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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-3134-2016

ScopusID: 56021636300

Yoksis Researcher ID: 25244

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (Dr), Turkey 1995 - 2002

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (YI) (Tezli), Turkey 1993 - 1995

Undergraduate, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, Turkey 1988 - 1992

Dissertations

Doctorate, Yüzeş akış ve sediment modellerinin coğrafi bilgi sistemi yardımıyla uygulanması, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (Dr), 2002

Postgraduate, Sulama şebekelerindeki sanat yapılarının yeterliliğinin belirlenmesi, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (YI) (Tezli), 1995

Research Areas

Water Resources Development, Agricultural Hydrology and Meteorology, Information Systems in Irrigation, Geographic Information Systems and Remote Sensing, Hydrology-Hydrometeorology, Land Information Systems, Artificial Intelligence, Computer Learning and Pattern Recognition

Academic Titles / Tasks

Professor, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, 2011 - Continues

Associate Professor, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, 2006 - 2011

Research Assistant PhD, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, 2002 - 2006

Research Assistant, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, 1994 - 2002

Academic and Administrative Experience

Ankara University, 2008 - 2013

Courses

Kültürteknikte Uzaktan Algılama, Postgraduate, 2023 - 2024, 2021 - 2022

Hidroloji, Undergraduate, 2023 - 2024, 2022 - 2023

Kültürteknikte Yapay Zeka Uygulamaları, Postgraduate, 2022 - 2023, 2021 - 2022

Arazi Toplulaştırması, Undergraduate, 2023 - 2024, 2022 - 2023, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Ölçme Bilgisi, Undergraduate, 2022 - 2023, 2021 - 2022, 2018 - 2019, 2017 - 2018, 2016 - 2017

Mühendislik Hidrolojisi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Tarımsal Yapılar ve Sulama, Undergraduate, 2023 - 2024, 2022 - 2023

Ölçme Bilgisi, Undergraduate, 2021 - 2022

Zemin Mekaniği, Undergraduate, 2021 - 2022, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

ARTIFICIAL INTELLIGENCE IN WATER RESOURCES MANAGEMENT, Undergraduate, 2021 - 2022

Su Hasadı Teknikleri, Undergraduate, 2022 - 2023

Advising Theses

Apaydın H., BEYŞEHİR GÖLÜ HAVZASINDA YAPAY SİNİR AĞLARI KULLANILARAK KURAKLIK TAHMİNİ VE YÖNETİMİ, Doctorate, T.AKKURT(Student), 2022

Apaydın H., Sivas iline ait meteorolojik parametrelerin arıma ve LSTM yöntemleri kullanılarak modellenmesi ve tahmini, Postgraduate, A.OZAN(Student), 2022

APAYDIN H., Determination of usage possibilities of mini-hydroelectric turbines as an alternative to pressure reducing valves in pressurized irrigation lines, Postgraduate, E.DAĞDELEN(Student), 2019

Advising Graduates (Non-Thesis)

Apaydın H., Hidrolojik unsurların arazi toplulaştırmasına etkisi ve önemi: Ankara Gölbaşı A.T. ve T.İ.G.H. projesi örneği, Masters (Non-Thesis), M.SAPANCI(Student), 2017

Apaydın H., Orta Karadeniz iklimi koşullarında sulama projesinin arazi toplulaştırmasına etkisi ve örnek arazi toplulaştırma uygulaması, Masters (Non-Thesis), E.BOZ(Student), 2015

Apaydın H., Yapay zeka tekniklerinin arazi toplulaştırmasında kullanım olanakları, Masters (Non-Thesis), B.KUTLU(Student), 2012

