Prof. ELÇİN KENTEL ERDOĞAN

Personal Information

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Education Information

Doctorate, Georgia Institute of Technology, Doctor Of Philosophy, United States Of America 2000 - 2006
Postgraduate, Drexel University, United States Of America 1994 - 1996
Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, Turkey 1989 - 1993

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Uncertainty Modeling in Health Risk Assessment and Groundwater Resources Management, Georgia Institute Of Technology, Doctor Of Philosophy, 2015

Research Areas

Surface Water Engineering, Hydrology, Water Resources Planning and Management, Optimization, Numerical Analysis

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2017 - Continues
Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2011 - 2017
Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2009 - 2011
Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2008 - 2009
Research Assistant, Georgia Institute of Technology, Engineering, Civil And Environmental, 2000 - 2006

Academic and Administrative Experience

Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2013 - 2015

Courses

Water Resources Engineering, Undergraduate, 2018 - 2019

Advising Theses

Kentel Erdoğan E., Rainwater harvesting system (RHS) and its applications on METU campus, Postgraduate, O.VELİ(Student), 2022

KENTEL ERDOĞAN E., Rainwater harvesting analysis for Northern Cyprus, Postgraduate, M.RUSO(Student), 2021

Kentel Erdoğan E., Akyürek S. Z., Simulation of streamflow using hydrologic modeling system HEC-HMS, Postgraduate, B.ERŞAHİN(Student), 2020

Kentel Erdoğan E., Developing optimum operation strategies for wind-hydro hybrid systems, Postgraduate, E.ERCAN(Student), 2020

Kentel Erdoğan E., FILLING OUT MISSING DAILY STREAMFLOW DATA USING FUZZY RULE-BASED MODELS, Postgraduate, Ö.BURAK(Student), 2020

Yücel İ., Kentel Erdoğan E., SENSITIVITY AND SEA SURFACE TEMPERATURE ANALYSES OF WRF MODEL FOR PREDICTING HEAVY RAINFALL EVENTS OBSERVED IN EASTERN BLACK SEA AND MEDITERRANEAN REGIONS OF TURKEY, Postgraduate, H.PİLATİN(Student), 2020

Kentel Erdoğan E., Askan Gündoğan A., Prediction of felt intensity from ground motion parameters using artificial neural network method, Postgraduate, S.İÇEL(Student), 2019

Kentel Erdoğan E., Operation strategies of pumped storage hydropower plants under electricity spot market: Case study of Uluabat hydropower plant, Postgraduate, A.TURAN(Student), 2019

Kentel Erdoğan E., Severcan Y. C., People's preferences towards wind farms at the coast of Mugla, Postgraduate, Y.BAHADIR(Student), 2018

Severcan Y. C., Kentel Erdoğan E., People's preferences towards wind farms at the coast of Muğla, Postgraduate, Y.Bahadır(Student), 2018

KENTEL ERDOĞAN E., ALP E., Sustainable water and stormwater management for Metu campus, Postgraduate, M.KİRAZ(Student), 2018

KENTEL ERDOĞAN E., Tsunami risk assesment and positioning of a tsunami early warning system, Doctorate, C.YAVUZ(Student), 2018

KENTEL ERDOĞAN E., Development of a GIS-based estimator for streamflow at ungaged catchments, Postgraduate, D.ÖCAL(Student), 2017

KENTEL ERDOĞAN E., SAVAŞANERİL TÜFEKCİ S., Rule curves for operating single- and multi-reservoir hydropower plants, Doctorate, M.AK(Student), 2017

KENTEL ERDOĞAN E., ALP E., Evaluation of the best management practices to control agricultural diffuse pollution in lake mogan watershed with swat model, Postgraduate, Z.ÖZCAN(Student), 2016

KENTEL ERDOĞAN E., Flood risk mapping using economic, environmental and sociadimensions, Postgraduate, M.Yeğin(Student), 2015

KENTEL ERDOĞAN E., AKSOY A., Evaluation of BTEX concentrations in selected industries producing and applying paint based on human health risks through inhalation /, Postgraduate, G.Naz(Student), 2014

YANMAZ A. M., KENTEL ERDOĞAN E., Uncertainty based analysis of seepage through earth-fill dams, Doctorate, M.ÇALAMAK(Student), 2014

