades**

**Authors:** Carvalho, P, Finger, D.Ch, Masi,F, Cipoletta, G; **Oral,H.V,** Töth,A., Regelsberger, M; Exposito,A

**GLS SDGs Kick of Talks at ITS Surabaya, Indonesia- 02.03. 2021**

**Presentation Title: The Importance of NBS relevat to SDGs: Basics, Implementation and Action Plans**

**Authors: H.V.Oral &** H.Saygin

**INNOQUA Virtual Conferences**

**Nature-Based Wastewater Treatment in Southeastern Europe & Turkey -03.11.2020**

**Presentation Title: Opportunities for Integration of Decentralised Nature-Based Solutions into Urban Infrastructure**

**Authors: H.V.Oral**

**Publications**

**Book Chapters**

***The Palgrave Encyclopedia of Global Security Studies (Palgrave McMillan Publications) (published in 2020)***

**Chapter: Sustainable Development**

***Author: Oral,H.V***

**Chapter: Deforestation**

***Author: Oral,H.V***

***Environment and Development (CRC Press- Taylor and Francis Group) (published in 2021)***

***Chapter: Presenting the challenges and offering new strategies to organisations to launch environmental sustainability***

***Authors: Oral,H.V;*** *Saygin;H.*

***The Palgrave Handbook of Climate Resilient Societies (Palgrave McMillan Publications - Accepted)***

***Chapter: The role of energy at climate-resilient societies***

***Authors: Oral,H.V;*** *Saygin;H.*

***Recommendations for promoting Environmental Education through Nature-based solutions at Turkish Higher Education Institutes (Springer Nature – Accepted)***

***Authors : Oral,H.V***

**Forthcoming Book Chapters**

***Smart Grids (Palgrave McMillan Publications- in preparation)***

***Authors: Oral,H.V;*** *Saygin;H. Colmenares,F; P, J.A.M.*

***A Novel Method suggestion for the achievement of environmental citizenship behavior in the Digitizing World (Routledge Publications – in preparation)***

***Authors :*** *Oral, S.S****;*** *Direksiz, G.N;****Oral,H.V****; Aydin,S****;*** *Saygin;H.*

**Forthcoming SCI Publications**

Management of urban waters with Nature-Based Solutions in circular cities **(*in preparation)***

**Authors: Oral,H.V et al.**

A review of nature-based solution (NBS) for managing rainfall run-off water and its impact on reused water quality **(*in preparation)***

**Authors:** Carvalho,P; **Oral,H.V,**  P, Finger, D.Ch.

Circularity Performance Indicators from a Multi-Sectoral Systems Approach **(*in preparation)***

**Authors:** Nika C.E., Kisser J., Bertino G., Bacher E., **Oral H.V**, Dehganian K, Katsou E.

Investigating the factors affecting on accident severity on constructional area with Logistic Regression Analysis **(*in preparation)***

**Authors:** Öztürk,T; **Oral,H.V;** Eren;Öx; Saygin,H.

Evaluating Environmental Citizenship Attitude and Behaviour by Examining the Transition from High School to University **(*in preparation)***

**Authors:** **Oral,H.V;** Kara,H.A;Cermik, E**;** Eren;Öx; Erses-Yay, A.S; Saygin,H.

**Publications in SCI & SSCI Referred Journals**

Theoretical concepts and implementations of nature-based solutions to address the water-energy-food nexus towards sustainable urban environments **(Under Revision)**

**Authors:** Carvalho, P, Finger, D.Ch, Masi,F, Cipoletta, G; **Oral,H.V,** Töth,A., Regelsberger, M; Exposito,A

The Feasible Industrial Sustainable Development Strategies for the Herat Province of Afghanistan

**Authors**: **Oral,H.V** ,Kakar,A.E, Saygin,H **(Accepted for Publication at Technology in Society by Elsevier)**

Environmental citizenship perception and behavior among university engineering students in the Marmara Region of Turkey (2020) https://doi.org/10.1007/s10668-020-00736-8

