

## Res. Asst. PhD Esra KAYA AYANA

### Personal Information

**Email:** esrakaya@yildiz.edu.tr

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### International Researcher IDs

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Yoksis Researcher ID: 43487

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Kontrol Ve Otomasyon Mühendisliği, Turkey 2016 - 2024

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Kontrol Ve Otomasyon Mühendisliği, Turkey 2014 - 2016

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, Turkey 2007 - 2012

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, Öznitelik seçiminin geliştirilen bir yapay sinir ağı sınıflandırılması üzerine etkisi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kontrol Ve Otomasyon Mühendisliği, 2016

### Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and Technology

### Academic Titles / Tasks

Research Assistant PhD, Yildiz Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, 2024 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, 2013 - Continues

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

- Active Control Experiments on a Smart Robotic Glass with End-Point Control for Parkinson's Patients**

Kaya Ayana E., Kılıç M., Yaşar C. F., Engin Ş. N.

## Articles Published in Other Journals

- I. **Covid-19 detection using modified xception transfer learning approach from computed tomography images**  
Morani K., Kaya Ayana E., Unay D.  
International Journal of Advances in Intelligent Informatics, vol.9, no.3, pp.524-536, 2023 (Scopus)
- II. **The Improvement Achieved Using BLogReg Feature Selection Algorithm In A Developed Artificial Neural Network Classification**  
Kaya Ayana E., Morani K.  
The International Journal of Scientific Research & Engineering Technology, no.9, pp.28-31, 2020 (Peer-Reviewed Journal)
- III. **Diagnosis of anemia in children via artificial neural network**  
Kaya E., Aktan M. E., Koru A. T., Akdoğan E.  
International Journal of Intelligent Systems and Applications in Engineering, vol.3, pp.24-27, 2015 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Studies on a Robotic Device that Minimizes End-Point Vibrations for Parkinson Tremor**  
Ayana E., Yaşar C. F., Engin Ş. N.  
3rd World Conference on Technology, Innovation and Entrepreneurship, WOCTINE 2019, İstanbul, Turkey, 21 - 23 June 2019, vol.158, pp.338-345
- II. **Development of Prediction in Clients' Consent to a Bank Term Deposit Using Feature Selection**  
MORANI K., KAYA AYANA E., ENGİN Ş. N.  
6th International Conference on Control engineering and Information Technologies, İstanbul, Turkey, 25 - 27 October 2018
- III. **Performance Evaluations of Next Generation Networks for Smart Grid Applications**  
KAYA AYANA E.  
3rd IEEE International Conference on Smart Grid Congress and Fair, İstanbul, Turks And Caicos Islands, 17 April 2015, pp.1-5

## Tasks In Event Organizations

Kaya Ayana E., EROL B., 6th International Conference on Control Engineering & Information Technology, Scientific Congress, İstanbul, Turkey, Ekim 2018

Kaya Ayana E., EROL B., OTOMATİK KONTROL TÜRK MİLLÎ KOMİTESİ ULUSAL TOPLANTISI (TOK 2017), Scientific Congress, İstanbul, Turkey, Eylül 2017

## Metrics

Publication: 9

Citation (Scopus): 3

H-Index (Scopus): 1