

Asst. Prof. AYTAÇ PERİHAN AKAN

Personal Information

Office Phone: [+90 312 297 7800](tel:+903122977800) Extension: 14

Email: apakan@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/apakan>

International Researcher IDs

ORCID: 0000-0003-4626-4741

ScopusID: 56580128300

Yoksis Researcher ID: 42942

Education Information

Post Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Chemical Engineering, Turkey
2020 - 2021

Doctorate, New Jersey Institute of Technology, Newark College of Engineering, Department of Chemical Engineering,
United States Of America 2018 - 2019

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Bölümü, Turkey 2014 - 2019

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği Bölümü, Kalite Ve Uygunluk
Değerlendirme Mühendisliği, Turkey 2015 - 2016

Postgraduate, Bogazici University, Institute Of Environmental Sciences, Çevre Teknolojileri , Turkey 2011 - 2014

Undergraduate, Trakya University, Çorlu Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 2004 - 2008

Dissertations

Doctorate, Post Combustion Carbon Dioxide Capture with Membrane-Solvent Hybrid Systems, Hacettepe University,
Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2019

Postgraduate, Surface Interactions of Humic Acid - Anion Doped Titania Binary System, Bogazici University, Institute Of
Environmental Sciences, 2014

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2024 - Continues

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2013 - 2024

Courses

Doctorate

Environmental Management Systems, Doctorate, 2024 - 2025

Quality Management and Control, Doctorate, 2021 - 2022

Climate Change and Global Warming, Doctorate, 2021 - 2022

Undergraduate

Urban Drainage and Sewerage, Undergraduate, 2024 - 2025

Design Project II, Undergraduate, 2024 - 2025

Global Climate Change, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Multi-Disciplined Project Work, Undergraduate, 2024 - 2025

Environmental Microbiology, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Design Project I, Undergraduate, 2024 - 2025

Air Quality Management, Undergraduate, 2022 - 2023

Solid Waste Management, Undergraduate, 2023 - 2024

Supervised Theses

Andaç A. M., Akan A. P., Assessment of Active Travel Modes in terms of Environment, Health and Economics, Doctorate, E.Özer(Student), Continues

