

## Asst. Prof. GÖZDE BAKİOĞLU DOĞANYILMAZ

### Personal Information

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### International Researcher IDs

ScholarID: 6pVnENQAAAAJ

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Publons / Web Of Science ResearcherID: KBQ-9682-2024

ScopusID: 57202494433

### Education Information

Doctorate, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, Turkey 2017 - 2022

Doctorate, University of Toronto, Transportation Research Institute, Department of Civil & Mineral Engineering, Canada 2019 - 2020

Postgraduate, Bogazici University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2013 - 2016

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey 2007 - 2013

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey 2008 - 2012

### Research Areas

Transportation Engineering

### Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty Of Engineering, Civil Engineering, 2024 - Continues

Research Assistant PhD, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2015 - 2024

### Courses

Global Design Project II Synthesis, Undergraduate, 2023 - 2024

Probability for Engineers, Undergraduate, 2023 - 2024

Transportation System Engineering, Undergraduate, 2023 - 2024

Highway Engineering, Undergraduate, 2023 - 2024

Introduction to programming languages (Python), Undergraduate, 2022 - 2023

Technical Drawing, Undergraduate, 2023 - 2024

Demiryolu Mühendisliği, Undergraduate, 2022 - 2023

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

- I. **Examination of the role of safety concerns from autonomous vehicle ownership choice: results of a stated choice experiment in Istanbul, Turkey**  
Bakioglu G., Salehin M. F., Wang K., Atahan A. O., Habib K. N.  
Transportation Letters, vol.14, no.10, pp.1172-1183, 2022 (SCI-Expanded)
- II. **AHP integrated TOPSIS and VIKOR methods with Pythagorean fuzzy sets to prioritize risks in self-driving vehicles**  
Bakioglu G., Atahan A. O.  
Applied Soft Computing, vol.99, 2021 (SCI-Expanded)
- III. **Accessibility of medical services following an earthquake: A case study of traffic and economic aspects affecting the Istanbul roadway**  
Bakioğlu G., Karaman H.  
International Journal of Disaster Risk Reduction, vol.31, pp.403-418, 2018 (SCI-Expanded)
- IV. **Modeling the effects of real time traffic information on travel behavior: A case study of Istanbul Technical University**  
Gokasar I., Bakioglu G.  
Transportation Research Part F: Traffic Psychology and Behaviour, vol.58, pp.881-892, 2018 (SSCI)

### Articles Published in Other Journals

- I. **Otonom Araçların Benimsenmesi ve Güvenlik Algılarının İncelenmesi**  
Bakioğlu G., Atahan A. O.  
Avrupa Bilim ve Teknoloji Dergisi, no.32, pp.633-639, 2021 (Peer-Reviewed Journal)
- II. **The Effect of User Comments on Traffic Application**  
GÖKAŞAR I., BAKİOĞLU DOĞANYILMAZ G.  
International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering: Urban and Civil Engineering, vol.10, no.11, pp.1408-1415, 2016 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Traffic congestion pricing implementation**  
BAKİOĞLU DOĞANYILMAZ G.  
5. International Blacksea Modern Scientific Research Congress, Turkey, 8 - 10 November 2023
- II. **Analysis of Reasons Behind Road Traffic Injuries in Turkey**  
Dasgar Y., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.  
International Graduate Research Symposium (IGRS'22), İstanbul, Turkey, 01 June 2022
- III. **Impact of Socio-Demographic Characteristics on Perceptions towards AVs**  
Dasgar Y., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.  
International Graduate Research Symposium (IGRS'22), İstanbul, Turkey, 01 June 2022
- IV. **A Review on Benefits and Security Concerns for Self Driving Vehicles**  
BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.  
18th International Road Federation World Meeting & Exhibition, Dubai, United Arab Emirates, 07 November 2022, pp.667-675
- V. **Investigating the Role of Safety Concerns in Autonomous Vehicle Ownership Choice: A Stated Choice Experiment in Istanbul, Turkey**  
BAKİOĞLU DOĞANYILMAZ G., Salehin M. F., Wang K., Habib K. N.  
TRANSPORTATION RESEARCH BOARD 100TH ANNUAL MEETING, Washington, Kiribati, 05 January 2021
- VI. **Evaluating the Influencing Factors on Adoption of Self-driving Vehicles by Using Interval-Valued Pythagorean Fuzzy AHP**  
BAKİOĞLU G., ATAHAHAN A. O.