Apaydın H., Arazi toplulaştırmasının kırsal kalkınmaya etkileri, Masters (Non-Thesis), S.MICIK(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Kernel-Based Versus Tree-Based Data-Driven Models: On Applying Suspended Sediment Load Estimation**
Sattari M. T., APAYDIN H., Milweski A.
Water (Switzerland), vol.16, no.20, 2024 (SCI-Expanded)
- II. **Extreme pressure coefficients: modelling a hydraulic jump using deep-learning based methods**
Mousavi S. N., APAYDIN H., Sattari M. T., Abraham J. P.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.49, no.2, 2024 (SCI-Expanded)
- III. **A Novel Stochastic Tree Model for Daily Streamflow Prediction Based on A Noise Suppression Hybridization Algorithm and Efficient Uncertainty Quantification**
Attar N. F., Sattari M. T., Apaydin H.
WATER RESOURCES MANAGEMENT, vol.38, no.6, pp.1943-1964, 2024 (SCI-Expanded)
- IV. **Evaluation of Feature Selection Methods in Estimation of Precipitation Based on Deep Learning Artificial Neural Networks**

Sattari M. T., Avram A., APAYDIN H., Matei O.

WATER RESOURCES MANAGEMENT, vol.37, no.15, pp.5871-5891, 2023 (SCI-Expanded)

- V. **Estimation of Alfalfa (*Medicago sativa* L.) yield under RCP4.5 and RCP8.5 climate change projections with ANN in Turkey**
Pekin M. A., ŞAHİN DEMİRBAĞ N., Khawar K. M., APAYDIN H.
MAUSAM, vol.74, no.3, pp.847-860, 2023 (SCI-Expanded)
- VI. **A Hybrid Approach for Regional Low-Flow Frequency Analysis for the Upper Tigris and Euphrates Basin**
Serdar Anli A., Modarres R., APAYDIN H.
JOURNAL OF HYDROLOGIC ENGINEERING, vol.28, no.6, 2023 (SCI-Expanded)
- VII. **Comprehensive review of solar radiation modeling based on artificial intelligence and optimization techniques: future concerns and considerations**
Attar N. F., Sattari M. T., Prasad R., APAYDIN H.
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, vol.25, no.4, pp.1079-1097, 2023 (SCI-Expanded)
- VIII. **Comparative analysis of deep and machine learning approaches for daily carbon monoxide pollutant concentration estimation**
Feizi H., Sattari M., Prasad R., APAYDIN H.
International Journal of Environmental Science and Technology, vol.20, no.2, pp.1753-1768, 2023 (SCI-Expanded)
- IX. **An image-based deep learning model for water turbidity estimation in laboratory conditions**
Feizi H., Sattari M. T., Mosafieri M., Apaydin H.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.20, no.1, pp.149-160, 2023 (SCI-Expanded)
- X. **Improving reservoir inflow prediction via rolling window and deep learning-based multi-model approach: case study from Ermenek Dam, Turkey**
Feizi H., Apaydin H., Sattari M. T., Colak M. S., Sibtain M.
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.36, no.10, pp.3149-3169, 2022 (SCI-Expanded)
- XI. **Agricultural drought survey using MODIS-based image indices at the regional scale: case study of the Urmia Lake Basin, Iran**
Shamloo N., Sattari M. T., APAYDIN H.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.149, no.1-2, pp.39-51, 2022 (SCI-Expanded)
- XII. **Surface water quality classification using data mining approaches: Irrigation along the Aladag River**
Sattari M. T., Feizi H., ÇOLAK M. S., ÖZTÜRK A., Ozturk F., APAYDIN H.
IRRIGATION AND DRAINAGE, vol.70, pp.1227-1246, 2021 (SCI-Expanded)
- XIII. **A multivariate streamflow forecasting model by integrating improved complete ensemble empirical mode decomposition with additive noise, sample entropy, Gini index and sequence-to-sequence approaches**
APAYDIN H., Sibtain M.
JOURNAL OF HYDROLOGY, vol.603, 2021 (SCI-Expanded)
- XIV. **Evapotranspiration estimation using SEBAL algorithm integrated with remote sensing and experimental methods**
Shamloo N., Taghi Sattari M., APAYDIN H., Valizadeh Kamran K., Prasad R.
INTERNATIONAL JOURNAL OF DIGITAL EARTH, vol.14, no.11, pp.1638-1658, 2021 (SCI-Expanded)
- XV. **Artificial intelligence modelling integrated with Singular Spectral analysis and Seasonal-Trend decomposition using Loess approaches for streamflow predictions**
APAYDIN H., Sattari M. T., Falsafian K., Prasad R.
JOURNAL OF HYDROLOGY, vol.600, 2021 (SCI-Expanded)
- XVI. **Estimation of the pan evaporation coefficient in cold and dry climate conditions via the M5 regression tree model**
Taghi Sattari M., Ahamadifar V., Delirhasannia R., APAYDIN H.
ATMOSPHERA, vol.34, no.3, pp.289-300, 2021 (SCI-Expanded)

