

## Res. Asst. AHMET AYTUĞ AYRANCI

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektronik (Dr), Turkey 2022 - Continues

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Haberleşme (YI) (Tezli), Turkey 2019 - 2022

Undergraduate, Istanbul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2011 - 2016

### Academic Titles / Tasks

Research Assistant, Istanbul Kultur University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2021 - Continues

### Articles Published in Other Journals

I. **UAV-Assisted NOMA-Based Network with Alamouti Space-Time Block Coding**

Yılmaz T., Ayranci A. A., Bacanlı E., İlhan H.

JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.25, no.3, pp.967-973, 2022 (ESCI)

II. **Speaker Accent Recognition Using MFCC Feature Extraction and Machine Learning Algorithms**

Ayranci A. A., ATAY S., YILDIRIM T.

International journal of advances in engineering and pure sciences (Online), vol.33, no.0, pp.17-27, 2021 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

I. **Edge Computing and Robotic Applications in Modern Agriculture**

AYRANCI A. A., ERKMEN B.

6th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2024, İstanbul, Turkey, 23 - 25 May 2024

II. **Investigation of UAV-Based Communication Networks for Next Generation Communication Systems**

AYRANCI A. A., İLHAN H.

2nd International Congress of Engineering and Natural Sciences (ICENSS 2022), Ankara, Turkey, 7 - 09 May 2022

III. **Decentral Smart Grid Control System Stability Analysis Using Machine Learning**

AYRANCI A. A., İLHAN H.

2nd International Conference on Computing and Machine Intelligence, ICMI 2022, İstanbul, Turkey, 15 - 16 July 2022

**IV. Capacity Loss Analysis Using Machine Learning Regression Algorithms**

Atay S., AYRANCI A. A., ERKMEN B.

9th International Conference on Electrical and Electronics Engineering (ICEEE), Alanya, Turkey, 29 - 31 March 2022, pp.10-13

**V. Performance of Downlink NOMA Network Using Space-Time Line Coding Technique**

YILMAZ T., AYRANCI A. A., İLHAN H.

2021 29th Signal Processing and Communications Applications Conference (SIU), İstanbul, Turkey, 09 June 2021

**VI. Speaker Accent Recognition Using Machine Learning Algorithms**

AYRANCI A. A., Atay S., YILDIRIM T.

Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı (ASYU 2020), İstanbul, Turkey, 15 - 17 October 2020

**VII. Performance Analysis of NOMA in Drone Communication**

AYRANCI A. A., BACANLI E., İLHAN H.

2019 11th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 28 November 2019

## **Metrics**

Publication: 9

Citation (Scopus): 5

H-Index (Scopus): 1