KENTEL ERDOĞAN E., Renewable energy planning in Turkey with a focus on hydropower, Postgraduate, E.GÖK(Student), 2013

KENTEL ERDOĞAN E., Health risk assessment for the land application of biosolids in Ankara, Turkey: Ingestion pathway,

Postgraduate, E.KENDİR(Student), 2013

YANMAZ A. M., KENTEL ERDOĞAN E., Development of the rule curve for Altiparmak Hydroelectric Power plant, Postgraduate, Ş.ECE(Student), 2013

KENTEL ERDOĞAN E., Evaluation of Turkey's status using energy indicators for sustainable development and sustainability assessment of a hydropower project: A case study of Çetin Dam and HEPP, Postgraduate, B.VURAL(Student), 2013

KENTEL ERDOĞAN E., Evaluation of Turkey's status using energy indicators for sustainable development and sustainability assessment of a hydropower project : a case study of Çetin Dam and HEPP, Postgraduate, B.Vural(Student), 2013

KENTEL ERDOĞAN E., Balkusan Dam and HEPP: Investigation of better alternatives to EIEI formulation, Postgraduate, M.AKIN(Student), 2013

KENTEL ERDOĞAN E., Application of the map correlation method to the Western Blacksea basin, Postgraduate, M.KAYRA(Student), 2012

KENTEL ERDOĞAN E., YANMAZ A. M., Alternative feasibility studies for altiparmak dam and HEPP, Postgraduate, M.AK(Student), 2011

KENTEL ERDOĞAN E., Feasibility study of a hydropower project: Case study of Niksar HEPP, Turkey, Postgraduate, R.MUTLU(Student), 2010

KENTEL ERDOĞAN E., ALTINBİLEK D. H., Feasibility study of multiple hydropower project: case study of Baltacı stream, Trabzon, Turkey, Postgraduate, B.Ekin(Student), 2010

KENTEL ERDOĞAN E., A study on the reliabilite-based safety analysis of hardfill dams, Postgraduate, S.NUR(Student), 2010

KENTEL ERDOĞAN E., Feasibility study of multiple hydropower projects: Case study of Baltaci stream, Trabzon, Turkey, Postgraduate, B.EKİN(Student), 2010

KENTEL ERDOĞAN E., GIS-based site selection approach for wind and solar energy systems: A case study from western Turkey, Postgraduate, N.YONCA(Student), 2009

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Manisa Celal Bayar Üniversitesi, August, 2019

Associate Professor Exam, Associate Professor Exam, Muğla Sıtkı Koçman Üniversitesi, March, 2019

Designed Lessons

Kentel Erdoğan E., Soft Computing Methods for Water Resources Management, Postgraduate, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Improving precipitation estimates for Turkey with multimodel ensemble: a comparison of nonlinear artificial neural network method with linear methods**
Mesta B., AKGÜN Ö. B., KENTEL ERDOĞAN E.
Neural Computing and Applications, 2024 (SCI-Expanded)

II. **Development of a site selection methodology for run-of-river hydroelectric power plants within the water-energy-ecosystem nexus**
Temel P., Kentel Erdoğan E., Alp E.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.856, 2023 (SCI-Expanded)

III. **Changes in precipitation climatology for the Eastern Mediterranean using CORDEX RCMs, NHRCM and MRI-AGCM**
Mesta B., Sasaki H., Nakaegawa T., KENTEL ERDOĞAN E.

Atmospheric Research, vol.272, 2022 (SCI-Expanded)

IV. **Optimum daily operation of a wind-hydro hybrid system**
ERCAN E., KENTEL ERDOĞAN E.
Journal of Energy Storage, vol.50, 2022 (SCI-Expanded)

V. **Superensembles of raw and bias-adjusted regional climate models for Mediterranean region, Turkey**
Mesta B., KENTEL ERDOĞAN E.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.42, no.4, pp.2566-2585, 2022 (SCI-Expanded)

VI. **Alternative solutions for long missing streamflow data for sustainable water resources management**
Mesta B., AKGÜN Ö. B., KENTEL ERDOĞAN E.
INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT, vol.37, no.5, pp.882-905, 2021 (SCI-Expanded)