Akan A. P., Comparative Life Cycle Assessment of Metal-Organic Framework-Based Mixed Matrix Membranes For Post-Combustion CO₂ Capture, Postgraduate, A.Yıldırım(Student), Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Life Cycle Assessment of Post-Combustion CO₂ Capture and Recovery by Hydrophobic Polypropylene Cross-Flow Hollow Fiber Membrane Contactors with Activated Methyldiethanolamine**
Akan A. P., Chau J., Güllü G., Sirkar K. K.
ATMOSPHERE, vol.14, no.490, pp.1-24, 2023 (SCI-Expanded)
- II. **Changes of Air Pollution between Countries Because of Lockdowns to Face COVID-19 Pandemic**
Akan A. P., Coccia M.
APPLIED SCIENCES, vol.12, no.12806, pp.1-28, 2022 (SCI-Expanded)
- III. **Modeling of CO₂ emissions via optimum insulation thickness of residential buildings**
Akan A. P., Akan A. E.
Clean Technologies And Environmental Policy, vol.24, pp.949-967, 2022 (SCI-Expanded)
- IV. **Transmission of COVID-19 pandemic (Turkey) associated with short-term exposure of air quality and climatological parameters**
Akan A. P.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, pp.41695-41712, 2022 (SCI-Expanded)
- V. **Determination of Tekirda (Turkey) wind energy potential and evaluation of selected wind turbines in terms of techno-economic and environmental aspects**
AKAN A. P., Akan A. E.
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.13, no.3, 2021 (SCI-Expanded)
- VI. **Post-combustion CO₂ capture and recovery by pure activated methyldiethanolamine in crossflow membrane contactors having coated hollow fibers**
Akan A. P., Chau J., Sirkar K. K.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.244, 2020 (SCI-Expanded)
- VII. **Adsorption of molecular size fractions of humic acid onto anion-doped TiO₂ specimens**
Akan P., Birben N. C., Bekbolet M.
DESALINATION AND WATER TREATMENT, vol.57, no.6, pp.2455-2465, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Transmission of COVID-19 in Cities with Weather Conditions of High Air Humidity: Lessons Learned from Turkish Black Sea Region to Face Next Pandemic Crisis**
AKAN A. P., Coccia M.
COVID, vol.3, no.11, pp.1648-1662, 2023 (Scopus)
- II. **Effects of air pollution indicators and meteorological parameters on the outbreak of COVID-19**
Akan A. P.
AIP CONFERENCE PROCEEDINGS, vol.2683, no.030067, pp.1-4, 2023 (Peer-Reviewed Journal)
- III. **Variations in the Concentration of Air Pollutants due to the COVID-19 Lockdown in Istanbul, Turkey**
Akan A. P.
European Journal of Technique, vol.12, no.1, pp.49-56, 2022 (Peer-Reviewed Journal)
- IV. **Evaluation of feasibility analyses for different hub heights of a wind turbine**
Akan A. E., Akan A. P.
Journal of Energy Systems, vol.6, no.1, pp.97-107, 2022 (Scopus)
- V. **Meeting of Energy Demand for Irrigation of Off-Grid Agricultural Land by Solar-Wind Energy System with Battery Storage**
Akan A. E., Akan A. P.
Avrupa Bilim ve Teknoloji Dergisi, no.28, pp.806-810, 2021 (Peer-Reviewed Journal)
- VI. **Assessment of CO2 Emissions Reduction Based on Different Insulation Materials in Residential Buildings: Example from Turkey**
Akan A. P., Akan A. E.
IOP Conf. Series: Earth and Environmental Science , vol.801, no.12026, pp.1-10, 2021 (Peer-Reviewed Journal)
- VII. **A General Approach to Accreditation of Environmental Laboratories in Turkey**
AKAN A. P., TESTİK Ö. M.
International Journal of Engineering Technologies, vol.4, no.2, pp.102-106, 2018 (Peer-Reviewed Journal)
- VIII. **Potential of reduction in carbon dioxide equivalent emissions via energy efficiency for a textile factory**
AKAN A. P., AKAN A. E.
Journal of Energy Systems, vol.2, pp.57-69, 2018 (Scopus)
- IX. **Determining residential energy consumption-based CO2 emissions and examining the factors affecting the variation in Ankara, Turkey**
KUŞ M., AKAN A. P., AYDINALP KÖKSAL M., GÜLLÜ G.
E3S Web of Conferences, vol.22, 2017 (Peer-Reviewed Journal)
- X. **Examination of the Accreditation Status of Water Quality Parameters**
AKAN A. P., TESTİK Ö. M.
The Turkish Journal of Occupational / Environmental Medicine and Safety, vol.2, no.1, pp.45-55, 2017 (Peer-Reviewed Journal)

Books

- I. **Assessing Climate Policies For Achieving SDG 13 Towards Net Zero Carbon**
Ayhan E., Akan A. P., Uğurlu A.
in: ENGINEERING IN THEORY AND PRACTICE, Assoc. Prof. Dr. Abdulrezzak BAKIŞ Assoc. Prof. Dr. Şakir PARLAKYILDIZ Dr. Burçin YILMAZ, Editor, Duvar Yayınları, İzmir, pp.41-78, 2024
- II. **Sıfır Atık Hedefleri Kapsamında Sürdürülebilir Katı Atık Yönetimi**
AKAN A. P.
in: Sürdürülebilirlik, Kent ve Doğa, M. Kemal Öktem, Leyla Çiftçi, Editor, Gazi Kitabevi, Ankara, pp.129-138, 2023
- III. **Sürdürülebilir Kalkınma Hedefleri Kapsamında Hava Kirliliği Kontrolü**
AKAN A. P.
in: Sürdürülebilirlik, Kent ve Doğa, M. Kemal Öktem, Leyla Çiftçi, Editor, Gazi Kitabevi, Ankara, pp.81-96, 2023

IV. Energy Storage via Hydrogenation of CO₂ to Hydrocarbons

AKAN A. P., AKAN A. E.

