

# 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

Post Graduate, Drexel University, United States Of America 1994 - 1996

Under Graduate, 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

## Professional Experience

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

## Courses

Water Resources Engineering, Under Graduate, 2018 - 2019

## Advising Theses

- Kentel Erdoğan E., Akyürek S. Z. , Simulation of streamflow using hydrologic modeling system HEC-HMS, Post Graduate, B.ERŞAHİN(Student), 2020
- Kentel Erdoğan E., Developing optimum operation strategies for wind-hydro hybrid systems, Post Graduate, E.ERCAN(Student), 2020
- Kentel Erdoğan E., FILLING OUT MISSING DAILY STREAMFLOW DATA USING FUZZY RULE-BASED MODELS, Post Graduate, 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, Post Graduate, H.PİLATİN(Student), 2020
- Kentel Erdoğan E., Operation strategies of pumped storage hydropower plants under electricity spot market: Case study of Uluabat hydropower plant, Post Graduate, A.TURAN(Student), 2019
- Kentel Erdoğan E., Askan Gündoğan A., Prediction of felt intensity from ground motion parameters using artificial neural network method, Post Graduate, S.İÇEL(Student), 2019
- KENTEL ERDOĞAN E., Tsunami risk assesment and positioning of a tsunami early warning system, Doctorate, C.YAVUZ(Student), 2018
- SEVERCAN Y. C. , KENTEL ERDOĞAN E., People's preferences towards wind farms at the coast of Muğla, Post Graduate, Y.Bahadır(Student), 2018
- Kentel Erdoğan E., Severcan Y. C. , People's preferences towards wind farms at the coast of Mugla, Post Graduate, Y.BAHADIR(Student), 2018
- ALP E., KENTEL ERDOĞAN E., Sustainable water and stormwater management for Metu campus, Post Graduate, M.KİRAZ(Student), 2018
- SAVAŞANERİL TÜFEKÇİ S., KENTEL ERDOĞAN E., Rule curves for operating single- and multi-reservoir hydropower plants, Doctorate, M.AK(Student), 2017
- KENTEL ERDOĞAN E., Development of a GIS-based estimator for streamflow at ungaged catchments, Post Graduate, D.ÖCAL(Student), 2017
- ALP E., KENTEL ERDOĞAN E., Evaluation of the best management practices to control agricultural diffuse pollution in lake mogan watershed with swat model, Post Graduate, Z.ÖZCAN(Student), 2016
- KENTEL ERDOĞAN E., Flood risk mapping using economic, environmental and social dimensions, Post Graduate, M.YEĞİN(Student), 2015
- KENTEL ERDOĞAN E., Flood risk mapping using economic, environmental and sociadimensions, Post Graduate, M.Yeğin(Student), 2015
- AKSOY A., KENTEL ERDOĞAN E., Evaluation of BTEX concentrations in selected industries producing and applying paint based on human health risks through inhalation /, Post Graduate, 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., Health risk assessment for the land application of biosolids in Ankara, Turkey: Ingestion pathway, Post Graduate, E.KENDİR(Student), 2013
- YANMAZ A. M. , KENTEL ERDOĞAN E., Development of the rule curve for Altiparmak Hydroelectric Power plant, Post Graduate, 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, Post Graduate, B.VURAL(Student), 2013
- KENTEL ERDOĞAN E., Renewable energy planning in Turkey with a focus on hydropower, Post Graduate, E.GÖK(Student), 2013

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

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

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

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

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

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

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

KENTEL ERDOĞAN E., GIS-based site selection approach for wind and solar energy systems: A case study from western Turkey, Post Graduate, 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, Post Graduate, 2010 - 2011

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

- I. **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 (Journal Indexed in SCI)
- II. **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, 2020 (Journal Indexed in SCI)
- III. **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, 2020 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)

