

# KIYMET KAYA ÜNAL

## RES. ASST.

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABB-3303-2020

ScopusID: 57205587511

Yoksis Researcher ID: 248298



## Learning Knowledge

Doctorate  
2019 - Continues

Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği,  
Turkey

Postgraduate  
2016 - 2019

Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği,  
Turkey

Undergraduate  
2009 - 2014

Ege University, Faculty Of Engineering, Bilgisayar Mühendisliği Bölümü, Turkey

## Foreign Languages

English, C1 Advanced

## Dissertations

Postgraduate, Veri madenciliği yöntemleri kullanarak hava kirliliği tahmini, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2019

## Academic Titles / Tasks

Research Assistant  
2017 - 2026

Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği

Research Assistant  
2016 - 2017

Recep Tayyip Erdogan University, Mühendislik Fakültesi, Bilişim Sistemleri  
Mühendisliği

## Supported Projects

- Öğüdücü Ş., Kaya K., Project Supported by Higher Education Institutions, Omurga Altyapı Ağlarında Açıklanabilir Yapay Zeka Yöntemleri ile Black Hole Arızalarının Tahmini ve Algılanması, 2022 - Continues

2. Kaya Ünal K., TUBITAK Project, OMURGA ALTYAPI AĞLARINDA AÇIKLANABİLİR YAPAY ZEKA YÖNTEMLERİ İLE BLACK HOLE TAHMİNİ VE ALGILANMASI, 2023 - 2024
3. Öğüdücü Ş., Yaslan Y., Kaya K., Project Supported by Other Private Institutions, "Turizm Sektöründe Seyahat Satışı için Yapay Zeka ile Dinamik Fiyatlandırma" Setur - ITU AI Ortak Araştırma Projesi, 2020 - 2021
4. Ünal A., Project Supported by Other Private Institutions, Turizm Sektöründe Seyahat Satışı için Yapay Zeka ile Dinamik Fiyatlandırma, 2020 - 2020

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

1. **A reinforcement learning based dynamic room pricing model for hotel industry**  
Tuncay G., Kaya Ünal K., Yılmaz Y., Yaslan Y., Öğüdücü Ş.  
INFOR: Information Systems and Operational Research, vol.61, no.3, pp.1-21, 2023 (SCI-Expanded)
2. **Demand forecasting model using hotel clustering findings for hospitality industry**  
Kaya K., Yılmaz Y., Yaslan Y., Öğüdücü Ş., Cingi F.  
INFORMATION PROCESSING & MANAGEMENT, vol.59, no.1, 2022 (SCI-Expanded)
3. **Waste-to-Energy Framework: An intelligent energy recycling management**  
Kaya K., Ak E., Yaslan Y., Oktuğ S. F.  
SUSTAINABLE COMPUTING-INFORMATICS & SYSTEMS, vol.30, 2021 (SCI-Expanded)
4. **Deep Flexible Sequential (DFS) Model for Air Pollution Forecasting**  
Kaya K., Öğüdücü Ş.  
SCIENTIFIC REPORTS, vol.10, no.1, 2020 (SCI-Expanded)
5. **New Regression Equations for Estimating the Maximal Oxygen Uptake of College of Physical Education and Sports Students in Turkey**  
AKAY M. F., ABUT F., KAYA K., ÇETİN E., YARIM İ.  
New Trends and Issues Proceedings on Humanities and Social Sciences, vol.3, pp.11-17, 2017 (SSCI)

### Refereed Congress / Symposium Publications in Proceedings

1. **LoRaWAN-aided Waste-to-Energy Concept Model in Smart Cities**  
AK E., KAYA K., YASLAN Y., OKTUĞ S. F.  
International Conference on Computer, Information and Telecommunication Systems (CITS), İstanbul, Turkey, 11 - 13 November 2021
2. **A Binary Classification Model for PMinf10/infLevels**  
KAYA K., ÖĞÜDÜCÜ Ş.  
2018 3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018
3. **New Regression Equations for Estimating the Maximal Oxygen Uptake of College of Physical Education and Sports Students in Turkey**  
Akay M. F., Kaya K., Çetin E.  
5th Cyprus International Conference on Educational Research (CYICER-2016), Girne, Cyprus (Kkct), 1 - 02 April 2016, pp.1
4. **Development of New Prediction Models for Maximal Oxygen Uptake Using Artificial Intelligence Methods**  
Kaya K., Akay M. F., Çetin E.  
International Conference on Natural Science and Engineering (ICNASE'16), Kilis, Turkey, 19 - 20 March 2016, pp.988-986

### Metrics

Publication: 10  
Citation (WoS): 62  
Citation (Scopus): 78  
H-Index (WoS): 4  
H-Index (Scopus): 4

## Research Areas

Computer Sciences, Information Visualization, Information Storage and Retrieval, Artificial Intelligence, Computer Learning and Pattern Recognition, Knowledge Engineering, Computer Learning, Neural Networks, Engineering and Technology