VII. **Tsunami risk assessment: economic, environmental and social dimensions**
YAVUZ C., KENTEL ERDOĞAN E., Aral M. M.
NATURAL HAZARDS, vol.104, no.2, pp.1413-1442, 2020 (SCI-Expanded)

VIII. **Climate Change Risk Evaluation of Tsunami Hazards in the Eastern Mediterranean Sea**
YAVUZ C., KENTEL ERDOĞAN E., Aral M. M.
WATER, vol.12, no.10, pp.1-18, 2020 (SCI-Expanded)

IX. **Municipal solid waste management with cost minimization and emission control objectives: A case study of Ankara**
Mohsenizadeh M., Tural M. K., Kentel E.
SUSTAINABLE CITIES AND SOCIETY, vol.52, 2020 (SCI-Expanded)

X. **Quantifying the revenue gain of operating a cascade hydropower plant system as a pumped-storage hydropower system**
Ak M., Kentel E., Savasaneril S.
RENEWABLE ENERGY, vol.139, pp.739-752, 2019 (SCI-Expanded)

XI. **Evaluation of the best management practices in a semi-arid region with high agricultural activity**
ÖZCAN Z., KENTEL ERDOĞAN E., ALP E.
AGRICULTURAL WATER MANAGEMENT, vol.194, pp.160-171, 2017 (SCI-Expanded)

XII. **Operating policies for energy generation and revenue management in single-reservoir hydropower systems**
Ak M., KENTEL ERDOĞAN E., SAVAŞANERİL TÜFEKCİ S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.78, pp.1253-1261, 2017 (SCI-Expanded)

XIII. **A pollution fate and transport model application in a semi-arid region: Is some number better than no number?**
ÖZCAN Z., Baskan O., Duzgun H. S., KENTEL ERDOĞAN E., ALP E.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.595, pp.425-440, 2017 (SCI-Expanded)

XIV. **Probabilistic evaluation of the effects of uncertainty in transient seepage parameters**
Calamak M., Melih Yanmaz A. M., Kentel E.
Journal of Geotechnical and Geoenvironmental Engineering, vol.143, no.9, 2017 (SCI-Expanded)

XV. **A fuzzy logic tool to evaluate low-head hydropower technologies at the outlet of wastewater treatment plants**
Ak M., KENTEL ERDOĞAN E., KÜÇÜKALİ S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.68, pp.727-737, 2017 (SCI-Expanded)

XVI. **Determination of unit nutrient loads for different land uses in wet periods through modelling and optimization for a semi-arid region**
ÖZCAN Z., KENTEL ERDOĞAN E., ALP E.
JOURNAL OF HYDROLOGY, vol.540, pp.40-49, 2016 (SCI-Expanded)

XVII. **An integrated map correlation method and multiple-source sites drainage-area ratio method for estimating streamflows at ungauged catchments: A case study of the Western Black Sea Region, Turkey**
Ergen K., KENTEL ERDOĞAN E.

JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.166, pp.309-320, 2016 (SCI-Expanded)

XVIII. **Evaluation of Heavy Metals and Associated Health Risks in a Metropolitan Wastewater Treatment Plant's Sludge for Its Land Application**

Kendir E., Kentel E., Sanin F. D.

HUMAN AND ECOLOGICAL RISK ASSESSMENT, vol.21, pp.1631-1643, 2015 (SCI-Expanded)

XIX. **Identification of the Best Booster Station Network for a Water Distribution System**

AYVAZ M. T., KENTEL ERDOĞAN E.

JOURNAL OF WATER RESOURCES PLANNING AND MANAGEMENT, vol.141, no.5, 2015 (SCI-Expanded)

XX. **A comparative study on energy income estimation: A case study in Turkey**

AK M., YANMAZ A. M., Kentel E.

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.38, pp.700-705, 2014 (SCI-Expanded)

XXI. **Regulatory Framework in Sludge Management: Examples from Around the World**

Sanin F. D., Filibeli A., Erdinçler A., Çokgör E., Kentel Erdoğan E., Ayol A., Alagoz A., Pehlivanoglu-Mantas E., Sener G., Saygili G.

