



ERDEM KÜÇÜKTOPCU

ASSOC. PROF.

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Address : Ondokuz Mayıs Üniversitesi, Ziraat Fakültesi, C Blok,
Tarımsal Yapılar ve Sulama, 55139, Samsun, Türkiye

International Researcher IDs

ScholarID: 076JFTwAAAAJ

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Publons / Web Of Science ResearcherID: ABA-5376-2021

ScopusID: 56541733100

Yoksis Researcher ID: 124856



Learning Knowledge

Doctorate 2016 - 2021	Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Tarımsal Yapılar Ve Sulama (Dr), Turkey
Postgraduate 2014 - 2016	Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (YI) (Tezli), Turkey
Undergraduate 2008 - 2012	Kahramanmaraş Sutcu Imam University, Ziraat Fakültesi, Ziraat Mühendisliği Bölümü, Turkey
Associate Degree 2005 - 2008	Kocaeli University, Karamürsel Denizcilik Meslek Yüksekokulu, Gemi İnşaatı, Turkey

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, Getting Started with Neural Networks, Analytics Vidhya, 2022

Vocational Training, Elsevier Turkey Webinar - Increasing Effective Research Collaborations with Mendeley Groups, TUBITAK ULAKBİM EKUAL, 2020

Vocational Training, Elsevier Turkey Webinar - Efficient Literature Search, TUBITAK ULAKBİM EKUAL, 2020

Vocational Training, Elsevier Turkey Webinar - Efficient Journal Selection (Physical Sciences), TUBITAK ULAKBİM EKUAL, 2020

Vocational Training, Elsevier Turkey Webinar - Efficient Research Area Discovery (Physical Sciences), TUBITAK ULAKBIM EKUAL, 2020
Occupational Health and Safety, İş Sağlığı ve Güvenliği, Ondokuz Mayıs Üniversitesi, 2020
Vocational Training, Eğiticinin Eğitimi, İstanbul İşletme Enstitüsü, 2019
Vocational Training, Certified Peer Reviewer Course Assessment, Elsevier, 2019
Foreign Language, Yabancı Dil Eğitim Sertifikası, Selçuk Üniversitesi, 2013

Dissertations

Doctorate, Kümes içi çevre koşullarının belirlenmesinde deterministik ve stokastik yöntemlerin kullanımı, Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Tarımsal Yapılar Ve Sulama (Dr), 2021
Postgraduate, Hesaplamalı akışkanlar dinamiği (HAD) kullanarak kümes içi çevre koşullarının belirlenmesi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (Yl) (Tezli), 2016

Academic Titles / Tasks

Associate Professor 2023 - Continues	Ondokuz Mayıs University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama Bölümü
Research Assistant 2013 - Continues	Ondokuz Mayıs University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama Bölümü
Research Assistant 2012 - 2013	Kahramanmaraş Sutcu Imam University, Fen Bilimleri Enstitüsü, Biyosistem Mühendisliği

Supported Projects

- Küçüktopcu E., Cemek B., TUBITAK Project, Hava Akışı Düşme Mesafesinin Tahmininde Yeni Yaklaşımlar: Yapay Sinir Ağları ve Hesaplamalı Akışkanlar Dinamiği, 2024 - 2025
- Cemek B., Küçüktopcu E., Project Supported by Higher Education Institutions, Kümes içi çevre koşullarının belirlenmesinde deterministik ve stokastik yöntemlerin kullanımı, 2018 - 2020
- Cemek B., TUBITAK Project, Broiler Kümesinde İç Ortam Çevre Koşullarının Sayısal Analizi, 2016 - 2017
- KÜÇÜKTOPCU E., Samsun'da Arazi Toplulaştırma Uygulamalarının Geliştirilmesi, 2016 - 2016

Awards

- Küçüktopcu E., Üstün Başarı, Türk Eğitim Vakfı, September 2012
- Küçüktopcu E., Fakülte Birinciliği,, Kahramanmaraş Sütçü İmam Üniversitesi, June 2012