- XVII. **Comparative analysis of kernel-based versus ANN and deep learning methods in monthly reference evapotranspiration estimation**
Sattari M. T., APAYDIN H., Band S. S., Mosavi A., Prasad R.
HYDROLOGY AND EARTH SYSTEM SCIENCES, vol.25, no.2, pp.603-618, 2021 (SCI-Expanded)
- XVIII. **A Multistage Hybrid Model ICEEMDAN-SE-VMD-RDPG for a Multivariate Solar Irradiance Forecasting**
Sibtain M., Li X., Saleem S., Qurat-Ul-Ain Q., Asad M. S., Tahir T., APAYDIN H.
IEEE ACCESS, vol.9, pp.37334-37363, 2021 (SCI-Expanded)
- XIX. **Soil Temperature Estimation with Meteorological Parameters by Using Tree-Based Hybrid Data Mining Models**
Sattari M. T., Avram A., APAYDIN H., Matei O.
MATHEMATICS, vol.8, no.9, 2020 (SCI-Expanded)
- XX. **Estimation of sodium adsorption ratio in a river with kernel-based and decision-tree models**
Sattari M. T., Feizi H., ÇOLAK M. S., ÖZTÜRK A., APAYDIN H., Ozturk F.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, no.9, 2020 (SCI-Expanded)
- XXI. **Performance Evaluation of Deep Learning-Based Gated Recurrent Units (GRUs) and Tree-Based Models for Estimating ETo by Using Limited Meteorological Variables**
Sattari M. T., APAYDIN H., Shamshirband S.
MATHEMATICS, vol.8, no.6, 2020 (SCI-Expanded)
- XXII. **Comparative Analysis of Recurrent Neural Network Architectures for Reservoir Inflow Forecasting**
APAYDIN H., Feizi H., Sattari M. T., ÇOLAK M. S., Shamshirband S., Chau K.
WATER, vol.12, no.5, 2020 (SCI-Expanded)
- XXIII. **Deep-learning GIS hybrid approach in precipitation modeling based on spatio-temporal variables in the coastal zone of Turkey**
APAYDIN H., Sattari M. T.
CLIMATE RESEARCH, vol.81, pp.149-165, 2020 (SCI-Expanded)
- XXIV. **M5 model tree application in daily river flow forecasting in Sohu Stream, Turkey**
Sattari M. T., Pal M., APAYDIN H., Ozturk F.
WATER RESOURCES, vol.40, no.3, pp.233-242, 2013 (SCI-Expanded)
- XXV. **Stochastic operation analysis of irrigation reservoir in low-flow conditions: a case study from Eleviyan Reservoir, Iran**
Sattari M. T., APAYDIN H., Ozturk F.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.37, no.5, pp.613-622, 2013 (SCI-Expanded)
- XXVI. **Flow estimations for the Sohu Stream using artificial neural networks**
Sattari M. T., APAYDIN H., Ozturk F.
ENVIRONMENTAL EARTH SCIENCES, vol.66, no.7, pp.2031-2045, 2012 (SCI-Expanded)
- XXVII. **Decision trees to determine the possible drought periods in Ankara**
Sattari M. T., Anli A. S., APAYDIN H., Kodal S.
ATMOSPHERA, vol.25, no.1, pp.65-83, 2012 (SCI-Expanded)
- XXVIII. **Application of a data mining approach to derive operating rules for the Eleviyan irrigation reservoir**
Sattari M. T., APAYDIN H., Ozturk F., BAYKAL N.
LAKE AND RESERVOIR MANAGEMENT, vol.28, no.2, pp.142-152, 2012 (SCI-Expanded)
- XXIX. **Evaluation of topographical and geographical effects on some climatic parameters in the Central Anatolia Region of Turkey**
APAYDIN H., ANLI A. S., Ozturk F.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.31, no.9, pp.1264-1279, 2011 (SCI-Expanded)
- XXX. **Review. Advances in the management of the wastewater in Turkey: natural treatments or constructed wetlands**
ÇAKMAK B., APAYDIN H.
SPANISH JOURNAL OF AGRICULTURAL RESEARCH, vol.8, no.1, pp.188-201, 2010 (SCI-Expanded)
- XXXI. **Operation analysis of Eleviyan irrigation reservoir dam by optimization and stochastic simulation**
Sattari M. T., APAYDIN H., Ozturk F.

- STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.23, no.8, pp.1187-1201, 2009 (SCI-Expanded)
- XXXII. **Regional Frequency Analysis of the Annual Maximum Precipitation Observed In Trabzon Province**
ANLI A. S., APAYDIN H., Ozturk F.
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BILIMLERI DERGISI, vol.15, no.3, pp.240-248, 2009 (SCI-Expanded)
- XXXIII. **Evaluation of flow and water quality monitoring network design by using Digital Elevation Model (DEM) in the GAP region of Turkey**
APAYDIN H., Ozturk F., Merdun H.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, no.3, pp.272-277, 2007 (SCI-Expanded)
- XXXIV. **Evaluation of indices for characterizing the distribution and concentration of precipitation: A case for the region of Southeastern Anatolia Project, Turkey**
APAYDIN H., Erpul G., Bayramin I., Gabriels D.
JOURNAL OF HYDROLOGY, vol.328, no.3-4, pp.726-732, 2006 (SCI-Expanded)
- XXXV. **The temporal transferability of calibrated parameters of a hydrological model**
APAYDIN H., Anli A., ÖZTÜRK A.
ECOLOGICAL MODELLING, vol.195, no.3-4, pp.307-317, 2006 (SCI-Expanded)
- XXXVI. **Determination of the drainage basin characteristics using vector GIS**
APAYDIN H., Ozturk F., Merdun H., Aziz N. M.
NORDIC HYDROLOGY, vol.37, no.2, pp.129-142, 2006 (SCI-Expanded)
- XXXVII. **Graphical method for determining lateral and manifold pipe diameters in drip irrigation**
APAYDIN H., Yildirim O.
IRRIGATION AND DRAINAGE, vol.54, no.2, pp.145-154, 2005 (SCI-Expanded)
- XXXVIII. **Spatial interpolation techniques for climate data in the GAP region in Turkey**
APAYDIN H., Sonmez F., Yildirim Y.
CLIMATE RESEARCH, vol.28, no.1, pp.31-40, 2004 (SCI-Expanded)
- XXXIX. **Estimating pan evaporation from limited meteorological observations from Turkey**
Ozturk F., APAYDIN H.
WATER INTERNATIONAL, vol.23, no.3, pp.184-189, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **Cost-effectiveness of Hydroelectric Turbines and Pumps as an Alternative to Pressure-Reducing Valves for Electricity Production in Irrigation Lines in Turkey**
Dagdelen E., APAYDIN H.
WATER CONSERVATION SCIENCE AND ENGINEERING, vol.9, no.2, 2024 (ESCI)
- II. **A comparative study of different optimization algorithms for the optimum operation of the Mahabad dam reservoir**
Feizi H., Sattari M. T., APAYDIN H.
Results in Engineering, vol.21, 2024 (ESCI)
- III. **Application of data driven models in estimating daily reference evapotranspiration in a coastal region**
Sattari M. T., APAYDIN H.
INTERNATIONAL JOURNAL OF SUSTAINABLE AGRICULTURAL MANAGEMENT AND INFORMATICS, vol.10, no.3, pp.296-326, 2024 (ESCI)
- IV. **Evaluation of Combined Agricultural Drought Index (CDI), Prediction Methods Based on Satellite Images via Deep Learning and Machine Learning Approaches**
Sattari M. T., Apaydin H., Shamloo N., Kameran K. V.
JOURNAL OF WATER AND SOIL, vol.37, no.5, pp.787-807, 2023 (Peer-Reviewed Journal)
- V. **Determination of the working performance of a new fertigation system developed for hose reel**

