Prof. MEHMET ALİ YURDUSEV

Personal Information

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Education

Doctorate, University of Newcastle Upon Tyne, England 1994 - 1998
Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Turkey 1987 - 1991
Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1982 - 1986

Foreign Languages

English

Dissertations

Doctorate, Integration of environmental concerns into large-scale water resources modelling, University of Newcastle Upon Tyne, 1998
Postgraduate, Risk and Reliability Assessment of Concrete Gravity Dams on the Example of Kemer Dam, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 1990

Academic Positions

Professor, 2009 - Present
Associate Professor, 1999 - 2009
Research Assistant, 1993 - 1999
Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1987 - 1993

Academic and Administrative Experience

2016 - Present
2014 - Present
2012 - 2016
Manisa Celal Bayar University, 2014 - 2014
2011 - 2014
2005 - 2014

Supervised Theses

Supervised Theses

YURDUSEV M. A., Yiğitler barajı örneğinde sulama barajlarına hidroelektrik santralı entegrasyonunun ekonomisi, Postgraduate, E.UZUN(Student), 2024
YURDUSEV M. A., Ecemiş Çayının Taşkın Risk Analizi, Postgraduate, Ö.CENGİZ(Student), 2024
YURDUSEV M. A., Beton barajların dinamik özelliklerinin deneysel ve teorik olarak incelenmesi, Doctorate, M.SELÇUK(Student), 2022
YURDUSEV M. A., Dalgakıran parametrelerinin dalgakıran tasarımındaki rolünün sayısal olarak incelenmesi, Doctorate, İ.ERGİN(Student), 2022
YURDUSEV M. A., Kentsel içme suyu dağıtım sistemi tasarımında ağ ve dal şebekelerin kıyaslanması, Postgraduate, Z.SALEM(Student), 2021
YURDUSEV M. A., Kil çekirdekli ve ön yüzü beton kaplamalı dolgu barajların kıyaslaması, Postgraduate, K.AQA(Student), 2020
YURDUSEV M. A., Kentsel yağmur suyu ve kanalizasyon sistemlerinin optimizasyonu, Doctorate, T.ÇETİN(Student), 2014
YURDUSEV M. A., Kavramsal hidrolojik modellerin bulanıklaştırılması, Doctorate, M.ERKAN(Student), 2013
YURDUSEV M. A., Hidrolojik model uygulamaları, Postgraduate, M.MURAT(Student), 2011
YURDUSEV M. A., Küresel ısınma ve iklim değişikliği senaryolarına dayalı kentsel içme-kullanma suyu tahmini, Postgraduate, Ö.BİRGE(Student), 2011
YURDUSEV M. A., Su kaynaklarında yapay sinir ağları ile performans analizi, Postgraduate, O.AKKOÇ(Student), 2009
YURDUSEV M. A., Su kaynakları sistemlerinin etkinlik ve performans analizi, Postgraduate, Ö.ŞANSLI(Student), 2008
YURDUSEV M. A., Akarsu akımlarının tahmininde yapay zekâ tekniklerinin kullanılması, Postgraduate, M.ERKAN(Student), 2007
YURDUSEV M. A., Yapay sinir ağları ile hidrolojik modelleme, Postgraduate, M.ACİ(Student), 2006
YURDUSEV M. A., Yapay zeka tekniklerinin Su Kaynakları Mühendisliğinde kullanılması, Postgraduate, B.ÇETİN(Student), 2004
YURDUSEV M. A., Modern hesaplama tekniklerinin su kaynakları mühendisliğinde kullanımı, Postgraduate, T.ACAR(Student), 2003
YURDUSEV M. A., Manisa için uygun talep yönetimi önlemlerinin belirlenerek su tasarruf potansiyelinin tahmini, Postgraduate, A.ALİ(Student), 2003

Articles

I. **Investigation of scaffolding accident in a construction site: A case study analysis**
DOĞAN E., YURDUSEV M. A., Yildizel S. A., Calis G.
Engineering Failure Analysis, vol.120, 2021 (SCI-Expanded, Scopus)

II. **A Research to Determine Environmental Approaches of University Students: Manisa Celal Bayar University Case**
Cetin T., TURAN M. E., Aytekin P., Yurdusev M. A.
Doğal Afetler ve Çevre Dergisi, vol.6, no.1, pp.12-23, 2020 (TRDizin)

III. **Genetic algorithm for networks with dynamic mutation rate**
ÇETİN T., YURDUSEV M. A.
GRADEVINAR, vol.69, no.12, pp.1101-1109, 2017 (SCI-Expanded, Scopus)