Scholarships

Lisans Bursu, Foundation, 2010 - 2012

1. **Comparative analysis of single and hybrid machine learning models for daily solar radiation**
Küçüktopcu E., Cemek B., Simsek H.
ENERGY REPORTS, vol.11, pp.3256-3266, 2024 (SCI-Expanded)
2. **Modeling Environmental Conditions in Poultry Production: Computational Fluid Dynamics Approach**
Küçüktopcu E., Cemek B., Simsek H.
ANIMALS, vol.14, no.3, pp.1-21, 2024 (SCI-Expanded)
3. **Application of Mamdani Fuzzy Inference System in Poultry Weight Estimation**
Küçüktopcu E., Cemek B., Simsek H.
ANIMALS, vol.13, no.15, 2023 (SCI-Expanded)
4. **Hybrid Statistical and Machine Learning Methods for Daily Evapotranspiration Modeling**
Küçüktopcu E., Cemek E., Cemek B., Simsek H.
SUSTAINABILITY, vol.15, no.7, 2023 (SCI-Expanded)
5. **Comparison of machine learning techniques and spatial distribution of daily reference evapotranspiration in Türkiye**
Yildirim D., Küçüktopcu E., Cemek B., Simsek H.
APPLIED WATER SCIENCE, vol.13, no.4, 2023 (SCI-Expanded)
6. **Comparative Analysis of Data-Driven Techniques to Predict Heating and Cooling Energy Requirements of Poultry Buildings**
Küçüktopcu E.
BUILDINGS, vol.13, no.1, 2023 (SCI-Expanded)
7. **A comparison of deterministic and stochastic models for predicting air and litter properties in a broiler building**
Küçüktopcu E., Cemek B.
International Journal of Environmental Science and Technology, vol.19, no.12, pp.12369-12384, 2022 (SCI-Expanded)
8. **Comparative analysis of machine learning techniques for estimating groundwater deuterium and oxygen-18 isotopes**
Cemek B., Arslan H., Küçüktopcu E., Simsek H.
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.36, no.12, pp.4271-4285, 2022 (SCI-Expanded)
9. **Hyperspectral Image Data and Waveband Indexing Methods to Estimate Nutrient Concentration on Lettuce (*Lactuca sativa* L.) Cultivars**
Eshkabilov S., Stenger J., Knutson E. N., Küçüktopcu E., Simsek H., Lee C. W.
SENSORS, vol.22, no.21, 2022 (SCI-Expanded)
10. **Application of Spatial Analysis to Determine the Effect of Insulation Thickness on Energy Efficiency and Cost Savings for Cold Storage**
Küçüktopcu E., Cemek B., Simsek H.
PROCESSES, vol.10, no.11, 2022 (SCI-Expanded)
11. **Computational Fluid Dynamics Modeling of a Broiler House Microclimate in Summer and Winter**
Küçüktopcu E., Cemek B., Simsek H., Ni J.
ANIMALS, vol.12, no.7, 2022 (SCI-Expanded)
12. **Deep Learning Models to Determine Nutrient Concentration in Hydroponically Grown Lettuce Cultivars (*Lactuca sativa* L.)**
Ahsan M., Eshkabilov S., Cemek B., Küçüktopcu E., Lee C. W., Simsek H.
SUSTAINABILITY, vol.14, no.1, 2022 (SCI-Expanded)
13. **The Economic and Environmental Impact of Greenhouse Heating Pipe Insulation**
Küçüktopcu E., Cemek B., Simsek H.
SUSTAINABILITY, vol.14, no.1, 2022 (SCI-Expanded)
14. **Comparison of neuro-fuzzy and neural networks techniques for estimating ammonia concentration in poultry farms**

- Küçüktopcu E., Cemek B.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.9, no.4, 2021 (SCI-Expanded)
15. **The use of artificial neural networks to estimate optimum insulation thickness, energy savings, and carbon dioxide emissions**
Küçüktopcu E., Cemek B.
Environmental Progress and Sustainable Energy, vol.40, no.1, 2021 (SCI-Expanded)
 16. **Leaf area modeling of bell pepper (*Capsicum annuum* L.) grown under different stress conditions by soft computing approaches**
Cemek B., Ünlükara A., Kurunç A., Küçüktopcu E.
Computers and Electronics in Agriculture, vol.174, 2020 (SCI-Expanded)
 17. **Evaluating the influence of turbulence models used in computational fluid dynamics for the prediction of airflows inside poultry houses**
Küçüktopcu E., Cemek B.
Biosystems Engineering, vol.183, pp.1-12, 2019 (SCI-Expanded)
 18. **Modelling indoor environmental conditions in a commercial broiler house**
Küçüktopcu E., Cemek B.
Tarım Bilimleri Dergisi, vol.25, no.4, pp.440-448, 2019 (SCI-Expanded)
 19. **Modelling of the leaf area for various pear cultivars using neuro computing approaches**
Öztürk A., Cemek B., Demirsoy H., Küçüktopcu E.
SPANISH JOURNAL OF AGRICULTURAL RESEARCH, vol.17, no.4, 2019 (SCI-Expanded)
 20. **A study on environmental impact of insulation thickness of poultry building walls**
Küçüktopcu E., Cemek B.
Energy, vol.150, pp.583-590, 2018 (SCI-Expanded)
 21. **Estimation of daily reference evapotranspiration by neuro computing techniques using limited data in a semi-arid environment**
Banda P., Cemek B., Küçüktopcu E.
ARCHIVES OF AGRONOMY AND SOIL SCIENCE, vol.64, no.7, pp.916-929, 2018 (SCI-Expanded)