**Authors: Oral,H.V;** Eren.Ö; Erses-Yay, A.S; Saygin,H (Environment, Development and Sustainability)

Environmental Assessment of Renewable Energy Scenarios for a Sustainable Future in Turkey  **(2019) https://doi.org/10.1177/0958305X19855992**

**Authors:** Saygin,H; **Oral,H.V**; Kardaslar,S **(Energy & Environment)**

Simulating the Greenhouse Gas Emissions of Turkish Cement Industry Up to 2030 in a Global Context. **(2019)**. https://doi.org/10.1007/s11027-019-09855-8.

**Authors:** **Oral,H.V** ;Saygin,H (Mitigation Adapt Strategies Glob. Change)

Olive Oil Mill Wastewater Management in Turkey: A Questionnaire and Experimental Approach,

**Authors:** Erses A.S., **Oral H.V**., Onay T.T., Yenigün O (**Resources, Conservation and Recycling 60 (2012), 64– 71**).

Temporal Variations of Root biomass of Carbon (C) and Nitrogen (N) in roots under various tree species

**Authors:** Akburak,S., **Oral H.V**.,Ozdemir,E., Makineci,E **(Scandinavian Journal of Forest Research- DOI:10.1080/02827581.2012.679680).**

Carbon and nitrogen accumulation in forest floor and surface soil under different geographic origins of Maritime pine (PinuspinasterAiton.) plantations-**Forest Systems (07/2013; 22(2):214-221. DOI: 10.5424/fs/2013222-03441**

Interactions of brassinosteroids and polyamines enhance copper stress tolerance in Raphanussativus,

**Authors:** Choudhary, S.P., Oral,H.V., Bhardwaj,R., Yu,Q-J., Phan Tran, L-S (**Journal of Experimental Botany)**

Land use change from forestry to agriculture in Karasu, Turkey: Impact on soil carbon and *in situ* respiration-

**Authors: Oral H.V**., Küçüker M.A., Güney M., Copty N., Onay T.T., Yenigün O. **(Journal of Environmental Management).**

Impact of deforestation on soil carbon stock and its spatial distribution in the Western Black Sea Region of Turkey-

**Authors:** Küçüker M.A., Güney M., **Oral H.V**.,Copty N., Onay T.T., Yenigün O**(Journal of Environmental Management, 2015).**

**Publications in other International Indexed Journals**

A Review of Nature Based Solutions for Urban Water Management in European Circular Cities: a critical assessment based on case studies and literature (2020) <https://doi.org/10.2166/bgs.2020.932>

**Authors**; **Oral.H.V;** Carvallo,N.P;  Gajewska, M; Ursino, M et al (Blue Green Systems)

**Conference Proceedings (International and National)**

Nature-Based Solutions for Global Environmental Challenges and SDG nexus research, **27.April, 2021**, EGU General Assembly 2021, Vienna, Austria

**Authors:** Carvallo,N.P; P, Finger, D.Ch; Masi,F, Cipoletta, G; **Oral,H.V,** Töth,A., Regelsberger, M; Exposito,A

Evaluation Of Occupational Safety And Environmental Measures Of The Leather Working Group (LWG) Protocol Targeting Sustainability In The Leather Industry, 6th International Congress On Occupational Safety And Health, 26.November,2020.

**Authors:** A.C,G**; Oral,H.V**

“Building Environmental Citizenship Awareness to Primary School First-Year Children through Digital Education Based Digital Games”, VIIth International Eurasian Educational Research (EJER) Congress, **10-13 September, 2020.** İstanbul

**Authors;** Direksiz,N.G;Oral,S.S;**Oral,H.V**;Yılmaz,S.,Bostan,L.,Kanburoğlu,Ö.,Saygın H

“The circular economy assessments in solid waste management projects of Istanbul” (Accepted Oral Proceeding). 5th EurAsia Waste Management Symposium. **26-28 October 2020.**İstanbul

**Author:** **Oral,H.V**

“Offering Turkish Green Building Certification System Instead of Using BREEAM and LEED”, 2nd Global Climate Change International Conference”, Istanbul Aydın University, **18 April 2018.** İstanbul

**Author:** Oral,H.V.,

“Air Pollution Emission Inventory and Distribution over Ankara and Surrounding Cities”, ATMOS-2015 Conference, Istanbul Technical University, 28-30 April 2015.