in: Academic Approaches to Engineering Issues, Akan Ahmet Erhan, Akan Aytac Perihan, Editor, IKSAD, Ankara, pp.177-191, 2020

V. Wind energy systems and their effects on environmental sustainability

Akan A. E., Akan A. P.

in: Theoretical Investigations and Applied Studies in Engineering, Ozseven Turgut, Yasar Ebubekir, Editor, Ekin, Tokat, pp.109-126, 2019

VI. Bölüm 48: Zararlı Böceklerin Kontrolünde Kullanılan Evcil Hayvan Bakım Ürünleri

AKAN A. P.

in: Hayes'xxin Pestisit Toksikolojisi El Kitabı, Erol Rauf Ağış, Engin Tutkun, Ömer Hınç Yılmaz, Hüseyin İlter, Editor, T. C. Sağlık Bakanlığı, Ankara, pp.1109-1122, 2018

Papers Published in Refereed Scientific Meetings

I. Co-Digestion of Duckweed (Lemna Minor) and Chicken Manure for Biogas Production

Akan A. P., Dalkılıç K., Uğurlu A.

International Sustainable Resource Recovery Strategies Toward Zero Waste, Basel, Switzerland, 5 - 07 May 2025, pp.1

II. Impacts of Co-Substrate on Biogas Production

Dalkılıç K., Akan A. P., Uğurlu A.

15th International Exergy, Energy and Environment Symposium (IEEEES-15), İstanbul, Turkey, 19 - 21 December 2024, pp.1-5

III. Measures and Policies Towards Global Climate Change to Combat with Its Impacts on Public Health

Akan A. P.

2nd Global Summit on Public Health, 25 - 26 September 2024, pp.1

IV. Emerging Technologies in Sustainable Solid Waste Management to Combat Global Climate Change

Akan A. P., Aslan N.

5. International Young Researchers Student Congress , Antalya, Turkey, 1 - 03 June 2023

V. Smart Waste Management based on Artificial Intelligence Applications for Smart Cities

Akan A. P., Uğurlu A.

Türkiye'de Sıfır Atık: Tespitler, Beklentiler ve Fırsatlar, İstanbul, Turkey, 25 - 26 March 2023, pp.1

VI. Implementing Nature-Based Solutions for the Mitigation of Greenhouse Gases from Wastewater Treatment Plants

Akan A. P., Uğurlu A.

3rd International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 15 - 18 March 2023, pp.554-555

VII. Smart and Innovative Building Approaches for Sustainable Energy based on Zero-Emission Targets

Akan A. P.

5 th Edition of Renewable and Sustainable Energy Virtual, Nalgonda, India, 3 - 04 March 2023, pp.1

VIII. Current status and future perspectives on the applications of artificial intelligence in sustainable waste management

Akan A. P., Uğurlu A.

1st International Conference on Frontiers in Academic Research , Konya, Turkey, 18 - 21 February 2023, pp.1

IX. Global and national air quality variations based on air quality index (AQI) associated with the COVID-19 lockdown measures

Akan A. P.

World Conference On Environmental and Earth Sciences, Valencia, Spain, 24 - 25 October 2022, pp.28

X. Role of Particulate Matters (PM_{2.5} and PM₁₀), Temperature and Relative Humidity on the Transmission of the Outbreak of COVID-19 in Balıkesir and Tekirdağ Provinces of Turkey

Akan A. P.

1st Mediterranean Geosciences Union (MedGU-21), İstanbul, Turkey, 25 - 28 November 2021