Articles Published in Other Journals

1. **Computational Fluid Dynamics Modeling of Environmental Conditions in A Naturally Ventilated Free-Stall Dairy Barn**
Küçüktopcu E., Uzal Seyfi S., Mustaqimah M., Cemek B.
Gaziosmanpaşa Üniversitesi Ziraat Fakültesi Dergisi, vol.39, no.3, pp.176-184, 2022 (Peer-Reviewed Journal)
2. **Temporal And Spatial Analysis of Risky Sites for Livestock Production in Somalia**
Jibril Mohamed M., Cemek B., Küçüktopcu E.
DAHA INTERNATIONAL UNIVERSITY ACADEMIC JOURNAL, vol.1, no.2, pp.80-106, 2022 (Peer-Reviewed Journal)
3. **Drought Analysis in Somalia Using GIS - Based on Reconnaissance Drought Index (RDI) and Standardized Precipitation Index (SPI)**
Jibril Mohamed M., Cemek B., Küçüktopcu E., Abdullahi Omar A., Mohamud Hassan S.
AFRICAN JOURNAL OF CLIMATE CHANGE AND RESOURCE SUSTAINABILITY, vol.1, no.1, pp.62-75, 2022 (Peer-Reviewed Journal)
4. **Determination of Hidden Condensation on The Exterior Walls of The Poultry Farm Using Finite Element Method**
Küçüktopcu E., Cemek B.
Gaziosmanpaşa Üniversitesi Ziraat Fakültesi Dergisi, vol.38, no.3, pp.132-136, 2021 (Peer-Reviewed Journal)
5. **Comparative Analysis of Artificial Intelligence and Nonlinear Models for Broiler Growth Curve**
Küçüktopcu E., Cemek B.
Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, vol.7, no.3, pp.515-523, 2021 (Peer-Reviewed Journal)
6. **Monitoring poultry barns thermal problems using thermal cameras**

- Küçüktopcu E., Cemek B.
Anadolu Tarım Bilimleri Dergisi, vol.35, no.3, pp.404-409, 2020 (Peer-Reviewed Journal)
7. **The determination of optimum thermal insulation thickness for external walls of laying hens building**
Küçüktopcu E., Cemek B.
Anadolu Tarım Bilimleri Dergisi, vol.34, no.3, pp.327-335, 2019 (Peer-Reviewed Journal)
8. **Investigating the Suitability of Drainage Channels Water for Irrigation in Bafra Plain**
Cemek B., Küçüktopcu E., Güler K.
Turkish Journal of Water Science and Management, vol.3, no.2, pp.28-43, 2019 (Peer-Reviewed Journal)
9. **Estimation of Daily Evaporation Using Fuzzy Artificial Neural Network (ANFIS) and Multilayer Artificial Neural Network System (YSA)**
Yıldırım D., Cemek B., Küçüktopcu E.
Toprak Su Dergisi, vol.0, no.(), pp.24-31, 2019 (Peer-Reviewed Journal)
10. **The determination of optimum thermal insulation thickness for external walls of laying hen houses**
Küçüktopcu E., Cemek B.
Anadolu Tarım Bilimleri Dergisi, vol.34, no.3, pp.327-335, 2019 (Peer-Reviewed Journal)
11. **Evaluation of temperature distribution in different greenhouse models using computational fluid dynamics (CFD)**
Cemek B., Atış A., Küçüktopcu E.
Anadolu Tarım Bilimleri Dergisi, vol.32, no.1, pp.54, 2017 (Peer-Reviewed Journal)
12. **Determination of poultry house indoor heating and cooling days using degree-day method**
Küçüktopcu E., Cemek B., Banda P.
Agronomy Research, vol.15, no.3, pp.760-766, 2017 (Scopus)
13. **Determination of spatial distribution of ammonia levels in broiler houses**
Cemek B., Küçüktopcu E., Demir Y.
Agronomy Research, vol.14, no.2, pp.359-366, 2016 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

