

## Res. Asst. Muharrem Atakan ŞENTÜRK

### Personal Information

**Email:** ma.senturk@istanbul.edu.tr

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### International Researcher IDs

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### Education Information

Doctorate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Computer Engineering, Turkey 2024 - Continues  
Postgraduate, Tekirdağ Namik Kemal University, Institute of Natural and Applied Sciences, Computer Engineering, Turkey 2021 - 2024

Undergraduate, Istanbul Aydın University, Faculty of Engineering, Computer Engineering, Turkey 2015 - 2020

### Foreign Languages

English, B1 Intermediate

### Certificates, Courses and Trainings

IT, Microsoft Certified Software Developer Training, BilgeAdam Akademi, 2019

### Dissertations

Postgraduate, Automatic Artificial Neural Network Model Development Tool For Dataset, Tekirdağ Namik Kemal University, Institute of Natural and Applied Sciences, Computer Engineering, 2024

### Research Areas

Computer Sciences, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Neural Networks, Software

### Academic Titles / Tasks

Research Assistant, Istanbul University, Bilgisayar Ve Bilişim Teknolojileri Fakültesi, Bilgisayar Mühendisliği Bölümü , 2024 - Continues

Research Assistant, Yeditepe University, Faculty of Engineering, Computer Engineering, 2023 - 2024

### Courses

Introduction To Data Science, Undergraduate, 2024 - 2025

Introduction To Programming, Undergraduate, 2023 - 2024

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

- I. **Compression Index Regression of Fine-Grained Soils with Machine Learning Algorithms**  
Kim M., Şentürk M. A., Li L.  
APPLIED SCIENCES, vol.14, no.19, pp.8695, 2024 (SCI-Expanded)
- II. **Deep Learning Approach on Prediction of Soil Consolidation Characteristics**  
Kim M., Senturk M. A., Tan R. K., Ordu E., Ko J.  
Buildings, vol.14, no.2, 2024 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Deep Learning Based Multi-Parameter Assistive System for COVID-19 Diagnosis**  
Şentürk M. A., Korkmaz Tan R.  
Journal of Balkan Science and Technology (JBST), vol.3, no.1, pp.16-22, 2024 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Artificial Intelligence Supported Continuous Auditing: A Software Development Approach**  
Doğan S., Yavuzaslan Söylemez S., Şentürk M. A.  
MODAV-ICA2024 21st INTERNATIONAL CONFERENCE ON ACCOUNTING, Çanakkale, Turkey, 12 September 2024, pp.1-2
- II. **Chest CT Images Classification As COVID-19 Pneumonia And No-findings Using Deep Convolutional Neural Networks**  
Şentürk M. A., Korkmaz Tan R.  
The ICASEM 4th International Applied Sciences, Engineering, and Mathematics Congress, Tekirdağ, Turkey, 20 October 2022, pp.1-5

## Metrics

Publication: 5