

## Asst. Prof. AYTAÇ PERİHAN AKAN

### Personal Information

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### 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

Public Health, Climate, Climate Change and Climate Modeling, Environmental Microbiology, Waste Water Collection and  
Treatment, Environmental Impact Assessment, Environmental Health and Safety, Environmental Policies, Air Pollution  
and Control, Air Pollution Monitoring, Solid Waste Engineering and Management, Contaminated Sites and Remediation,  
Pollution Prevention and Waste Reduction, Water Pollution and Control, Water and Air Resources Management,  
Biotechnology, Quality Control and Management, Membrane Technology, Separation Operations, Alternative Energy  
Resources, Energy storage technologies

### 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

Researcher, Université Catholique de Louvain, Institute Of Mechanics, Materials And Civil Engineering (Immc), Materials

and Process Engineering, 2018 - 2018

## Courses

Global Climate Change, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Multi-Disciplined Project Work, Undergraduate, 2024 - 2025  
Environmental Management Systems, Doctorate, 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  
Quality Management and Control, Doctorate, 2021 - 2022  
Climate Change and Global Warming, Doctorate, 2021 - 2022

## Advising Theses

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

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Life Cycle Assessment of Post-Combustion CO<sub>2</sub> Capture and Recovery by Hydrophobic Polypropylene Cross-Flow Hollow Fiber Membrane Contactors with Activated Methyl-diethanolamine**  
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 CO<sub>2</sub> 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 CO<sub>2</sub> capture and recovery by pure activated methyl-diethanolamine 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 TiO<sub>2</sub> 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 (Peer-Reviewed Journal)
- 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 & Book Chapters

- I. **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
- II. **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
- III. **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

**IV. 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

**V. 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 İter, Editor, T. C. Sağlık Bakanlığı, Ankara, pp.1109-1122, 2018

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **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
- II. **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
- III. **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
- IV. **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
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **Determination of Wind Energy Potential for Marmara Ereğlisi and Comparison of Techno-Economic and Environmental Feasibility Analyzes of Two Different Wind Turbines**  
Akan A. E., Akan A. P.  
23. Isı Bilimi ve Tekniği Kongresi, Gaziantep, Turkey, 8 - 10 September 2021
- X. **Comparison of Techno-Economic and Environmental Feasibility Analysis of Solar Powered Electric Vehicle Charging Stations for Çorlu**  
Akan A. E., Akan A. P.  
23. Isı Bilimi ve Tekniği Kongresi, Gaziantep, Turkey, 8 - 10 September 2021

- XI. **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
- XII. **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
- XIII. **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
- XIV. **Assessment of CO<sub>2</sub> 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
- XV. **Post-combustion CO<sub>2</sub> 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
- XVI. **Life Cycle Assessment of CO<sub>2</sub> 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
- XVII. **An Evaluation Framework for Life Cycle Assessment of Post-Combustion CO<sub>2</sub> Capture**  
AKAN A. P.  
International Congress on Engineering and Life Science, Kastamonu, Turkey, 26 - 29 April 2018, pp.612
- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **Su Kalite Parametrelerinin Akreditasyon Durumlarının İncelenmesi**  
AKAN A. P., TESTİK Ö. M.  
2nd International Water and Health Congress, Antalya, Turkey, 13 - 17 February 2017
- XXIII. **Carbon Dioxide Capture and Sequestration CCS Technologies**  
AKAN A. P., GÜLLÜ G.  
International Summer School on CO<sub>2</sub> Conversion from Fundamentals towards Applications, Villars-sur-Ollon, Switzerland, 29 August - 02 September 2016
- XXIV. **Spectrofluorometric Characterization of Adsorption of Different Molecular Size Fractions of Humic Acid onto Anion Doped TiO<sub>2</sub> 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

- XXV. **Differences in Characterization between Humic Acid and Its Size Fractions Following Adsorption onto Anion Doped TiO<sub>2</sub> 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
- XXVI. **FARKLI MOLEKÜLER BOYUT FRAKSİYONLARINDAKİ HÜMİK ASİTİN ANYONLA KATKILANDIRILMIŞ TiO<sub>2</sub> TÜRLERİ İLE ADSORPSİYONU**  
AKAN A. P., BEKBÖLET F. M.  
11.Ulusal Çevre Mühendisliği Kongresi, Bursa, Turkey, 15 - 17 October 2015
- XXVII. **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
- XXVIII. **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
- XXIX. **Evaluation of Surface Interactions between Diverse MolecularSize Fractions of Humic Acid and Anion Doped TiO<sub>2</sub> 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
- XXX. **Adsorption and Kinetic Studies of Molecular Size Fractions of Humic Acid onto Anion Doped TiO<sub>2</sub> Specimens**  
AKAN A. P., BEKBÖLET F. M.  
International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 20 May - 23 July 2015
- XXXI. **Adsorption of Molecular Size Fractions of Humic Acid onto Anion-Doped TiO<sub>2</sub> Specimens**  
AKAN A. P., BEKBÖLET F. M.  
2nd International Conference on Recycling and Reuse, İstanbul, Turkey, 4 - 06 June 2014

## Other Publications

- I. **KEY ENABLING TECHNOLOGIES ACCORDING TO FEEDSTOCK TYPE: Emerging Conversion Technologies**  
Akan A. P., Brandoni C., Tufaner F., Attard G., Garcia J. M., Dalkılıç K., Strætkvern K. O.  
Technical Report, pp.1-67, 2024

## Supported Projects

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

Akan A. P., Uğurlu A., Project Supported by Higher Education Institutions, Microbial Electrolysis Cell Integrated with Anaerobic Digester from Different Mixtures of Chicken Manure and Lemna Minor: Determination of Optimum Conditions for Biogas Production in Anaerobic Digester, 2024 - 2025

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 TiO<sub>2</sub> Türleri ile Adsorpsiyonunun Floresans UyarımYayımlı Matrisleri Aracılığıyla Karakterizasyon Farklılıkları, 2016 - 2016

AKAN A. P., Project Supported by Higher Education Institutions, Uyarı-Emisyon Matris Floresans Spektra aracılığıyla Anyon Katkılı TiO<sub>2</sub> 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 TiO<sub>2</sub> Türleri ile Adsorpsiyonu, 2015 - 2015

AKAN A. P., Project Supported by Higher Education Institutions, Küresel Ölçekte Çevre Etiği, 2015 - 2015

## Activities in Scientific Journals

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

## Scientific Refereeing

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/WAERME- UND STOFFUEBERTRAGUNG, 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/WAERME- UND STOFFUEBERTRAGUNG, 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/WAERME- 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 TEKNİĞİ 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 TEKNİĞİ 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

## Scientific Consultations

HT-TTM, Scientific Consultancy, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey, 2024 - Continues

## Metrics

Publication: 55

Citation (WoS): 45

Citation (Scopus): 54

H-Index (WoS): 4

H-Index (Scopus): 4

## Congress and Symposium Activities

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

2214-A Yurt Dışı Doktora Sırası Araştırma Bursu- New Jersey Institute of Technology (NJIT), Amerika Birleşik Devletleri, TÜBİTAK, 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

## **Non Academic Experience**

Orta Doğu Teknik Üniversitesi (ODTÜ)  
New Jersey Institute of Technology (NJIT)  
Université catholique de Louvain (UCLouvain)  
University of Bern  
University of Helsinki