**Authors:** Oral,H.V., Toros H, Ozelkan E,Ulusoy,İ

“Use of GFP to determine the influence of competition on root dynamics,” ISRR 2012: “Roots to the Future,” June 26-29, 2012 Dundee, Scotland.

**Authors:** Ephrath,J ,Rewald,B, Oral, HV, Jiftah,B-A, Rachmilevitch,S

‘The Use of Geographical Information Systems in Catchment Hydrology Modeling: A Case Study from Göksu River with a Focus on Local Data Gathering and Harmonization Processes,” 1st International Conference on Sustainable Watershed Management, September 19-23, 2011, Istanbul, Turkey.

**Authors:** Oral,H.V., Koike K, Yenigün,O.

“Application of Geographic Information System for Assessments of Land Use Change in Karasu District of Turkey,” International Conference “100 Years of Bulgarian Soil Science” May 16-18, 2011, Sofia, Bulgaria.

**Authors:** Oral,H.V., Onay,T.T, Yenigün O

“Kriging-based estimation of the change in soil carbon stock in the coastal Black Sea region, Turkey,” EGU General Assembly, May 2010, Wien, Austria.

**Authors:** Oral H.V., Küçüker M.A., Güney M., Copty N., Onay T.T., Yenigün O

“The Impact of Land Use Change on Soil Carbon In Karasu Forest,” The International Land Use Workshop at Denizli Pamukkale University, September 13-20, 2009, Denizli, Turkey.

**Authors:** Oral H.V., Küçüker M.A., Güney M., Copty N., Onay T.T., Yenigün O

“In-situ Soil Carbon Dioxide Flux Measurement from Forest Floor in Karasu Forests in Western Black Sea Region of Turkey,” 12th IACMAG The 12th International Conference of International Association for Computer Methods and Advances in Geomechanics (IACMAG), October1-6, 2008 Goa, India.

**Authors:** Oral H.V., Küçüker M.A., Güney M., Copty N., Onay T.T., Yenigün O

“Remote Sensing and The Geographic Information Systems Based Olive Oil Mill Wastewater Management in Turkey,” 32nd ISRSE Remote Sensing on Environment, June20-30, 2007, Costa Rica, San Jose.

**Authors:** Erses A.S., Oral H.V., Onay T.T., Yenigün O

“Remote Sensing Technologies and Geographical Information Systems Based Flood Disaster Management of Turkey,” 32nd ISRSE Remote Sensing on Environment, June20-30, 2007, Costa Rica, San Jose.

**Authors:** Oral H.V., Yenigün O

“Treatment of Olive Oil Mill Wastewater by Slow-Rate System Using Reed and Alfalfa Plant Species,“ 7th International Symposium On Waste Management Problems In Agro-Industries September 27-29, 2006, Rethymno/Crete, Greece.

**Authors:** Erses A.S., Oral H.V., Onay T.T., Yenigün O

“Olive Oil Mill Waste Water Control By Slow-Rate Land Treatment Systems,” 10th International Conference on Wetland Systems for Water Pollution Control, September 23-29, 2006, Portugal.

**Authors:** Erses A.S., Oral H.V., Onay T.T., Yenigün O

“Geographic Information Systems Analysis for Flooding Disasters at Bartin-Silifke Watersheds,” DSI (State Water Agency of Turkey) 1st National Flooding Symposium, May10-12, 2006 Ankara, Turkey.

**Authors:** Oral,H.V, Koike K, Yenigün O

“Coastline change detection on the north coast of Istanbul,” Geological Remote Sensing Group, Conference of Mapping hazardous terrains using remote sensing, December 4-5, 2004, London, England.