International Conference on Intelligent and Fuzzy Systems, 21 - 23 July 2020

- VII. **Key issues for integrating smart transportation technologies to promote transit accessibility: Istanbul case study**  
ÇALIŞKAN B., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.  
IRF GLOBAL R2T Conference, Las Vegas, United States Of America, 19 November 2019, pp.259-270
- VIII. **İstanbul İli için Toplu Taşıma Sistemlerinin İncelenmesi: Ulaşım Bağlantısı mı Şehir içi Trafik Çözümleri mi Hedeflenmeli?**  
BAKİOĞLU G., GÖKAŞAR I.  
Transist International Istanbul Transport Congress and Exhibition, Istanbul Congress Center, ICC, İstanbul, Turkey, 8 - 10 November 2018
- IX. **The Smart City Framework and Assessment of Istanbul's first steps to become a "Smart City"**  
ÇALIŞKAN B., Dilek E., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.  
IRF GLOBAL R2T CONFERENCE, Las Vegas, United States Of America, 07 November 2018
- X. **Hospital Accessibility of Istanbul Following an Earthquake**  
KARAMAN H., BAKİOĞLU G.  
FIG Congress 2018, İstanbul, Turkey, 6 - 11 May 2018, pp.1-13
- XI. **GIS-Based Visualization for Estimating Level of Service**  
BAKİOĞLU G., DOĞRU A.  
FIG 2018, 6 - 11 May 2018
- XII. **Servis Güzergâhları Optimizasyonu: İTÜ Personel Servisleri Üzerine Bir Çalışma**  
BAKİOĞLU G., ATAHAHAN A. O.  
TRANSİST2017 Uluslararası Kongresi, 2 - 04 November 2017
- XIII. **Value Engineering Application in the Transportation Industry: A case study for Istanbul**  
Çalışkan B., BAKİOĞLU G., ATAHAHAN A. O.  
IRF Middle East North Africa RegionalCongress Exhibition - Mobility Solutions for the 21st Century, 29 - 31 October 2017
- XIV. **Road Safety for Children: A Case Study for Istanbul**  
Çalışkan B., BAKİOĞLU G., ATAHAHAN A. O.  
IRF Middle East North Africa RegionalCongress Exhibition - Mobility Solutions for the 21st Century, 29 - 31 October 2017
- XV. **Trafik Uygulamalarının Trafik Güvenliğine Etkisi**  
GÖKAŞAR I., BAKİOĞLU G.  
7th International Symposium and Exhibition for Road Traffic Safety, Ankara, Turkey, 17 - 19 November 2016
- XVI. **İSTANBUL İLİ TRAFİK GÜVENLİĞİ ANA PLAN ÇALIŞMALARI**  
AYÖZEN Y. E., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.  
6. Karayolu Trafik Güvenliği Sempozyumu, Ankara, Turkey, 12 November 2015, pp.115-127
- XVII. **Managing Education by Reviewing Civil Engineers' Perceptions about Their Undergraduate Courses**  
BAKİOĞLU A., BAKİOĞLU DOĞANYILMAZ G., BAKİOĞLU G.  
International Conference on Disaster Management in Civil Engineering (ICDMCE'2015), Phuket, Thailand, 01 October 2015
- XVIII. **Incident Detection Algorithms A Literature Review**  
ATAHAHAN A. O., BAKİOĞLU G., SİLGU M. A., BALCILAR M., ÖZCANAN S., Büyük M., GÖKAŞAR I., Çelikoğlu H. B.  
1st IRF Europe Central Asia Regional Congress Exhibition, İstanbul, Turkey, 15 - 18 September 2015
- XIX. **Kadın İnşaat Mühendislerinin İnşaat Sektöründeki Yeri**  
ATABAY Ş., KARAHAN P., BAKİOĞLU DOĞANYILMAZ G.  
PYYK 2014 - 3. Proje ve Yapım Yönetimi Kongresi, Antalya, Turkey, 06 November 2014, pp.31

## Supported Projects

Bakioğlu Doğanyılmaz G., Bakioğlu G., Çelik H. M., Baş A., Atahan A. O., Yüzer M. A., Project Supported by Other Official

Institutions, Hatay Ulaşım Ana Planı, 2015 - 2017

## Activities in Scientific Journals

International journal of advances in engineering and pure sciences (Online), Committee Member, 2024 - Continues

## Scientific Refereeing

JOURNAL OF URBAN PLANNING AND DEVELOPMENT, Journal Indexed in SCI-E, December 2023

INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, Journal Indexed in SCI-E, December 2023

TRANSPORTATION LETTERS, Journal Indexed in SSCI, November 2023

CASE STUDIES ON TRANSPORT POLICY, Journal Indexed in ESCI, July 2023

INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETICS, SCI Journal, February 2022

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, January 2022

ARTIFICIAL INTELLIGENCE REVIEW, SCI Journal, November 2021

APPLIED SOFT COMPUTING JOURNAL, SCI Journal, October 2021

## Metrics

Publication: 25

Citation (WoS): 136

Citation (Scopus): 180

H-Index (WoS): 3

H-Index (Scopus): 4

## Awards

Bakioğlu Doğanılmaz G., TÜBİTAK Yayın Teşvik Ödülü (UBYT), Tübitak, January 2021

Bakioğlu Doğanılmaz G., Harita Mühendisliği Bölüm Birinciliği Ödülü, Yıldız Teknik Üniversitesi, January 2012