1. **Neurocomputing Approaches for Goat Body Weight Estimation**
Küçüktopcu E., Aydın K. B., Cemek B., Ulutaş Z.
IV INTERNATIONAL SYMPOSIUM FOR AGRICULTURE AND FOOD, Ohrid, Macedonia, 12 November 2022, vol.1, pp.294
2. **Estimation of solar radiation data using soft computing methods and wavelet transform**
Cemek B., Cemek E., Küçüktopcu E.
10th International Hybrid Symposium on Atmospheric Sciences, İstanbul, Turkey, 18 - 21 October 2022, pp.32
3. **Growing degree days for various crops in Somalia**
Jibril Mohamed M., Cemek B., Küçüktopcu E.
10th International Hybrid Symposium on Atmospheric Sciences, İstanbul, Turkey, 18 - 21 October 2022
4. **Computational fluid dynamics analysis for greenhouse with different ventilation openings and orientations in Samsun, Turkey**
Cemek B., Mustaqimah M., Küçüktopcu E., Gürdil G. A. K.
TAE 2022 - 8TH INTERNATIONAL CONFERENCE ON TRENDS IN AGRICULTURAL ENGINEERING, Praha, Czech Republic, 20 - 23 September 2022, pp.68-77
5. **Aylık Ortalama Yüzey Toprak Sıcaklığı Tahmini İçin Yapay Zeka Yöntemlerinin Performansının Meteorolojik Veriler Kullanılmadan Değerlendirilmesi**
Akın F., Cemek B., Küçüktopcu E.
International Congress and Workshop on Agricultural Structures and Irrigation, Diyarbakır, Turkey, 12 - 15 March 2022, pp.338
6. **Spatial Analysis of Temperature Humidity Index Used to Evaluate Risky Sites for Cattle Production in**

Sudan

Abdallah M. A., Cemek B., Küçüktopcu E.

9th International Symposium on Atmospheric Sciences (ATMOS 2019), İstanbul, Turkey, 23 - 26 October 2019, pp.238-243

7. **Evaluation of Some Spatial Climate Layers in Somalia Via GIS and Statistical Analysis Techniques**
Mohamed M. J., Cemek B., Küçüktopcu E.
9th International Symposium on Atmospheric Sciences (ATMOS 2019), İstanbul, Turkey, 23 - 26 October 2019, pp.627-635
8. **Spatial Estimation of Solar Radiation using Ordinary Kriging**
Cemek B., Küçüktopcu E., Akyüz A., Mustaqimah M.
9th International Symposium on Atmospheric Sciences (ATMOS 2019), İstanbul, Turkey, 23 - 26 October 2019, pp.271-278
9. **Spatial estimation of risky sites for cattle production in Samsun Turkey using temperature humidity index**
Cemek B., Küçüktopcu E.
The 2nd International UNIDOKAP Black Sea Symposium on BIODIVERSITY, Samsun, Turkey, 28 - 30 November 2018, pp.151-155
10. **Estimation of potential sheep heat stress in Samsun Turkey**
Cemek B., Küçüktopcu E.
The 2nd International UNIDOKAP Black Sea Symposium on BIODIVERSITY, Samsun, Turkey, 28 - 30 November 2018, pp.156-159
11. **Farklı bitkilerde büyüme derece günün belirlenmesi: Türkiye-Merzifon ilçesiörneği**
Cemek B., Küçüktopcu E.
International Conference on Multidisciplinary, Science, Engineering and Technology (IMESET'18 Dubai), Dubai, United Arab Emirates, 25 - 27 October 2018, pp.437-441
12. **Sera İçi İklim Koşullarının Belirlenmesinde Farklı Türbülans Modellerinin Karşılaştırılmalı Çözümü**
CEMEK B., KÜÇÜKTOPCU E.
1st International, 14th National Congress on Agricultural Structures and Irrigation, Antalya, Turkey, 26 - 28 September 2018, pp.481-489
13. **Modelling of Temperature Distribution in Exterior Wall Using Finite Element Method**
Cemek B., Küçüktopcu E.
1st International, 14th National Congress on Agricultural Structures and Irrigation, Antalya, Turkey, 26 - 28 September 2018, pp.107-111
14. **Samsun İli Angstrom Katsayıları ve Referans Evapotranspirasyonu**
Ünlükara A., Cemek B., Ahmed Osman A., Küçüktopcu E.
Uluslararası Su ve Çevre Kongresi, Bursa, Turkey, 22 - 24 March 2018, pp.2210
15. **Comparison Of Different Normalization Techniques For Ammonia Emission Estimation**
Cemek B., Küçüktopcu E.
Computational and Statistical Methods in Applied Sciences-COSTAS 2017, Samsun, Turkey, 9 - 11 November 2017, pp.178
16. **Estimation Of Soil Salinity By Artificial Neural Networks Of Grasspea (Lathyrus Sativus L.) Plant Grown In Greenhouse Conditions**
Taşan S., Şimşek H., Ünlükara A., Küçüktopcu E., Cemek B.
Computational and Statistical Methods in Applied Sciences COSTAS 2017, Samsun, Turkey, 9 - 11 November 2017, pp.273-274
17. **Estimation of Soil Temperature in The Middle Black Sea Region of Turkey by Artificial Neural Network**
Kara F., Cemek B., Küçüktopcu E.
International Conference on Computational and Statistical Methods in Applied Sciences COSTAS 2017, Samsun, Turkey, 9 - 11 November 2017
18. **Estimation of Soil Salinity for Grasspea (Lathyrus Sativus L.) Cultivar Using Artificial Neural**