IV. **The Comparison of Velocity Formulas Used in Stormwater and Sewage Design**
ÇETİN T., YURDUSEV M. A.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.12, no.1, pp.17-25, 2016 (TRDizin)

V. **Fuzzy conceptual hydrological model for water flow prediction**
Turan M. E., Yurdusev M. A.
Water Resources Management, vol.30, no.2, pp.653-667, 2016 (SCI-Expanded, Scopus)

VI. **The importance of innovation and leadership education in civil engineering discipline**
YILDIZEL S. A., KAPLAN G., ARSLAN Y., ÖZTÜRK A. U., EVRENSEL M., YURDUSEV M. A.
Journal of Engineering Research and Applied Science, vol.4, no.2, pp.303-306, 2015 (Peer-Reviewed Journal)

VII. **Predicting Monthly River Flows by Genetic Fuzzy Systems**

Turan M. E., Yurdusev M. A.
Water Resources Management, vol.28, no.13, pp.4685-4697, 2014 (SCI-Expanded, Scopus)

VIII. **Reply to discussion on "River flow estimation from upstream flow records by artificial intelligence methods" by ME Turan and MA Yurdusev [J. Hydrol. 369 (2009) 71-77]**
Yurdusev M. A., Turan M. E.
JOURNAL OF HYDROLOGY, no.1-2, pp.580-581, 2011 (SCI-Expanded, Scopus)

IX. **Optimization of open canal cross sections by differential evolution algorithm**
Turan M. E., Yurdusev M. A.
Mathematical and Computational Applications, vol.16, no.1, pp.77-86, 2011 (Scopus, TRDizin)

X. **Use of data envelopment analysis as a multi criteria decision tool - A case of irrigation management**
Yilmaz B., YURDUSEV M. A.
Mathematical and Computational Applications, vol.16, no.3, pp.669-679, 2011 (Scopus, TRDizin)

XI. **Comparative analysis of neural network techniques for predicting water consumption time series**
Fırat M., Turan M. E., Yurdusev M. A.
Journal of Hydrology, vol.384, no.1-2, pp.46-51, 2010 (SCI-Expanded, Scopus)

XII. **Neural networks and fuzzy inference systems for predicting water consumption time series**
YURDUSEV M. A., Firat M., TURAN M. E., Gultekin Sinir B.
Stochastic Environmental Research and Risk Assessment, vol.23, no.8, pp.1225, 2009 (SCI-Expanded, Scopus)

XIII. **Comparative analysis of fuzzy inference systems for water consumption time series prediction**
Firat M., Turan M. E., Yurdusev M. A.
Journal of Hydrology, vol.374, no.3-4, pp.235-241, 2009 (SCI-Expanded, Scopus)

XIV. **Water use prediction by radial and feed-forward neural nets**
YURDUSEV M. A., Firat M., Mermer M., TURAN M. E.
Proceedings of the Institution of Civil Engineers: Water Management, vol.162, no.3, pp.179-188, 2009 (SCI-Expanded, Scopus)

XV. **River flow estimation from upstream flow records by artificial intelligence methods**
Turan M. E., Yurdusev M. A.
Journal of Hydrology, vol.369, no.1-2, pp.71-77, 2009 (SCI-Expanded, Scopus)

XVI. **Neural extension of experimental data to investigate using phosphogypsume in light brick production**
YURDUSEV M. A., KUMANLIOĞLU A. A., ABALI Y., ZEYBEK M. S.
Construction and Building Materials, vol.23, no.5, pp.1871-1877, 2009 (SCI-Expanded, Scopus)

XVII. **Evaluation of Artificial Neural Network Techniques for Municipal Water Consumption Modeling**
Fırat M., Yurdusev M. A., Turan M. E.
WATER RESOURCES MANAGEMENT, vol.23, no.4, pp.617-632, 2009 (SCI-Expanded, Scopus)

XVIII. **Adaptive neuro fuzzy inference system approach for municipal water consumption modeling: An application to Izmir, Turkey**
YURDUSEV M. A., Firat M.
Journal of Hydrology, vol.365, no.3-4, pp.225-234, 2009 (SCI-Expanded, Scopus)

XIX. **The assessment of irrigation efficiency in Buyuk Menderes Basin**
YILMAZ B., YURDUSEV M. A., Harmancioglu N. B.
Water Resources Management, vol.23, no.6, pp.1081-1095, 2009 (SCI-Expanded, Scopus)

XX. **Monthly water demand forecasting by adaptive neuro-fuzzy inference system approach Uyarlamali sinirsel bulanik mantik yaklaşimi ile aylik su tüketiminin tahmini**
Firat M., YURDUSEV M. A., Mermer M.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.23, no.2, pp.449-457, 2008 (Scopus, TRDizin)