**Authors:** Oral,H.V, Mater B, Yenigün O

“Olive Oil Industries in Turkey: A Survey Study,” International Conference on Water Economics, Statistics and Finance, IWA, July 8-10, 2005, Rethymno, Greece.

**Authors:**: Oral,H.V, Erses A.S, Onay,T.T

“Land use change analysis of Erdemli-Kız Kalesi region by using GIS methodology,” MEDCOAST Sixth International Conference on the Mediterranean Coastal Environment Conference, October 7-11, 2003, Italy.

**Authors:** Oral,H.V, Mater,B, Yenigün O

“A comparative Study in Treated Wastewater Reuse for the Mediterranean Countries,” International Water Association National Foundation For Agricultural Research, September 26-29, 2002, Iraklio, Greece.

**Authors:** Erses A.S., Oral H.V., Onay T.T., Yenigün O

# TR ULAKBIMx Indexed Journals (Turkish)

Kent Dokusu İçerisinde Hidroponik Sisteme (HS) Dayalı Kentsel Tarım Yapılabilecek Alanların Seçilmesinde Kullanılacak Kriterlerin Belirlenmesi: Maltepe Sahil Parkı Örneği (Determination of the Criteria to be Used in the Selection of Areas for Urban Farming Based on the Hydroponic System (HS) in the Urban Tissue: Example of Maltepe Seaside Park) **(2020)** Under Revision

**Author**: Oral,H.V

[Türkiye 'de İş Kazalari ve Makroekonomik Faktörlerin İlişkisi : Zaman Serisi Analizi](javascript:void(0))

Akademik Platform Mühendislik ve Fen Bilimleri Dergisi

**Authors**: Öztürk,T;Eren,Ö;**Oral,H.V**

Kent Ormanları Karbon Potansiyelinin Türkiye Gönüllü Karbon Kredi Piyasasına Entegre Edilmesinin Önemi (The Importance of Integrating the Urban Forest Carbon Potential to the Turkey Voluntary Carbon Credit Market) **(2020)**

Bartın Orman Fakültesi Dergisi. Doi: 10.24011/barofd.605243

**Author:** Oral,H.V

Yeni Bir Risk Değerlendirme Yöntemi ile Tersane İşletmelerinin Sınıflandırılması (Classification of Shipyard Facilities with A New Risk Assessment Method**) (2020)**

Business & Management Studies: An International Journal. http://dx.doi.org/10.15295/bmij.v8i1.1349

**Authors**: Caner,G.A; Eren,Ö; **Oral,H.V**; Heperkan,H.

Extreme value theory application on Airborne Particulate Matter (PM10) and Sulphur Dioxide (SO2) Pollution Detection in specified regions of İstanbul **(2019)**

Avrupa Bilim ve Teknoloji Dergisi, (14), 399-407. Retrieved from http://dergipark.gov.tr/ejosat/issue/40225/420317

X: The journal list that is defined as the "National Refereed Journal" for the applications for associate professorship.

# Reviewer and Editor of the SCI and other Indexed Journals

Discover Water

Circular Economy and Sustainability

Energy Efficiency

Applied Energy

Ecological Engineering

Science of the Total Environment

Forest Ecology and Management

Chemosphere

American Science Publications

Journal of Environmental & Analytical Toxicology

Environmental Earth Sciences

Journal of Environmental Management

Agricultural and Forest Meteorology

**Awards and Honors**

TÜBITAK Award for the SCI Publication- 2020

Istanbul Aydın University Research Fund SCI Publication, Book Chapter Award – 2020/7 , 2020/9, 2020/10, 2020/11

COST projects financial supports to attend the Statutory Meetings – CA17133/CA16122 (October 2018 – February 2019)

Financial support from **Israeli Ministry of Agriculture** entitled project “Monitoring the host parasite relations between Orobanche sp. (Broomrape) and Tomato plants` to continue postdoctoral study at Ben Gurion University, Jacob Blaustein Desert Research Institute *June 2012 – October 2012*.