- XI. **Meeting Irrigation Demand of Agricultural Land by the Off-Grid Solar-Wind Hybrid Renewable Energy System with Battery Storage**
Akan A. E., Akan A. P.
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 1 - 03 November 2021, pp.1-5
- XII. **Comparison of Techno-Economic and Environmental Feasibility Analysis of Solar Powered Electric Vehicle Charging Stations for Çorlu**
Akan A. E., Akan A. P.
23. İslam Bilimi ve Tekniği Kongresi, Gaziantep, Turkey, 8 - 10 September 2021
- XIII. **Determination of Wind Energy Potential for Marmara Ereğlisi and Comparison of Techno-Economic and Environmental Feasibility Analyses of Two Different Wind Turbines**
Akan A. E., Akan A. P.
23. İslam Bilimi ve Tekniği Kongresi, Gaziantep, Turkey, 8 - 10 September 2021
- XIV. **Cellulose Ultrafiltration Membranes via Phase Inversion for Protein Concentration from Cheese Whey**
Akan A. P., Çulfaz Emecen P. Z.
4th IWA RESOURCE AND RECOVERY CONFERENCE, İstanbul, Turkey, 5 - 08 September 2021
- XV. **Effects of air pollution indicators and meteorological parameters on the outbreak of COVID-19**
Akan A. P.
6th International Conference on Energy, Environment, Epidemiology, and Information System, Semarang, Indonesia, 4 - 05 August 2021
- XVI. **Determination of wind energy potential and evaluation of the feasibility analysis of a wind turbine via RETScreen for Çerkezköy, Turkey**
Akan A. E., Akan A. P.
9. European Conference on Renewable Energy Systems, İstanbul, Turkey, 21 - 23 April 2021
- XVII. **Assessment of CO2 Emissions Reduction Based on Different Insulation Materials in Residential Buildings: Example from Turkey**
Akan A. P., Akan A. E.
11th International Conference on Future Environment and Energy, Tokyo, Japan, 28 - 30 January 2021, pp.35-36
- XVIII. **Post-combustion CO2 capture and recovery via polypropylene membrane coated with fluorosiloxane in a membrane contactor and activated methyldiethanolamine hybrid systems**
AKAN A. P., Chau J., Sirkar K. K.
6th MEMTEK International Symposium on Membrane Technologies and Applications, İstanbul, Turkey, 18 - 20 November 2019, pp.498-499
- XIX. **Life Cycle Assessment of CO2 Capture for Further Reuse as Sodium Carbonate**
AKAN A. P., Salmon I. R., Luis P.
6. European Conference on Renewable Energy Systems, İstanbul, Turkey, 25 - 27 June 2018, pp.560-566
- XX. **An Evaluation Framework for Life Cycle Assessment of Post-Combustion CO2 Capture**
AKAN A. P.
International Congress on Engineering and Life Science, Kastamonu, Turkey, 26 - 29 April 2018, pp.612
- XXI. **Current Status of Education in Turkey Related to Occupational Health and Safety**
Uysal F. F., Akan A. P.
2. İş Güvenliği ve Çalışan Sağlığı Kongresi, Kocaeli, Turkey, 8 - 09 November 2017
- XXII. **ANALYSIS OF OCCUPATIONAL ACCIDENTS ACCORDING TO PROVINCES IN TURKEY**
AKAN A. P., UYSAL F. F.
2. Uluslararası İş Güvenliği ve Çalışan Sağlığı Kongresi, Kocaeli, Turkey, 8 - 09 November 2017
- XXIII. **WASTE RECOVERY AND ENERGY EFFICIENCY VIA INDUSTRIAL SYMBIOSIS APPLICATIONS: CASE STUDIES FROM TURKEY**
AKAN A. P., Başer N.

INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE: ICAS2017, İstanbul, Turkey, 13 - 15 September 2017, pp.293-297