XXI. **Survey-based estimation of domestic water saving potential in the case of Manisa City**
YURDUSEV M. A., KUMANLIOĞLU A. A.
Water Resources Management, vol.22, no.3, pp.291-305, 2008 (SCI-Expanded, Scopus)

XXII. **Using phosphogypsume and boron concentrator wastes in light brick production**

ABALI Y., YURDUSEV M. A., ZEYBEK M. S., KUMANLIOĞLU A. A.
Construction and Building Materials, vol.21, no.1, pp.52-56, 2007 (SCI-Expanded, Scopus)

XXIII. **Assessment of optimum tip speed ratio in wind turbines using artificial neural networks**
YURDUSEV M. A., Ata R., Çetin N.
Energy, vol.31, no.12, pp.2153-2161, 2006 (SCI-Expanded, Scopus)

XXIV. **Environmentally-sensitive water resources planning**
YURDUSEV M. A., O'Connell P.
Water Resources Management, vol.19, no.4, pp.375-397, 2005 (SCI-Expanded, Scopus)

XXV. **Environmentally-sensitive water-resources planning: II. A case study**
YURDUSEV M. A., O'Connell P.
Water Resources Management, vol.19, no.4, pp.399-421, 2005 (SCI-Expanded, Scopus)

XXVI. **Assessment of retention basin volume and outlet capacity in urban stormwater drainage systems with respect to water quality**
YURDUSEV M. A., KUMANLIOĞLU A. A., Soemaz B.
Sadhana - Academy Proceedings in Engineering Sciences, vol.30, no.6, pp.723-734, 2005 (SCI-Expanded, Scopus)

XXVII. **Assessment of optimum tip speed ratio of wind turbines**
Çetin N., YURDUSEV M. A., Ata R., Özdemir A.
Mathematical and Computational Applications, vol.10, no.1, pp.147-154, 2005 (Scopus, TRDizin)

XXVIII. **Use of zeolite, coal bottom ash and fly ash as replacement materials in cement production**
CANPOLAT O., Yilmaz K., Köse M., Sümer M., YURDUSEV M. A.
Cement and Concrete Research, vol.34, no.5, pp.731-735, 2004 (SCI-Expanded, Scopus)

XXIX. **Assessing environmental consequences of water projects based on a pseudo expert system approach**
YURDUSEV M. A.
Mathematical and Computational Applications, vol.4, no.1, pp.251-259, 1999 (Scopus, TRDizin)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Sifonik Yağmur Suyu Drenaj Sistemi Tasarımı**
DOĞAROĞLU B., YURDUSEV M. A.
International Symposium on Urban Water and Wastewater Management, Denizli, Turkey, 25 - 27 October 2018, pp.928-935, (Full Text)

II. **Water Efficiency Labelling**
Yurdusev M. A., Turan M. E.
II. International University Industry Cooperation, RD and Innavation Congress, Manisa, Turkey, 14 - 15 November 2018, pp.212-215, (Full Text)

III. **Manisa Özelinde Ön Ödemeli Sayaçların Su Kullanımına Etkisi**
KUMANLIOĞLU A. A., Aslay B., YURDUSEV M. A.
Uluslararası Su ve Çevre Kongresi (SUÇEV), 22 - 24 March 2018, pp.722-726, (Full Text)

IV. **ECONOMIC AND SAFELY CONSTRUCTION METHOD FOR EMBANKMENTS WITH NEARBY SOIL MATERIALS**
BAŞARI E., DEMİR A., YURDUSEV M. A.
1. International University-Industry Cooperation, R D and Innovation Congress, 18 - 19 December 2017, pp.71, (Summary Text)

V. **From Industry 4.0 to Water 4.0**
Turan M. E., Çetin T., Yurdusev M. A.
1. INTERNATIONAL UNIVERSITY INDUSTRY COOPERATION,RD AND INNOVATION CONGRESS, Manisa, Turkey, 18 - 19 December 2017, pp.52, (Summary Text)

VI. **MANİSA CELAL BAYAR ÜNİVERSİTESİ ÖZELİNDE İNŞAAT MÜHENDİSLİĞİ BÖLÜMLERİNİN TERCİH EDİLİRLİĞİ**

ÇETİN T., TURAN M. E., DEMİR A., YURDUSEV M. A.
ICQH2017 International Conference on Quality in Higher Education, 7 - 08 December 2017, pp.142, (Summary Text)

VII. **On-site Safety Considerations for Scaffoldings**
DOĞAN E., YILDIZEL S. A., YURDUSEV M. A.
ISITES2017, Baku, Azerbaijan, 29 September - 01 October 2017, (Full Text)