JOURNAL OF RESIDUALS SCIENCE & TECHNOLOGY, vol.11, pp.49-54, 2014 (SCI-Expanded)

XXII. **Hydropower in Turkey: Economical, social and environmental aspects and legal challenges**

Kentel Erdoğan E., Alp E.

ENVIRONMENTAL SCIENCE & POLICY, vol.31, pp.34-43, 2013 (SCI-Expanded)

XXIII. **GIS-based site selection methodology for hybrid renewable energy systems: A case study from western Turkey**

Aydin N. Y., KENTEL ERDOĞAN E., Duzgun H. S.

ENERGY CONVERSION AND MANAGEMENT, vol.70, pp.90-106, 2013 (SCI-Expanded)

XXIV. **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)

XXV. **GIS-based environmental assessment of wind energy systems for spatial planning: A case study from Western Turkey**

Aydin N. Y., KENTEL ERDOĞAN E., Duzgun S.

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.14, no.1, pp.364-373, 2010 (SCI-Expanded)

XXVI. **Estimation of river flow by artificial neural networks and identification of input vectors susceptible to producing unreliable flow estimates**

KENTEL ERDOĞAN E.

JOURNAL OF HYDROLOGY, vol.375, pp.481-488, 2009 (SCI-Expanded)

XXVII. **Genetic algorithm for constrained optimization models and its application in groundwater resources management**

Guan J., Kentel E., Aral M. M.

JOURNAL OF WATER RESOURCES PLANNING AND MANAGEMENT-ASCE, vol.134, no.1, pp.64-72, 2008 (SCI-Expanded)

XXVIII. **Risk tolerance measure for decision-making in fuzzy analysis: a health risk assessment perspective**

Kentel E., Aral M. M.

STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.21, no.4, pp.405-417, 2007 (SCI-Expanded)

XXIX. **Fuzzy Multiobjective Decision Making Approach for Groundwater Resources Management**

KENTEL E., Mustafa M A.

Journal Of Hydrologic Engineering, vol.12, pp.206-217, 2007 (SCI-Expanded)

XXX. **2D Monte Carlo versus 2D fuzzy Monte Carlo health risk assessment**

Kentel E., Aral M.

STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.19, no.1, pp.86-96, 2005 (SCI-Expanded)

XXXI. **Probabilistic-fuzzy health risk modeling**

Kentel E., Aral M.

STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.18, no.5, pp.324-338, 2004 (SCI-Expanded)

XXXII. **Renewable energy potential as an alternative to fossil fuels in Turkey**
Ediger V., Kentel E.
ENERGY CONVERSION AND MANAGEMENT, vol.40, no.7, pp.743-755, 1999 (SCI-Expanded)

Articles Published in Other Journals

I. **Scenario-Based Tsunami Hazard Assessment For Java (Sunda) Trench Using Monte Carlo Simulations**
YAVUZ C., KENTEL ERDOĞAN E.
Şırnak Üniversitesi Fen Bilimleri Dergisi, vol.1, no.1, pp.107-122, 2019 (Peer-Reviewed Journal)

II. **Determination of Rainfall – Runoff Relationship in Yenicegoruce Basin with HEC-HMS Hydrologic Model**
MESTA B., KARGI P. G., TEZYAPAR İ., AYVAZ M. T., GÖKTAŞ R. K., KENTEL ERDOĞAN E., TEZEL U.
Pamukkale University Journal of Engineering Sciences, vol.25, no.8, pp.949-955, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Veri Zarflama Analizi İle Türkiye'de Taşkın Riskli Alanların Belirlenmesi**
YEĞİN M., KENTEL ERDOĞAN E., KARAKAYA G., DEMİR E.
40. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi (YA/EM 2021), İstanbul, Turkey, 5 - 07 July 2021, pp.32

II. **Evaluation of the Water-Energy-Food Nexus with the Focus on Climate Change in a Semi-arid Watershed, Turkey**
ALP E., ÖZCAN Z., Özcan C., Özel B., BAŞKAN O., Demir Y., KENTEL ERDOĞAN E., AYDINALP KÖKSAL M.
WEFTECT 2020, United States Of America, 05 October 2020