- XXIV. **Investigation of Accreditation Status of Environmental Parameters in Turkey**
AKAN A. P., TESTİK Ö. M.
Proceedings of the 2nd World Congress on Civil, Structural, and Environmental Engineering (CSEE'17), 2 - 04 April 2017
- XXV. **Su Kalite Parametrelerinin Akreditasyon Durumlarının İncelenmesi**
AKAN A. P., TESTİK Ö. M.
2nd International Water and Health Congress, Antalya, Turkey, 13 - 17 February 2017
- XXVI. **Carbon Dioxide Capture and Sequestration CCS Technologies**
AKAN A. P., GÜLLÜ G.
International Summer School on CO₂ Conversion from Fundamentals towards Applications, Villars-sur-Ollon, Switzerland, 29 August - 02 September 2016
- XXVII. **Spectrofluorometric Characterization of Adsorption of Different Molecular Size Fractions of Humic Acid onto Anion Doped TiO₂ Specimens**
AKAN A. P., BİRBEN N. C., BEKBÖLET F. M.
International Conference on Agricultural, Civil and Environmental Engineering (ACEE-16), İstanbul, Turkey, 18 - 19 April 2016
- XXVIII. **Differences in Characterization between Humic Acid and Its Size Fractions Following Adsorption onto Anion Doped TiO₂ Specimens by Fluorescence Excitation Emission Matrices**
AKAN A. P., BİRBEN N. C., BEKBÖLET F. M.
INTERNATIONAL CONFERENCE ON AIR, WATER, AND SOIL POLLUTION AND TREATMENT (AWSPT'xx16), Prag, Czech Republic, 30 - 31 March 2016
- XXIX. **FARKLI MOLEKÜLER BOYUT FRAKSİYONLARINDAKİ HÜMİK ASİTİN ANYONLA KATKILANDIRILMIŞ TiO₂ TÜRLERİ İLE ADSORPSİYONU**
AKAN A. P., BEKBÖLET F. M.
11.Ulusal Çevre Mühendisliği Kongresi, Bursa, Turkey, 15 - 17 October 2015
- XXX. **Farklı Moleküler Büyüklük Fraksiyonlarındaki Hümik Asit ve Anyon ile Katkılandırılmış Titanyum İkili Sistemlerinin Karşılaştırılması**
AKAN A. P., BEKBÖLET F. M.
XII. Ulusal Ekoloji ve Çevre Kongresi, Muğla, Turkey, 14 - 17 September 2015
- XXXI. **A COMPARATIVE APPROACH TO SURFACE INTERACTIONS BETWEEN MOLECULAR SIZE FRACTIONS OF HUMIC ACID AND ANION DOPED TITANIA BINARY SYSTEM**
AKAN A. P., BEKBÖLET F. M.
14th International Conference on Environmental Science and Technology, 3 - 05 September 2015
- XXXII. **Evaluation of Surface Interactions between Diverse MolecularSize Fractions of Humic Acid and Anion Doped TiO₂ by Excitation Emission Matrix EEM Fluorescence Spectra**
AKAN A. P., BEKBÖLET F. M.
International Congress Energy and Environment Engineering and Management, Paris, France, 22 - 24 July 2015
- XXXIII. **Adsorption and Kinetic Studies of Molecular Size Fractions of Humic Acid onto Anion Doped TiO₂ Specimens**
AKAN A. P., BEKBÖLET F. M.
International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 20 May - 23 July 2015
- XXXIV. **Adsorption of Molecular Size Fractions of Humic Acid onto Anion-Doped TiO₂ Specimens**
AKAN A. P., BEKBÖLET F. M.
2nd International Conference on Recycling and Reuse, İstanbul, Turkey, 4 - 06 June 2014

Other Publications

1. **Key Enabling Technologies according to Feedstock Type: Emerging Conversion Technologies**