irrigation machine

POLAT T., ÇOLAK A., DAYIOĞLU M. A., APAYDIN H.

Soil Studies, vol.11, no.1, pp.12-18, 2022 (Peer-Reviewed Journal)

- VI. **Mathematical Based Implicit and Explicit Finite Difference Techniques for Solving the Ground Water Flow Equations Using Spreadsheets**
Salmasi F., Sattari M. T., APAYDIN H.
International Journal of Mathematical Sciences and Computing, vol.8, no.4, pp.1-14, 2022 (Peer-Reviewed Journal)
- VII. **Modelling of Bektas Creek Daily Streamflow with Generalized Regression Neural Network Method**
Fatma A., Apaydın H.
International Journal of Advances in Scientific Research and Engineering, vol.6, no.02, pp.97-103, 2020 (Peer-Reviewed Journal)
- VIII. **Estimation of Drought by Streamflow Drought Index (SDI) and Artificial Neural Networks (ANNs) in Ankara-Nallihan Region**
Eroğluer T., Apaydın H.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.8, no.2, pp.348, 2020 (Peer-Reviewed Journal)
- IX. **Stochastic Modeling of Suspended Sediment from Yesilirmak Basin, Turkey.**
Yürekli K., Apaydın H.
International J. of Natural and Engineering Sciences, vol.2, no.1, pp.21-27, 2008 (Peer-Reviewed Journal)
- X. **Kurukavak Deresi Havzasında Yüzey Akış ve Sediment Miktarının AGNPS Modeli ile Tahmini**
ÖZTÜRK F., SÖNMEZ F. K., YILDIRIM Y. E., BAYRAMİN İ., APAYDIN H., KARAŞ E.
Tarım Bilimleri Dergisi-Journal Of Agricultural Sciences, vol.9, no.3, pp.344-351, 2003 (Peer-Reviewed Journal)
- XI. **Yüzey akış ve sediment modellerinin coğrafi bilgi sistemi yardımıyla uygulanması**
APAYDIN H., ÖZTÜRK F.
Tarım Bilimleri Dergisi-Journal Of Agricultural Sciences, vol.9, no.4, pp.381-389, 2003 (Peer-Reviewed Journal)
- XII. **Suspended sediment loads through flood events for streams of Sakarya River basin Sakarya Havzasında Taşkınlarla Taşınan Asili Sediment Miktarları**
Öztürk F., APAYDIN H., Walling D. E.
Turkish Journal of Engineering and Environmental Sciences, vol.25, no.6, pp.643-650, 2001 (Scopus)
- XIII. **Suspended sediment loads through flood events for streams of Sakarya River basin**
APAYDIN H., ÖZTÜRK F.
Turkish Journal of Engineering and Environmental Sciences, vol.25, no.6, pp.643-650, 2001 (Peer-Reviewed Journal)
- XIV. **Sulama şebekelerindeki sanat yapılarının yeterliliğinin belirlenmesi**
APAYDIN H., ÖZTÜRK F.
Tarım Bilimleri Dergisi-Journal Of Agricultural Sciences, vol.3, no.2, pp.52-58, 1997 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Modeling and Prediction of Meteorological Parameters Using the Arima and LSTM Methods: Sivas Province Case**
Çetintaş A. O., Apaydın H.
in: Novel Intelligent Digital Systems, Katerina Kabassi, Phivos Mylonas, Jaime Caro, Editor, Springer, London/Berlin, Athens, pp.250-261, 2023
- II. **Daily Streamflow Modelling in the Nalli River Using Recurrent Neural Networks**
APAYDIN H., Feizi H., Fatma A., Sattari M. T.
in: New Technologies, Development and Application V, , Editor, Springer, pp.813-822, 2022
- III. **Bilgisayar Uygulamaları**
ÖZTÜRK A., APAYDIN H.
Ankara Üniversitesi, Ankara, 2003