III. **Nehir Suyu Kalitesi Gözlem Verileri Yardımıyla Kimyasal Kirleticilerin Nehir Deşarjlarının Belirlenmesi**
Tezyapar İ., AYVAZ M. T., GÖKTAŞ R. K., Kargı P. G., KENTEL ERDOĞAN E., Mesta B., TEZEL U.
13. Ulusal 1. Uluslararası Çevre Mühendisliği Kongresi, 10 - 12 October 2019

IV. **Optimum tank size for a rainwater harvesting system: Case study for Northern Cyprus**
Ruso M., Akintug B., KENTEL ERDOĞAN E.
Sustainable Built Environment Conference (SBE), Helsinki, Finland, 22 - 24 May 2019, vol.297

V. **Nehir suyu kalite gözlem sonuçlarının hidrolik ve taşınım modelleri yardımıyla incelenmesi**
GÖKTAŞ R. K., AYVAZ M. T., Kargı P. G., KENTEL ERDOĞAN E., Mesta B., Tezyapar İ., TEZEL U.
International Symposium on Urban Water and Wastewater Management, Denizli, Turkey, 25 - 27 October 2018

VI. **Nehir Suyu Kalitesi Gözlem Sonuçlarının Hidrolik ve Taşınım Modelleri Yardımıyla İncelenmesi**
Tezyapar İ., Kargı P. G., Mesta B., AYVAZ M. T., GÖKTAŞ R. K., KENTEL ERDOĞAN E., TEZEL U.
Uluslararası Kentsel Su ve Atıksu Yönetimi Sempozyumu (UKSAY)-2018, Denizli, Turkey, 25 - 27 October 2018, vol.1, pp.1061-1068

VII. **Yenigörüce Havzası'ndaki Yağış-Akış İlişkisinin HEC-HMS Hidrolojik Modeli ile Belirlenmesi**
MESTA B., KARGI P. G., AYVAZ M. T., GÖKTAŞ R. K., KENTEL ERDOĞAN E., TEZEL U.
International Symposium on Urban Water and Wastewater Management, Denizli, Turkey, 25 - 27 October 2018, vol.1, pp.200-207

VIII. **Yenigörüce Havzası'ndaki Yağış-Akış İlişkisinin HEC-HMS Hidrolojik Modeli ile Belirlenmesi**
Mesta B., Kargı P. G., Tezyapar İ., AYVAZ M. T., GÖKTAŞ R. K., KENTEL ERDOĞAN E., TEZEL U.
Uluslararası Kentsel Su ve Atıksu Yönetimi Sempozyumu (UKSAY)-2018, Denizli, Turkey, 25 - 27 October 2018, vol.1, pp.200-207

IX. **Probabilistic tsunami risk assessment using Monte Carlo simulations**

YAVUZ C., KENTEL ERDOĞAN E.

13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018

X.   **Impact of the period of record on the performance of the map correlation method**

Öcal D., KENTEL ERDOĞAN E.

13th International Congres on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018

XI. **Impact of record on the performance of the map correlation method**

Öcal D., KENTEL ERDOĞAN E.

13th International Congres on Advances in Civil Engineering, 21 - 14 August 2018

XII. **Probabilistic Tsunami Risk Assessment Using Monte Carlo Simulations**

YAVUZ C., KENTEL ERDOĞAN E.

13th International Congress on Advances in Civil Engineering, 12 - 14 August 2018

XIII. **Assessment of Hydromorphological Characteristics in Sakarya Watershed, Turkey**

Özcan C., KENTEL ERDOĞAN E., ALP E.

13th International Conference on Hydroinformatics, 1 - 06 July 2018

XIV. **Weekly flow prediction of Ergene river using an artificial neural network based solution approach**

AYVAZ M. T., TEZEL U., KENTEL ERDOĞAN E., GÖKTAŞ R. K.

13 th International Conference on Hydroinformatics, 1 - 06 July 2018

XV. **Weekly Flow Prediction of Ergene River Using an Artificial Neural Network Based Solution Approach**

AYVAZ M. T., TEZEL U., KENTEL ERDOĞAN E., GÖKTAŞ R. K.