Supported Projects

- AKAN A. P., UĞURLU A., Project Supported by Higher Education Institutions, Tavuk Gübresi ile Lemna Minorün Farklı Karışımlarından Anaerobik Çürütücü ile Entegre Mikrobiyal Elektroliz Hücresi Anaerobik Çürütücüde Biyogaz Üretimi için Optimum Şartların Belirlenmesi, 2024 - Continues
- YILMAZ M., GÖNENÇEN K. E., SAĞLAMCI M., AKAN A. P., Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Beytepe Kampüsünde Kampüs Tarımı Etkileşim Uygulamaları, Verim Analizi ve Kompost Üretimi, 2023 - Continues
- UĞURLU A., DURUKAN TEMUGE İ., AKAN A. P., Project Supported by Higher Education Institutions, Çevre Kirliliği Problemlerinin Biyoteknolojik Yöntemler Kullanılarak Araştırılması, 2023 - 2024
- GÜLLÜ G., SEVER AKDAĞ A., AKAN A. P., Project Supported by Higher Education Institutions, Yanma Sonrası Karbon Tutma Teknolojilerinin Kıyaslamalı İncelenmesi: Biyokütleden Elde Edilen Aktif Karbon ve Membran Teknolojileri ile Karbondioksit Tutumu, 2017 - 2021
- GÜLLÜ G., AKAN A. P., Project Supported by Higher Education Institutions, Membran-Solvent Hibrit Sistemleriyle Yanma Sonrası Karbondioksit Tutumu, 2017 - 2020
- UĞURLU A., SEVER AKDAĞ A., ANDAÇ ÖZDİL A. M., AKAN A. P., ÇAKMAK S., Project Supported by Higher Education Institutions, Çevre Mühendisliği Çevre Kimyası ve Çevre Mikrobiyolojisi Öğrenci Laboratuvarları için Altyapının Oluşturulması, 2015 - 2018
- GÜLLÜ G., AKAN A. P., Project Supported by Higher Education Institutions, Türkiye'deki Çevresel Parametrelerin Akreditasyon Durumlarının İncelenmesi, 2017 - 2017
- GÜLLÜ G., AKAN A. P., Project Supported by Higher Education Institutions, SU KALİTE PARAMETRELERİNİN AKREDİTASYON DURUMLARININ İNCELENMESİ, 2017 - 2017
- AKAN A. P., Project Supported by Higher Education Institutions, Hüyük Asit ve Moleküler Büyüklük Fraksiyonlarının Anyon ile Katkılandırılmış TiO₂ Türleri ile Adsorpsiyonunun Floresans UyarımYayımlı Matrisleri Aracılığıyla Karakterizasyon Farklılıkları, 2016 - 2016
- AKAN A. P., Project Supported by Higher Education Institutions, Uyarıma-Emisyon Matris Floresans Spektra aracılığıyla Anyon Katkılı TiO₂ ve Hüyük Asitin Farklı Moleküler Boyut Fraksiyonları arasındaki Yüzey Etkileşiminin Değerlendirilmesi, 2015 - 2016
- AKAN A. P., Project Supported by Higher Education Institutions, Farklı Moleküler Boyut Fraksiyonlarındaki Hüyük Asitin Anyonla Katkılandırılmış TiO₂ Türleri ile Adsorpsiyonu, 2015 - 2015
- AKAN A. P., Project Supported by Higher Education Institutions, Küresel Ölçekte Çevre Etiği, 2015 - 2015

Activities in Scientific Journals

- Current Research in Microbiology, Committee Member, 2025 - Continues
- Journal of Research Updates in Polymer Science, Committee Member, 2025 - Continues
- Sustainable Agriculture and Environment, Committee Member, 2023 - Continues
- Journal of Energy Research and Reviews, Scientific Committee Membership, 2018 - Continues
- Journal of Environmental Pollution and Control, Scientific Committee Membership, 2017 - Continues

Peer Reviews in Scientific Publications

- ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, April 2025
- INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Journal Indexed in SCI-E, April 2025

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, April 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, April 2025
BUILDINGS (BASEL), Journal Indexed in SCI-E, April 2025
APPLIED WATER SCIENCE, Journal Indexed in SCI-E, April 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, March 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, March 2025
BUILDINGS (BASEL), Journal Indexed in SCI-E, March 2025
ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, March 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, March 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, March 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, March 2025
ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, March 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, March 2025
LAND, Journal Indexed in SCI-E, February 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, February 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, February 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Journal Indexed in SCI-E, February 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, February 2025
THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, Journal Indexed in SCI-E, February 2025
ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, February 2025
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, January 2025
ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, January 2025
ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, January 2025
ATMOSPHERE, Journal Indexed in SCI-E, January 2025
ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, January 2025
ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, January 2025
BUILDINGS (BASEL), Journal Indexed in SCI-E, December 2024
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, December 2024
Aerobiology, Other Indexed Journal, December 2024
BUILDINGS (BASEL), Journal Indexed in SCI-E, December 2024
ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, December 2024
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, December 2024
ATMOSPHERE, Journal Indexed in SCI-E, November 2024
ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, Journal Indexed in SCI-E, November 2024
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, November 2024
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, November 2024
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, November 2024
ATMOSPHERE, Journal Indexed in SCI-E, November 2024
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, November 2024
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, November 2024