Networks in Greenhouse Condition

TAŞAN S., ŞİMŞEK H., ÜNLÜKARA A., KÜÇÜKTOPÇU E., CEMEK B.

International Conference on Computational and Statistical Methods in Applied Sciences, Samsun, Turkey, 9 - 11 November 2017, pp.273-274

19. **Bulanık Yapay Sinir Ağları ve Çok Katmanlı Yapay Sinir Ağları ile Günlük Buharlaşma Tahmini**

Yıldırım D., Cemek B., Küçüktopcu E.

5. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, Kırklareli, Turkey, 12 - 15 September 2017, pp.240

20. **Estimation Of Ammonia Emissions Released From Broiler Litter Using Different Artificial Neural Network Models**

Cemek B., Küçüktopcu E., Banda P.

2nd ICSAE 2015 International Conference on Sustainable Agriculture and Environment, Konya, Turkey, 30 September - 03 October 2015, pp.186

21. **Spatial Analysis of Temperature and Humidity In Broiler Houses Having Different Litter Materials**

Cemek B., Küçüktopcu E., Demir Y.

2nd ICSAE 2015 International Conference on Sustainable Agriculture and Environment, Konya, Turkey, 30 September - 03 October 2015, pp.184

22. **Estimation of Field Capacity and Permanent Wilting Point Using Artificial Neural Networks**

Cemek B., Arslan H., Güler M., Küçüktopcu E.

2nd ICSAE 2015 International Conference on Sustainable Agriculture and Environment, Konya, Turkey, 30 September - 03 October 2015, pp.183

23. **Evaluation Of Various Turbulence Models Performance for Greenhouse Simulation**

Cemek B., Ashhan A., Küçüktopcu E.

The Second International Symposium on Agricultural Engineering (ISAE 2015), Belgrade, Serbia, 9 - 10 September 2015, vol.1, pp.39-51

Courses

Seralarda Modelleme, Postgraduate, 2023 - 2024

Meteoroloji, Undergraduate, 2023 - 2024

Kültürteknik, Undergraduate, 2023 - 2024

Sera Sulama Teknikleri, Associate Degree, 2022 - 2023

Activities in Scientific Journals

Düzce Üniversitesi Ziraat Fakültesi Dergisi, Scientific Committee Membership, 2024 - Continues

Scientific Refereeing

Artificial Intelligence and Applications , Other Indexed Journal, March 2024

Artificial Intelligence and Applications, Other Indexed Journal, March 2024

Results in Control and Optimization, SCI Journal, November 2023

SCIENTIFIC REPORTS, SCI Journal, November 2023

APPLIED SCIENCES, SCI Journal, November 2023

TURKISH JOURNAL OF AGRICULTURAL ENGINEERING RESEARCH, National Scientific Refreed Journal, November 2023