- IV. **Uygulamalarla Excel 97**
APAYDIN H., ÖZTÜRK A.
Pusula, 1999
- V. **Excel 97**
APAYDIN H., ÖZTÜRK A.
Pusula, 1999
- VI. **Kim korkar Excel'den**
APAYDIN H., ÖZTÜRK A.
Pusula, 1997

Refereed Congress / Symposium Publications in Proceedings

- I. **Alan editörü ve hakem atamaları hakkında bilinmesi gerekenler**
APAYDIN H.
Fen Bilimlerinde Makale Yazımı ve Değerlendirme Süreçleri Sempozyumu, Edirne, Turkey, 12 December 2022
- II. **Dergi isteklerine yaklaşım**
APAYDIN H.
Fen Bilimlerinde Makale Yazımı ve Değerlendirme Süreçleri Sempozyumu, Edirne, Turkey, 12 December 2022
- III. **Daily Streamflow Modelling in the Nalli River Using Recurrent Neural Networks**
APAYDIN H., Feizi H., Akcakoca F., Sattari M. T.
International Conference on New Technologies, Development and Application, 2022, Sarajevo, Bosnia And Herzegovina, 23 - 25 June 2022, vol.472 LNNS, pp.813-822
- IV. **Drought Monitoring-Evaluation and Forecast**
Akçakoca F., Apaydın H., Öztürk A., Çolak M. S.
EJONS 12th INTERNATIONAL CONGRESS ON MATHEMATIC, ENGINEERING AND NATURAL SCIENCES July 9-11, 2021. Paris, FRANCE., Paris, France, 9 - 11 July 2021, pp.1-18
- V. **Machines Used In Installation Of Agricultural Drainage Systems**
ÖZTÜRK A., ÇOLAK M. S., APAYDIN H., AKÇAKOCA F.
Mas 14th International European Conference On Mathematics, Engineering, Natural & Medical Sciences March 26-28, 2021 / Széchenyi István University, Hungary., Hungary, 26 - 28 March 2021, pp.50-59
- VI. **Ardışık Geçmiş Akım Ve Yapay Sinir Ağları Kullanarak Günlük Akımların Tahmini**
APAYDIN H., Fatma A.
Ankara II. Uluslararası Bilimsel Araştırmalar Kongresi, Ankara, Turkey, 06 March 2020
- VII. **Kuraklığın Değerlendirilmesi Açısından Standart Yağış İndeksi SPI ve Standart Yağış Evapotranspirasyon İndeksi SPEI Yöntemlerinin Ege Bölgesi Şehirlerinde Karşılaştırılması Sözlü Bildiri**
ANLI A. S., POLAT H. E., APAYDIN H., SELENAY M. F., ÖZTÜRK F.
12. Ulusal Kültürteknik Sempozyumu, Tekirdağ, Turkey, 21 - 23 May 2014, pp.75
- VIII. **Regional Frequency Analysis of Various Rainfall Data in Ankara Province, Turkey, with Index-Storm Method**
Anlı A. S., Apaydın H., Yürekli K.
EMS2011-77, 11th EMS / 10th European Conference of Application on Meteorology, Berlin, Germany, 12 - 16 September 2011, vol.8, pp.100-101
- IX. **Regional Frequency Analysis for Annual Rainfall Totals of Konya Closed Basin in Turkey**
APAYDIN H., ANLI A. S.
5th Atmospheric Science Symposium, İstanbul, Turkey, 29 - 30 April 2011
- X. **Performance Evaluation of AGNPS Model on Steep Slopes by means of GIS**
APAYDIN H., ÖZTÜRK F.
4th BALWOIS Conference on water observation and information system for decision support, Ohrid, Macedonia, 25 - 27 May 2010