Sustainable Futures, Journal Indexed in ESCI, October 2024

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, October 2024

Journal of innovative engineering and natural science (Online), National Scientific Refreed Journal, October 2024

BUILDINGS (BASEL), Journal Indexed in SCI-E, October 2024

ATMOSPHERE, Journal Indexed in SCI-E, October 2024

Journal of innovative engineering and natural science (Online), National Scientific Refreed Journal, September 2024

ATMOSPHERE, Journal Indexed in SCI-E, September 2024

Konya mühendislik bilimleri dergisi (Online), National Scientific Refreed Journal, September 2024

ENVIRONMENTAL GEOCHEMISTRY AND HEALTH OFFICIAL JOURNAL OF THE SOCIETY FOR ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, Journal Indexed in SCI-E, September 2024

ATMOSPHERE, Journal Indexed in SCI-E, September 2024

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, September 2024

Journal of innovative engineering and natural science (Online), National Scientific Refreed Journal, September 2024

BUILDINGS (BASEL), Journal Indexed in SCI-E, September 2024

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, September 2024

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Journal Indexed in SCI-E, August 2024

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, August 2024

Konya mühendislik bilimleri dergisi (Online), National Scientific Refreed Journal, August 2024

ATMOSPHERE, Journal Indexed in SCI-E, August 2024

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, August 2024

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, Journal Indexed in SCI-E, August 2024

ATMOSPHERE, Journal Indexed in SCI-E, August 2024

ENVIRONMENTAL GEOCHEMISTRY AND HEALTH OFFICIAL JOURNAL OF THE SOCIETY FOR ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, Journal Indexed in SCI-E, August 2024

THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, Journal Indexed in SCI-E, August 2024

ATMOSPHERE, Journal Indexed in SCI-E, July 2024

THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, Journal Indexed in SCI-E, July 2024

THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, Journal Indexed in SCI-E, July 2024

COVID, Journal Indexed in ESCI, July 2024

ATMOSPHERE, Journal Indexed in SCI-E, July 2024

HEALTH POLICY, Journal Indexed in SCI-E, July 2024

ATMOSPHERE, Journal Indexed in SCI-E, July 2024

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES, Journal Indexed in ESCI, July 2024

THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, National Scientific Refreed Journal, July 2024

HEAT AND MASS TRANSFER/WÄRME- UND STOFFÜBERTRAGUNG, Journal Indexed in SCI-E, June 2024

ATMOSPHERE, Journal Indexed in SCI-E, June 2024

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Journal Indexed in SCI-E, June 2024

Environmental Research & Technology, National Scientific Refreed Journal, May 2024

THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, Journal Indexed in SCI-E, May 2024

CHILDREN (BASEL), Journal Indexed in SCI-E, May 2024

Environmental Research & Technology, National Scientific Refreed Journal, May 2024

JOURNAL OF CLINICAL MEDICINE, Journal Indexed in SCI-E, May 2024

HEAT AND MASS TRANSFER/WÄRME- UND STOFFÜBERTRAGUNG, Journal Indexed in SCI-E, April 2024