PROCESSES, SCI Journal, October 2023

SEPARATIONS, SCI Journal, October 2023

BUILDINGS, SCI Journal, September 2023

BUILDINGS, SCI Journal, September 2023

AGRONOMY, SCI Journal, August 2023
AGRICULTURE, SCI Journal, August 2023
APPLIED SCIENCES, SCI Journal, July 2023
SUSTAINABILITY, SCI Journal, July 2023
AGRONOMY, SCI Journal, July 2023
AGRICULTURE, SCI Journal, May 2023
MICROMACHINES, SCI Journal, May 2023
SUSTAINABILITY, SCI Journal, May 2023
ENVIRONMENTAL PROGRESS AND SUSTAINABLE ENERGY, SCI Journal, May 2023
SUSTAINABILITY, SCI Journal, April 2023
SUSTAINABILITY, SCI Journal, March 2023
LAND, SCI Journal, March 2023
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, SCI Journal, March 2023
ENERGIES, SCI Journal, February 2023
Journal of Soft Computing and Artificial Intelligence, National Scientific Refreed Journal, January 2023
AGRICULTURE, SCI Journal, January 2023
ENERGIES, SCI Journal, January 2023
SUSTAINABILITY, SCI Journal, January 2023
ENERGIES, SCI Journal, January 2023
SUSTAINABILITY, SCI Journal, January 2023
APPLIED SCIENCES, SCI Journal, December 2022
AGRICULTURE, SCI Journal, December 2022
ENG, Journal Indexed in ESCI, December 2022
ENERGY, SCI Journal, December 2022
SENSORS, SCI Journal, December 2022
BUILDINGS (BASEL), SCI Journal, December 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, November 2022
PROCESSES, SCI Journal, November 2022
SUSTAINABILITY, SCI Journal, November 2022
SUSTAINABILITY, SCI Journal, November 2022
APPLIED SCIENCES, SCI Journal, November 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, October 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, October 2022
SUSTAINABILITY, SCI Journal, October 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, October 2022
PROCESSES, SCI Journal, October 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, October 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, September 2022
APPLIED SCIENCES, SCI Journal, September 2022
ENVIRONMENTAL PROGRESS AND SUSTAINABLE ENERGY, SCI Journal, September 2022
AGRICULTURE, SCI Journal, September 2022
ENERGY, SCI Journal, September 2022
APPLIED SCIENCES, SCI Journal, September 2022
Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, National Scientific Refreed Journal, September 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, August 2022
AGRICULTURE, SCI Journal, August 2022
ENERGY, SCI Journal, August 2022
JOURNAL OF AGRICULTURAL SCIENCES, SCI Journal, August 2022
APPLIED SCIENCES, SCI Journal, July 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, July 2022
SUSTAINABILITY, SCI Journal, July 2022

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, July 2022
ENVIRONMENTAL PROGRESS AND SUSTAINABLE ENERGY, SCI Journal, July 2022
AGRICULTURE, SCI Journal, June 2022
AGRONOMY RESEARCH, Other Indexed Journal, June 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, June 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, May 2022
ENERGY, SCI Journal, May 2022
APPLIED SCIENCES, SCI Journal, April 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, April 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, April 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, March 2022
PROCESSES, SCI Journal, March 2022
Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, National Scientific Refreed Journal, March 2022
AGRONOMY RESEARCH, Other Indexed Journal, March 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, March 2022
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, March 2022
SENSORS, SCI Journal, February 2022
ENERGY, SCI Journal, February 2022
ENERGY, SCI Journal, February 2022
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, February 2022
ENERGY, SCI Journal, January 2022
ENERGY, SCI Journal, December 2021
ENERGY, SCI Journal, October 2021
ENERGY, SCI Journal, October 2021
ENERGY, SCI Journal, October 2021
ENERGY, SCI Journal, September 2021
ENERGY, SCI Journal, March 2020

Congress and Symposium Activities

The 8th International Conference on Trends In Agricultural Engineering, Attendee, Praha, Czech Republic, 2022
The 2nd UNIDOKAP International Symposium on Biodiversity, Attendee, Samsun, Turkey, 2018
1st International, 14th National Congress on Agricultural Structures and Irrigation, Attendee, Antalya, Turkey, 2018
International conference on computational and statistical methods in Applied Sciences, Attendee, Samsun, Turkey, 2017
In Second International Symposium on Agricultural Engineering, ISAE-2015, Attendee, Belgrade, Serbia, 2015
International Conference on Sustainable Agriculture and Environment, Attendee, Konya, Turkey, 2015

Research Areas

Farm Structures and Irrigation, Winged, Geographic Information Systems, Artificial Intelligence, Computer Learning and Pattern Recognition, Fuzzy Sets and Systems, Neural Networks, Materials in Civil Engineering, Applications of Insulation Materials, Energy, Heating, Refrigerating and Air Conditioning, Computational fluid dynamics