

Personal Information

Office Phone: [+90 262 303 3392](tel:+902623033392)

Email: cagatay.esi@kocaeli.edu.tr

Other Email: cagatayesi@gmail.com

Web: <https://avesis.kocaeli.edu.tr/cagatay.esi>

International Researcher IDs

ORCID: 0000-0002-6738-055X

Publons / Web Of Science ResearcherID: AAR-6667-2020

Yoksis Researcher ID: 303576

Education Information

Doctorate, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, Turkey 2022 - Continues
Postgraduate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Electronics and Communication Engineering, Turkey 2018 - 2021

Undergraduate, Istanbul University, Turkey 2013 - 2018

Research Areas

Electrical and Electronics Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2019 - Continues

Refereed Congress / Symposium Publications in Proceedings

- I. **Nonlinear Unmixing Based Marine Mucilage Monitoring**
Esi Ç., Ertürk A., Benhalouche F. Z., Karoui M. S., Deville Y.
2024 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Athens, Greece, 7 - 12 July 2024, pp.1-4
- II. **Informed NMF-Based Unmixing Method Addressing Spectral Variability for Marine Mucilage Mapping using Hyperspectral PRISMA Data**
Karoui M. S., Ertürk A., Benhalouche F. Z., Deville Y., Esi Ç.
2024 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Athens, Greece, 7 - 12 July 2024, pp.1-4
- III. **A SHAP-Based Analysis of Remote Sensing Indices for Marine Mucilage Detection and Mapping**
Yardımcı F., Esi Ç., Ertürk A.
2024 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Athens, Greece, 7 - 12 July 2024, pp.1-4
- IV. **Generalized Linear Mixing Model Based Environmental Monitoring of Marine Mucilage**
Esi Ç., Ertürk A., Karoui M. S.

2024 IEEE Mediterranean and Middle-East Geoscience and Remote Sensing Symposium (M2GARSS), Oran, Algeria, 15 - 17 April 2024, pp.1-5

V. Unmixing with Spectral Variability for Marine Mucilage Analysis

Esi Ç., Ertürk A., Karouı M. S.

13th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (WHISPERS), Athens, Greece, 31 October - 02 November 2023, pp.1-5

VI. Temporal Analysis of Marine Mucilage in the Sea of Marmara using Unmixing Based Change Detection

Esi Ç., Ok A. Ö., Erten E., Ertürk A.

IEEE International Geoscience and Remote Sensing Symposium (IGARSS) 2023, California, United States Of America, 16 - 21 July 2023, pp.1-4

Metrics

Publication: 6