VIII. **On-site Safety Considerations for Scaffoldings: A Case Study**
DOĞAN E., YILDIZEL S. A., YURDUSEV M. A.
5TH INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, 29 September - 01 October 2017, (Full Text)

IX. **Türk İslam kültüründe Su ve Çevre**
YURDUSEV M. A.
International Symposium on Environment and Morality, 06 December 2016, (Full Text)

X. **Optimal Hydraulic Design Of Sewer Networks Using Genetic Algorithm**
ÇETİN T., YURDUSEV M. A.
International Science and Technology Conference, 26 - 28 October 2016, (Full Text)

XI. **Manisa İli Su İhtiyacı Tahmini**
TURAN M. E., KUMANLIOĞLU A. A., YURDUSEV M. A.
International Symposium of Water and Wastewater Management, Malatya, Turkey, 26 - 28 October 2016, pp.410-417, (Full Text)

XII. **İçme Suyu Şebekesinin Yenilenmesinin Su Kaçağı Oranına Etkisi Manisa Örneği**
KUMANLIOĞLU A. A., YURDUSEV M. A., TURAN M. E., NOHUTÇU E.
International Symposium of Water and Wastewater Management, Malatya, Turkey, 26 - 28 October 2016, pp.684-689, (Full Text)

XIII. **İnşaat Mühendisliği Disiplininde İnovasyon ve Liderlik Eğitiminin Önemi**
YILDIZEL S. A., YILDIRIM M. S., ÖZTÜRK A. U., YURDUSEV M. A.
3. İnşaat Mühendisliği Eğitimi Sempozyumu, Ankara, Turkey, 8 - 09 January 2016, (Full Text)

XIV. **KENTSEL YAĞMUR SUYU VE KANALİZASYON SİSTEMLERİNİN GENETİK ALGORİTMA KULLANILARAK OPTİMİZASYONU**
Çetin T., Yurdusev M. A.
8.Ulusal Hidroloji Kongresi, Şanlıurfa, Turkey, 8 - 10 October 2015, pp.273-278, (Full Text)

XV. **Genetic Fuzzy Prediction Of Monthly River Flows**
Turan M. E., Yurdusev M. A.
The Second International Conference on Water, Energy and the Environment, Aydın, Turkey, 21 - 24 September 2013, pp.6, (Summary Text)

XVI. **Unmeasured Hydrological Data Estimation by Artificial Intelligence Methods**
TURAN M. E., YURDUSEV M. A.
BALWOIS 2008 Third International Scientific Conference on Water Observation and Information System for Decision Support, Ohrid, Macedonia, 27 - 31 May 2008, pp.360, (Summary Text)

XVII. **Extending experimental data to investigate phosphogypsume use in light brick by Artificial Neural Networks**
YURDUSEV M. A., KUMANLIOĞLU A. A., ABALI Y., ZEYBEK M. S., Canpolat F.
International Conference on Sustainable Construction Materials and Technologies, Coventry, England, 11 - 13 June 2007, pp.589-592, (Full Text)

XVIII. **Sulfate resistance of mortars with and without silica fume and natural pozzolan**
Canpolat F., YURDUSEV M. A., TARGAN Ş., Yilmaz K.
International Conference on Sustainable Construction Materials and Technologies, Coventry, England, 11 - 13 June 2007, pp.325-332, (Full Text)

XIX. **Demand Management Who Is Going To Deal With It**
Yurdusev M. A., Turan M. E., Şanslı Ö.
International Congress on River Basin Management, Antalya, Turkey, 22 - 24 March 2007, pp.568-574, (Full Text)

XX. **Re Thinking the Way We Use Water to Safeguard Precious Natural Resource**
YURDUSEV M. A., KUMANLIOĞLU A. A., TURAN M. E.
International Conference on Human and Economic Resources. A.3. Natural Resources and Environment, İzmir, Turkey, 24 - 25 May 2006, (Summary Text)

XXI. **Tüketici Duyarlılıklarını Araştırarak Manisa Evsel Su Tasarruf Modelinin Belirlenmesi**
KUMANLIOĞLU A. A., YURDUSEV M. A., TURAN M. E., SÜMER M.
II. Ulusal Su Mühendisliği Sempozyumu, İzmir, Turkey, 21 - 24 September 2005, pp.823-829, (Full Text)

XXII. **Tüketici Duyarlılıklarını Araştırarak Manisa Evsel Su Tasarruf Potansiyelinin Belirlenmesi**
KUMANLIOĞLU A. A., YURDUSEV M. A., TURAN M. E., Sümer M.
II. Ulusal Su Mühendisliği Sempozyumu, İzmir, Turkey, 21 - 24 September 2005, pp.823-829, (Full Text)