13th International Conference on Hydroinformatics (HIC 2018), 1 - 06 June 2018, vol.3, pp.155-161

XVI. **Estimation of Streamflow Using Takagi-Sugeno Fuzzy Rule-Based Model**

Akgün Ö. B., KENTEL ERDOĞAN E.

13th International Hydroinformatics Conference HIC2018, 1 - 06 July 2018

XVII. **Effect of land surface elevation data availability on river hydraulic model output**

GÖKTAŞ R. K., AYVAZ M. T., Kargı P. G., KENTEL ERDOĞAN E., Mesta B., Tezyapar İ., TEZEL U.

European Geosciences Union General Assembly 2018, Viyana, Austria, 8 - 13 April 2018, vol.20

XVIII. **Input variable selection for hydrological predictions in ungauged catchments: with or without clustering**

DOĞULU N., BATMAZ İ., KENTEL ERDOĞAN E.

EGU General Assembly, 8 - 13 April 2018

XIX. **Clustering approaches for analysing similarity in ungagued catchments: input variable selection for hydrological predictions**

DOĞULU N., BATMAZ İ., KENTEL ERDOĞAN E.

EGU General Assembly 2018, 8 - 13 April 2018

XX. **Inflow Analysis of a Hydropower Reservoir**

Mesta B., KENTEL ERDOĞAN E.

EGU General Assembly 2018, 8 - 13 April 2018

XXI. **Coastal Tsunami and Risk Assessment for Eastern Mediterranean Countries**

YAVUZ C., KENTEL ERDOĞAN E.

2017 American Geophysical Union (AGU) Fall Meeting, New Orleans, United States Of America, 11 - 15 December 2017

XXII. **Effect of using extreme years in hydrologic model calibration performance**

GÖKTAŞ R. K., TEZEL U., KARGI P. G., AYVAZ M. T., TEZYAPAR İ., MESTA B., KENTEL ERDOĞAN E.

American Geophysical Union (AGU) 2017 Fall Meeting, New Orleans, United States Of America, 11 - 15 December 2017

XXIII. **Municipal solid waste management with cost minimization and emission control objectives**

MOHSENIZADEH M., KENTEL ERDOĞAN E., TURAL M. K.

The 5th International Fuzzy Systems Symposium 2017, 14 - 15 October 2017

XXIV. **Critical infrastructure management: risk, resilience and extent concepts**

KENTEL ERDOĞAN E., GÜNDÜZ O., BAYAR M., ARAL M.

12th Conference on Sustainable Development of Energy, Water and Environment Systems, 4 - 08 October 2017

XXV. **A GIS Tool to Estimate Flow at Ungaged Basins Using the Map Correlation Method**
Ocal D., KENTEL ERDOĞAN E.
17th International Conference on Computational Science and its Applications (ICCSA), Trieste, Italy, 3 - 06 July 2017, vol.10407, pp.377-391

XXVI. **Establishing a Critical Zone Observatory site in Turkey**
DEMİR G., AKYÜREK S. Z., BİNLEY A., YÜCEL İ., KENTEL ERDOĞAN E., MERZİ N., YILMAZ M. T., YANMAZ A. M.
European Geosciences UnionGeneral Assembly 2017, 23 - 28 April 2017

XXVII. **Clustering of hydrological data: a review of methods for runoff predictions in ungauged basins**
DOĞULU N., KENTEL ERDOĞAN E.
19th EGU General Assembly, EGU2017, proceedings from the conference held 23-28 April, 2017 in Vienna, Austria., p.12005, 23 - 28 April 2017

XXVIII. **Exploring the added value of machine learning methods in predicting flow duration curves a comparative analysis for ungauged catchments**
Doğulu N., KENTEL ERDOĞAN E.
AGU Fall Meeting - 2016, 12 - 16 December 2016

XXIX. **Su dağıtım sistemleri için en iyi ek klorlama istayon ağının simülasyon optimizasyon ve çok amaçlı bulanık karar verme modelleri kullanılarak belirlenmesi**
AYVAZ M. T., KENTEL ERDOĞAN E.
UKSAY Uluslararası Su ve Atık Su Yönetimi Sempozyumu, 26 - 28 October 2016