ATMOSPHERE, Journal Indexed in SCI-E, April 2024

ATMOSPHERE, Journal Indexed in SCI-E, March 2024

SCIENTIFIC REPORTS, Journal Indexed in SCI-E, February 2024
SCIENTIFIC REPORTS, Journal Indexed in SCI-E, January 2024
HEAT AND MASS TRANSFER/WÄERME- UND STOFFUEBERTRAGUNG, Journal Indexed in SCI-E, January 2024
ATMOSPHERE, Journal Indexed in SCI-E, January 2024
STEEL RESEARCH INTERNATIONAL, Journal Indexed in SCI-E, January 2024
ATMOSPHERE, Journal Indexed in SCI-E, January 2024
COVID, Journal Indexed in ESCI, December 2023
SCIENTIFIC REPORTS, Journal Indexed in SCI-E, November 2023
JOURNAL OF MATHEMATICAL CHEMISTRY, SCI Journal, October 2023
APPLIED WATER SCIENCE, Journal Indexed in SCI-E, October 2023
STEEL RESEARCH INTERNATIONAL, Journal Indexed in SCI-E, October 2023
JOURNAL OF MATHEMATICAL CHEMISTRY, SCI Journal, September 2023
ENVIRONMENTAL MONITORING AND ASSESSMENT AN INTERNATIONAL JOURNAL DEVOTED TO PROGRESS IN THE USE OF MONITORING DATA IN ASSESSING ENVIRONMENTAL RISKS TO MAN AND THE ENVIRONMENT, Journal Indexed in SCI-E, September 2023
Environmental Research & Technology, National Scientific Refreed Journal, July 2023
ENVIRONMENTAL MONITORING AND ASSESSMENT AN INTERNATIONAL JOURNAL DEVOTED TO PROGRESS IN THE USE OF MONITORING DATA IN ASSESSING ENVIRONMENTAL RISKS TO MAN AND THE ENVIRONMENT, Journal Indexed in SCI-E, July 2023
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, July 2023
ISI BİLİMİ VE TEKNİGİ DERGİSİ/ JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, May 2023
Environmental Research & Technology, National Scientific Refreed Journal, May 2023
ISI BİLİMİ VE TEKNİGİ DERGİSİ/ JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, April 2023
ENVIRONMENTAL POLLUTION, Journal Indexed in SCI-E, November 2022
ENVIRONMENTAL POLLUTION, Journal Indexed in SCI-E, October 2022
HACETTEPE ÜNİVERSİTESİ İKTİSADİ VE İDARİ BİLİMLER FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, August 2022
Asia-Pacific Journal of Regional Science, Journal Indexed in ESCI, June 2022
ENVIRONMENTAL POLLUTION, Journal Indexed in SCI-E, June 2022
Asia-Pacific Journal of Regional Science , Journal Indexed in ESCI, May 2022
International Journal Of Ambient Energy, Journal Indexed in ESCI, May 2022
ENVIRONMENTAL POLLUTION, Journal Indexed in SCI-E, April 2022
International Journal of Ambient Energy, Journal Indexed in ESCI, March 2022
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, November 2021

Metrics

Publication: 58
Citation (WoS): 45
Citation (Scopus): 54
H-Index (WoS): 4
H-Index (Scopus): 4

Congress and Symposium Activities

International Conference on Sustainable Cities and Society (Technical Committee Member), Session Moderator, Wuhan, China, 2025

2nd Global Summit on Public Health (Invited Speaker), Invited Speaker, Connecticut, United States Of America, 2024
5th Edition of Renewable and Sustainable Energy (Invited Speaker), Invited Speaker, Nalgonda, India, 2023
World Conference on Environmental and Earth Sciences (Keynote Speaker), Invited Speaker, Valencia, Spain, 2022
9. European Conference on Renewable Energy Systems (Session Chair), Session Moderator, İstanbul, Turkey, 2021

Scholarships

Conference Support Award by Cost Action: Cross Border Transfer and Development of Sustainable Resource Recovery Strategies Towards Zero Waste, European Commission, 2025 - 2025
2214-A Yurt Dışı Doktora Sırası Araştırma Bursu- New Jersey Institute of Technology (NJIT), Amerika Birleşik Devletleri, TUBITAK, 2018 - 2019
Yurtdışı Araştırma Bursu-Université catholique de Louvain (UCLouvain),Belçika, University, 2018 - 2018
2224-A Yurt Dışı Bilimsel Etkinliklere Katılım Desteği - Yunanistan, TUBITAK, 2015 - 2015
Yaz Okulu Katılım Desteği - University of Helsinki (UH), Finlandiya, University, 2015 - 2015

Awards

Akan A. P., Highest ranked student in the Faculty of Engineering, Trakya Üniversitesi, July 2008
Akan A. P., Top scoring student at department, Trakya Üniversitesi, July 2008