



# Melisa CALISKAN DEMIR

## Skills

Machine Learning • Data Analysis • Optimization

## Contact

melisaclskn@hotmail.com

## Education

### Ph.D.:

Industrial Engineering, (Still)  
Yildiz Technical University,  
Istanbul

### Master of Science:

Industrial Engineering, Jan 2022  
Bahcesehir University (%100  
TUBITAK Scholarship)

### Bachelor's Degree:

Mathematics, Jan 2019  
Bahcesehir University  
(%100 OSYM Scholarship)

## Experience

*10/2020 to current*

### Research Assistant, • İstanbul Aydin University – Istanbul

- Assisting the theoretical lectures
- Providing support to research teams and instructors
- Maintain laboratory equipment and inventory
- Following online resources to gather information

*09/2017 to 01/2019*

### TUBITAK Project Assistant, • Bahcesehir University – Istanbul

- Working on TUBITAK 1001 Project: Development of Artificial Intelligence Algorithm Predicting Diet Treatment of Obesity Disease with Changes in Brain Electrical Activity with the Help of EEG.
- Creativity Project with EEG
- Working on TUBITAK Teydeb Project that is about spam detection by using Text Mining and NLP.

## Publications

"Neurological effects of long-term diet on obese and overweight individuals: An EEG and ERP study", Journal of Computational Intelligence, 2022

"Exploring Effects of Creativity Training on Default Mode Network and Attention", 11th International Conference on Electrical and Electronics Engineering (ELECO), 2019

## Conference Presentations

"Modeling Ensemble of CNNs via Semi-infinite Programming", 32nd European Conference on Operation Research (EURO 2022)

"Quality Assessment of Public Spaces: The Case of Beyazit Square and Its Surroundings", 30th European Conference on Operation Research (EURO 2019).