- XI. **Samsun İlinde Gözlenen Ekstrem Yağışların Gösterge Taşkın Yöntemi ile Bölgeselleştirilmesi**
Anlı A. S., Yürekli K., Apaydın H.
V. Su forumu, Sel, Taşkın ve Heyelan Konferansları, Samsun, Turkey, 24 - 25 July 2008, pp.100-101
- XII. **Regional Flood Frequency Estimation For the Göksu River Basin Through L-Moments.**
APAYDIN H., ÖZTÜRK F., ANLI A. S.
International Congress on River Basin Management, Antalya, Turkey, 22 - 24 March 2007
- XIII. **Rize'de İklimin Tarımsal Yönden Özellikleri.**
APAYDIN H., ÖZTÜRK F.
1. Rize Sempozyumu, Rize, Turkey, 16 - 18 November 2006
- XIV. **Advanced Methods Applied In Regional Flood Frequency Analysis.**
APAYDIN H., ÖZTÜRK F., ANLI A. S.
The 3rd International Conference on the Water Resources in the Mediterranean Basin (WATMED 3), Lebanon, 1 - 03 November 2006
- XV. **Aksu Havzası Taşkın Debilerinin Tekrarlanma Süreleri.**
APAYDIN H., ANLI A. S., ÖZTÜRK F.
I Ulusal Taşkın Sempozyumu, Ankara, Turkey, 10 - 12 May 2006
- XVI. **Hidrolojik modeller.**
APAYDIN H., ÖZTÜRK F.
2. Ulusal Sulama Kongresi, Turkey, 16 - 19 October 2003
- XVII. **Yüzey akış miktarının bilgisayar ortamında belirlenmesi.**
APAYDIN H., ÖZTÜRK A.
1. Ulusal Sulama Kongresi, Turkey, 8 - 11 November 2001
- XVIII. **Sakarya havzasında akarsu debisi ve taşınan süspansediment miktarının mevsimlere göre değişimi.**
APAYDIN H., ÖZTÜRK F.
VII. Kültürteknik Kongresi, Turkey, 11 - 14 November 1999
- XIX. **Yağmurlama sulama sistemlerinin bilgisayar destekli tasarımı.**
APAYDIN H., ÖZTÜRK F.
6. Ulusal Kültürteknik Kongres, Turkey, 08 June 1997
- XX. **Coğrafi bilgi sistemi yardımıyla Üiversal Toprak Kaybı Eşitliği'xxndeki topografik faktörün hesaplanması.**
APAYDIN H., ÖZTÜRK F.
6. Ulusal Kültürteknik Kongresi, Turkey, 5 - 08 June 1997
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APAYDIN H., TUBITAK Project, Sohu Deresi Havzasında Yapay Sinir Ağları Yardımıyla Kısa Süreli Yağış-akış İlişkisinin Modellenmesi, 2008 - 2009

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Congress and Symposium Activities

4th Italian Meeting on Probability and Mathematical Statistics , Attendee, Rome, Italy, 2024

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Project based Mevlana Exchange programme, Attendee, Tabriz, Iran, 2019

NovaTech 2013, 8th International Conference on Sustainable Management of Water, Attendee, Lyon, France, 2013

Agritechnica , Attendee, Hannover, Germany, 2011

Conference on Water Observation and Information System for Decision Support, Attendee, Ohrid, Macedonia, 2010

Effects of Global Warming to African Agro-ecology, Attendee, Al Khartum, Sudan, 2009

International Centre for Theoretical Physics, Attendee, Trieste, Italy, 2007

8th European Conference on Applications of Meteorology, Attendee, Madrid, Spain, 2007

2nd International Course on Protected Cultivation of Crops, Attendee, Tel-Aviv-Yafo, Israel, 1998