Financial support from **Israeli Foreign Ministry Research Scholarship** to pursue a postdoctoral research study at Ben Gurion University, Jacob Blaustein Desert Research Institute, *October 2011 -June 2012*.

Financial support from **Boğaziçi University Foundation** to attend the International Environment Conference at Bishkek Kyrgyzstan, *May 18-24, 2009*.

Financial support from **Boğaziçi University Foundation** to attend 12th International Association for Computer Methods and Advances in Geomechanics (IACMAG) at Goa, India, *October 1-6, 2008*.

Financial support from **ISPRS (International Society for Photogrammetry and Remote Sensing)** to attend ISRSE 32nd International Conference on Remote Sensing of Environment at Costa Rica,*June 20-30, 2007*.

Financial support from **Boğaziçi University Foundation** to attend ISRSE 32nd International Conference on Remote Sensing of Environment at Costa Rica, *June 20-30, 2007.*

**TUBITAK** (The Scientific & Technological Council of Turkey) B-2214,“On Board Research Scholarship” for graduate research at Japan Kumamoto University, October 2006 – January 2007

**The Ousseimi Foundation** Scholarship grant for the duration of the CERG 2006 Course, Geneva, Switzerland, April- June 2006.

Financial support from **Boğaziçi University Foundation** to run the technical study of “Flood Disaster Assessment of Turkey by using Geographical Information Systems, ”a joint project with Japan Kumamoto University, July 11th – September 11th , 2005.

**TUBITAK** Scholarship for the “Olive Oil Mill Wastewater Using Land Treatment Systems ,”an international joint project between Turkey and Greece, Creta, Greece, September 2004.

Financial support from **Boğaziçi University Foundation** to attend MEDCOAST Sixth International Conference on the Mediterranean Coastal Environment Conference at Italy, October 7-11, 2003.

**Professional and Synergistic Activities**

* **COST CA 17133 Event Organizer,** Istanbul Aydın University, 06-09 March 2020
* **Organization Team** 2nd Global Climate Change International Conference”, Istanbul Aydın University, 18 April 2018
* **Attended to** ISRR 2012, “Roots to the Future,” June 26-29, 2012 Dundee, Scotland.
* **Attended to** 100 Years of Bulgarian Soil Science, May 16-18, 2011, Sofia, Bulgaria.
* **Attended to t**he International Land Use Workshop at Denizli, Pamukkale University, September 20-13,2009, Denizli, Turkey.
* **Attended to t**he International Environment Conference, May 18-24, 2009, Bishkek, Kyrgyzstan.
* **Attended to** 12th IACMAG Conference, October 1-6, 2008, Goa, India.
* **Attended to** 32nd ISRSE Remote Sensing on Environment, June 20-30,2007 Costa Rica, San Jose.
* **Attended to** DSI (State Water Agency of Turkey) 1st National Flooding Symposium, May 10-12, 2006 Ankara, Turkey.
* **Attended to Postgraduate Training Course in Study and Management of Geological Risks, CERG 2006, April 20 to June 20, 2006, Geneva, Switzerland.**
* **Attended to** AKUT (The Rescue-Search Association of Turkey) 1st International Disaster Symposium March 23-24, 2006 Istanbul, Turkey.
* **Attended to** international Conference on Water Economics, Statistics and Finance, IWA, July 8-10, 2005, Rethymno, Greece.
* **Attended to Geological** Remote Sensing Group, Conference of Mapping hazardous terrains using remote sensing, December 4-5, 2004, London, England.
* **Attended to** MEDCOAST Sixth International Conference on the Mediterranean Coastal Environment Conference, October 7-11, 2003, Italy.
* **Attended to** Oil Spills, Oil Pollution and Remediation, Third International Conference, September 16-18, 2003, Istanbul, Turkey.
* **Attended to** international Water Association National Foundation for Agricultural Research, September 26-29, 2002, Iraklio, Greece.

**Marital Status**

* Married with one child