XXIII. **British Example in Water Privatization**
Yurdusev M. A., Turan M. E., Sümer M.
International Symposium on Water for Development Worldwide, İstanbul, Turkey, 7 - 11 September 2005, pp.361-366, (Full Text)

XXIV. **The Need for Institutional Basis for Demand Management**
YURDUSEV M. A., Şahalan M., KUMANLIOĞLU A. A.
International Symposium on Water for Development Worldwide, İstanbul, Turkey, 7 - 11 September 2005, pp.355-360, (Full Text)

XXV. **Application of artificial neural networks to the estimation of water quality parameters of River Gediz**
Demirdag O., YURDUSEV M. A., Solmaz B.
Joint Conference on Water Resource Engineering and Water Resources Planning and Management 2000, Minneapolis, MN, United States Of America, 30 July - 02 August 2000, vol.104, (Full Text)

XXVI. **Manisa Örneğinde Kentsel Su Kaçağı Oranının Belirlenmesi**
KUMANLIOĞLU A. A., YURDUSEV M. A.
I. Ulusal Su Mühendisleri Sempozyumu, İzmir, Turkey, 22 - 26 September 2003, pp.101-1088, (Full Text)

XXVII. **Evsel Su Tasarruf Araçlarının Etkinliği**
KUMANLIOĞLU A. A., YURDUSEV M. A., Akyiğit U.
Mühendislik Mimarlık Sempozyumu, Balıkesir, Turkey, 11 - 13 September 2002, pp.623-631, (Full Text)

XXVIII. **Challenges Faced in Implementing Integrated Water Resources Management in Developing Countries**
YURDUSEV M. A., KUMANLIOĞLU A. A.
Water Resources and Environment Research. Third International Conference on Water Resources and Environment Research (ICWRER), Dresden, Germany, 22 - 25 July 2002, pp.417-419, (Full Text)

XXIX. **Development of water-resources planning models in england with special reference to environmental issues**
YURDUSEV M. A.
29th Annual Water Resources Planning and Management Conference, WRPMD 1999, Tempe, AZ, United States Of America, 6 - 09 June 1999, (Full Text)

Funded Projects

YURDUSEV M. A., ERDEM R. T., ERGÜT A., ERZİN Y., TURAN M. E., KANTAR E., GÜCÜYEN E., ÇETİN T., BOZKURT M. B., Project Supported by Higher Education Institutions, BAP Infrastructure, Laboratuvar Uygulamalarının İnşaat Mühendisliği Eğitimine Katkısının Değerlendirilmesi, 2017 - 2019

ATİK E., ONAT N., BAŞARAN K., YURDUSEV M. A., ÇİPİLOĞLU M. A., TAŞKIN S., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Manisa Celal Bayar Üniversitesi Güneş Enerji Santrali, 2016 - 2018

Atik E., Onat N., Başaran K., Yurdusev M. A., Çipiloğlu M. A., Taşkın S., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Manisa Celal Bayar Üniversitesi Güneş Enerji Santrali Projesi, 2016 - 2018

YURDUSEV M. A., BAŞARAN K., ÇETİN N. S., Project Supported by Higher Education Institutions, BAP Research Project, Küçük Güçlü Rüzgar-Güneş Hibrid Güç Sistemi Tasarımı ve Uygulaması, 2013 - 2015

Peer Reviews in Scientific Publications

Other Journals, January 2017
WATER RESOURCES MANAGEMENT, Other journals, January 2017
MATHEMATICAL PROBLEMS IN ENGINEERING, Other journals, January 2017
Other journals, January 2017
Other journals, January 2017
JOURNAL OF INTELLIGENT AND FUZZY SYSTEMS, Other journals, January 2017
Other journals, January 2016
INTERNATIONAL JOURNAL OF OPERATIONAL RESEARCH, Other journals, January 2016
MODELLING AND SIMULATION IN ENGINEERING, Other journals, January 2016
Other Journals, January 2016
JOURNAL OF WATER AND LAND DEVELOPMENT, Other journals, January 2016
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, Other Journals, January 2016
Other journals, January 2016
ADVANCES IN ARTIFICIAL INTELLIGENCE, Other journals, January 2016
NEURAL COMPUTING AND APPLICATIONS, Other journals, January 2016

Metrics

Publication: 61
Citation (WoS): 774
Citation (Scopus): 1049
H-Index (WoS): 11
H-Index (Scopus): 15

Non Academic Experience

Talip Kahraman AŞ., Şantiye Müh.