

Prof. HALİT APAYDIN

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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

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 Positions

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

Postgraduate

Kültürteknikte Uzaktan Algılama, Postgraduate, 2023 - 2024, 2021 - 2022
Kültürteknikte Yapay Zeka Uygulamaları, Postgraduate, 2022 - 2023, 2021 - 2022
Mühendislik Hidrolojisi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Undergraduate

Hidroloji, Undergraduate, 2023 - 2024, 2022 - 2023
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
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

Supervised 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

Journal articles indexed in SCI, SSCI, and AHCI

- I. **A nature-inspired and noise-assisted feature extraction integrating spatiotemporal attention-based sequence2sequence for multivariate wind speed prediction**
Sibtain M., Li X., Saleem S., Qurat-ul-Ain Q., Shi Q., Li F., APAYDIN H.
Stochastic Environmental Research and Risk Assessment, vol.39, no.1, pp.343-359, 2025 (SCI-Expanded)
- II. **An integrated artificial intelligence-deep learning approach for vegetation canopy assessment and monitoring through satellite images**
Shamloo N., Sattari M. T., Kamran K. V., APAYDIN H.
Stochastic Environmental Research and Risk Assessment, 2025 (SCI-Expanded)
- III. **Kernel-Based Versus Tree-Based Data-Driven Models: On Applying Suspended Sediment Load Estimation**
Sattari M. T., APAYDIN H., Milweski A.

WATER, vol.16, no.20, 2024 (SCI-Expanded)

- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **An image-based deep learning model for water turbidity estimation in laboratory conditions**
Feizi H., Sattari M. T., Mosaferi M., Apaydin H.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.20, no.1, pp.149-160, 2023 (SCI-Expanded)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)

- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)
- XLI. **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. **Modeling Flood Susceptibility Utilizing Advanced Ensemble Machine Learning Techniques in the Marand Plain**
 Asghar Rostami A., Taghi Sattari M., APAYDIN H., Milewski A.
 Geosciences (Switzerland), vol.15, no.3, 2025 (ESCI)
- II. **Groundwater quality mapping based on the Wilcox Classification method for agricultural purposes: Qazvin Plain aquifer case**
 Sattari M. T., Kamrani Y., Javidan S., Attar N. F., APAYDIN H.
 Turkish Journal of Engineering, vol.9, no.1, pp.116-128, 2025 (Scopus)

- III. **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)
- IV. **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)
- V. **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)
- VI. **Evaluation of Combined Agricultural Drought Index (CDI), Prediction Methods Based on Satellite Images via Deep Learning and Machine Learning Approaches**
Sattari M. T., Apaydın H., Shamloo N., Kameran K. V.
JOURNAL OF WATER AND SOIL, vol.37, no.5, pp.787-807, 2023 (Peer-Reviewed Journal)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **Kurukavak Deresi Havzasında Yüzey Akış ve Sediment Miktarının AGNPS Modeli ile Tahmini**
ÖZTÜRK F., SÖNMEZ F. K., YILDIRIM Y. E., BAYRAMIN İ., APAYDIN H., KARAŞ E.
Tarım Bilimleri Dergisi-Journal Of Agricultural Sciences, vol.9, no.3, pp.344-351, 2003 (Peer-Reviewed Journal)
- XIII. **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)
- XIV. **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)
- XV. **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)

XVI. 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

- 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

Papers Presented at Peer-Reviewed Scientific Conferences

- I. ANKARA BÖLGESİNDE EN YÜKSEK DOMATES VERİMİNİ SAĞLAYAN OPTİMUM SULAMANIN DSSAT İLE MODELLENMESİ**
SALEH A. A. R. E., TORUN E., APAYDIN H.
BALKAN 12TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, üsküp, Macedonia, 01 November 2024, pp.91-105, (Full Text)
- II. Alan editörü ve hakem atamaları hakkında bilinmesi gerekenler**
APAYDIN H.
Fen Bilimlerinde Makale Yazımı ve Değerlendirme Süreçleri Sempozyumu, Edirne, Turkey, 12 December 2022, (Full Text)
- III. Dergi isteklerine yaklaşım**
APAYDIN H.
Fen Bilimlerinde Makale Yazımı ve Değerlendirme Süreçleri Sempozyumu, Edirne, Turkey, 12 December 2022, (Full Text)
- IV. 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, (Full Text)
- V. 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, (Full Text)

- VI. **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, (Full Text)
- VII. **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, (Full Text)
- VIII. **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, (Summary Text)
- IX. **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, (Full Text)
- X. **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, (Full Text)
- XI. **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, (Full Text)
- XII. **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, (Full Text)
- XIII. **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, (Full Text)
- XIV. **Rize'de İklimin Tarımsal Yönden Özellikleri.**
APAYDIN H., ÖZTÜRK F.
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- XV. **Advanced Methods Applied In Regional Flood Frequency Analysis.**
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