- VI. **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 (Journal Indexed in SCI)
- VII. **Operating policies for energy generation and revenue management in single-reservoir hydropower systems**  
Ak M., KENTEL ERDOĞAN E., SAVAŞANERİL TÜFEKÇİ S.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.78, pp.1253-1261, 2017 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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, 2017 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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., Saygılı G.  
JOURNAL OF RESIDUALS SCIENCE & TECHNOLOGY, vol.11, pp.49-54, 2014 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **Fuzzy Multiobjective Decision Making Approach for Groundwater Resources Management**  
KENTEL E., Mustafa M A.  
Journal Of Hydrologic Engineering, vol.12, pp.206-217, 2007 (Journal Indexed in SCI Expanded)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **Probabilistic-fuzzy health risk modeling**  
Kentel E., Aral M.  
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.18, no.5, pp.324-338, 2004 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)

## 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 (Refereed Journals of Other Institutions)
- 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 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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

- II. **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
- III. **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
- IV. **Yenigözüce Havzası'ndaki Yağış-Akış İlişkinin 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
- V. **Yenigözüce Havzası'ndaki Yağış-Akış İlişkinin 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
- VI. **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
- VII. **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
- VIII. **Impact of the period of record on the performance of the map correlation method**  
Öcal D., KENTEL ERDOĞAN E.  
13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018
- 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 record on the performance of the map correlation method**  
Öcal D., KENTEL ERDOĞAN E.  
13th International Congress on Advances in Civil Engineering, 21 - 14 August 2018
- XI. **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
- XII. **Assessment of Hydromorphological Characteristics in Sakarya Watershed, Turkey**  
Özcan C., KENTEL ERDOĞAN E., ALP E.  
13th International Conference on Hydroinformatics, 1 - 06 July 2018
- XIII. **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
- 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.  
13th International Conference on Hydroinformatics (HIC 2018), 1 - 06 June 2018, vol.3, pp.155-161
- XV. **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
- XVI. **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
- XVII. **Inflow Analysis of a Hydropower Reservoir**

- Mesta B., KENTEL ERDOĞAN E.  
EGU General Assembly 2018, 8 - 13 April 2018
- 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 ungauged catchments: input variable selection for hydrological predictions**  
DOĞULU N., BATMAZ İ., KENTEL ERDOĞAN E.  
EGU General Assembly 2018, 8 - 13 April 2018
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **A GIS Tool to Estimate Flow at Ungauged 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
- XXV. **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 Union General Assembly 2017, 23 - 28 April 2017
- XXVI. **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
- XXVII. **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
- XXVIII. **Su dağıtım sistemleri için en iyi ek klorlama istasyon 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
- XXIX. **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
- XXX. **Integrated River Basin Management to Maximize the Combined Benefit from Cascade Hydropower Plants**  
Ak M., SAVAŞANERİL TÜFEKÇİ S., KENTEL ERDOĞAN E.  
12th International Congress on Advances in Civil Engineering (ACE), 21 - 23 September 2016
- XXXI. **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

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

## Supported Projects

KENTEL ERDOĞAN E., AKGÜN Ö. B., Project Supported by Higher Education Institutions, Comparison of Frequency Analysis with Density Based Clustering in Evaluating Extreme Streamflows, 2018 - Continues

Huvaj Sarihan N., Kentel Erdoğan E., Askan Gündoğan A., Şenol Balaban M., Balaban O., Project Supported by Other Official Institutions, Çevre ve Şehircilik Bakanlığı, MEKANSAL PLANLARDA ESAS ALINACAK SAKINIM ÖNLEMLERİ VE RİSK AZALTIM KRİTERLERİNİN GELİŞTİRİLMESİ İŞİ, 2020 - 2021

Kentel Erdoğan E., Yücel İ., TÜBİTAK International Bilateral Joint Cooperation Program Project, Assessment of Climate Change Impacts on Streamflow and Hydropower in Antalya, Turkey, 2019 - 2021

Alp E., Kentel Erdoğan E., Aydınalp Köksal M., TUBİTAK Project, The Evaluation of Water Energy Food Nexus in Sakarya Watershed, 2017 - 2020

Yücel İ., Akyürek S. Z., Kentel Erdoğan E., Yanmaz A. M., Merzi N., Aksu H., Yakut M., TUBİTAK Project, Kavramsal Hidrolojik Model ile Hidrolojik Döngü Parametrelerinin Elde Edilmesi, 2016 - 2019

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## **Tasks In Event Organizations**

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