XXX. **Flood Risk Mapping Using Economic Environmental and Social Dimensions**
Yeğin M., KENTEL ERDOĞAN E.
12th International Congress on Advances in Civil Engineering (ACE), 21 - 23 September 2016

XXXI. **Integrated River Basin Management to Maximize the Combined Benefit from Cascade Hydropower Plants**
Ak M., SAVAŞANERİL TÜFEKCİ S., KENTEL ERDOĞAN E.
12th International Congress on Advances in Civil Engineering (ACE), 21 - 23 September 2016

XXXII. **Coastal Tsunami Hazard Mapping**
YAVUZ C., KENTEL ERDOĞAN E.
4th European Congress of the International Association for Hydro-environment engineering and Research, 27 - 29 July 2016

XXXIII. **Estimation of Flow Duration Curve for Ungauged Catchments using Adaptive Neuro Fuzzy Inference System and Map Correlation Method A Case Study from Turkey**
Doğulu N., KENTEL E.
2015 AGU Fall Meeting, San Francisco, California, USA. 14-18 December, 14 - 18 December 2015

XXXIV. **Integrated Watershed Management for Lake Mogan with the focus of Agricultural Diffuse Pollution**
ÖZCAN Z., Hatipoğlu A., Başkan O., DÜZGÜN H. Ş., KENTEL E., ALP E.
WEFTEC 2015, The Water Quality Event, The Water Environment Federation, September 26 – 30, 2015, Chicago, Illinois, USA, 26 - 30 September 2015

XXXV. **Determination of nutrient loads in Mogan watershed through modelling approach**
ÖZCAN Z., KENTEL E., ALP E.
17th IWA International Conference on Diffuse Pollution and Eutrophication, 13–18 September, Berlin, Germany., 13 - 18 September 2015

XXXVI. **Prioritization and selection of climate change adaptation measures: a review of the literature**
Dogulu N., KENTEL ERDOĞAN E.
36th IAHR World Congress, Delft, Netherlands, 28 June - 03 July 2015, pp.5330-5335

XXXVII. **Hydropower versus Other Renewable Energy Sources**
Gök E., KENTEL E.
World Water Congress XV, Edinburgh, Scotland. 25-29 May, 2015, 25 - 29 May 2015

XXXVIII. **Sustainable Stormwater Management on METU Campus Ankara Turkey**
G G T., DÜZGÜN H. Ş., ERDOĞAN S. T., KENTEL E., ALP E.
Smart and Sustainable Campuses Conference, March 30-31, 2015, University of Maryland, Baltimore USA., 30 - 31

March 2015

XXXIX. **Seepage analysis of earth fill dams having random fields**
ÇALAMAK M., KENTEL E., YANMAZ A. M.
10th International Congress on Advances in Civil Engineering (ACE 2010), Ankara, Turkey, 17 - 19 October 2012, pp.1-9

Supported Projects

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TUBITAK Project, 2224 - International Scientific Activities Support Program, Bogazici University, Turkey, May 2019

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Scientific Consultations

Danıştay, Scientific Consultancy, Middle East Technical University, Faculty of Engineering, Department of Civil

Engineering, Turkey, 2019 - 2019

Danıştay, Scientific Consultancy, Middle East Technical University, Faculty of Engineering, Department of Civil
Engineering, Turkey, 2019 - 2019

Danıştay, Scientific Consultancy, Middle East Technical University, Faculty of Engineering, Department of Civil
Engineering, Turkey, 2019 - 2019

Tasks In Event Organizations

Kentel Erdoğan E., Uluslararası Kentsel Su ve Atıksu Yönetimi Sempozyumu (UKSAY)-2018, Scientific Congress, Denizli,
Turkey, Ekim 2018

Scientific Research / Working Group Memberships

Rüzgem, Middle East Technical University, Turkey, https://ruzgem.metu.edu.tr/, 2017 - Continues

Metrics

Publication: 84
Citation (WoS): 974
Citation (Scopus): 1277
H-Index (WoS): 14
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Non Academic Experience

Georgia Institute of Technology
ENSR International Environmental Consulting Company, Ankara
Niğde University, Aksaray Engineering Faculty, Aksaray