Lect. PhD SEDA NİLGÜN DUMLU

Personal Information

Email: Seda.Dumlu@acibadem.edu.tr

Web: https://avesis.acibadem.edu.tr/Seda.Dumlu

International Researcher IDs

ScholarID: gdD_9mUAAAAJ

ORCID: 0000-0003-4651-4018

Foreign Languages

English, C1 Advanced

Research Areas

Medicine, Artificial Intelligence, Computer Learning and Pattern Recognition, Biomedical Image Processing, Biosignal Processing, Life Sciences, Numerical Neuroscience, Biostatistics and Medical Informatics

Academic Titles / Tasks

Lecturer PhD, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Computer Engineering, 2022 - Continues

Researcher, Harvard University, Massachusetts General Hospital,Harvard Medical School, MGH/HST Athinoula A. Martinos Center for Biomedical Imaging, Department of Radiology, 2017 - 2018

Lecturer, Istanbul Medipol University, Faculty Of Engıneerıng And Natural Scıences, Department Of Computer Engıneerıng, 2015 - 2017

Researcher, Harvard University, Brigham and Women's Hospital, Harvard Medical School, Surgical Planning Laboratory, Department of Radiology , 2010 - 2010

Courses

Medical Image Processing, Postgraduate, 2022 - 2023, 2021 - 2022

Advanced Medical Image Processing, Doctorate, 2022 - 2023

Signals and Systems, Undergraduate, 2022 - 2023

Medical Informatics, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Investigation of functional variability and connectivity in temporal lobe epilepsy: A resting state fMRI study**
Dumlu S. N., Ademoglu A., Sun W.
NEUROSCIENCE LETTERS, vol.733, 2020 (SCI-Expanded)

II. **Detailed tail proteomic analysis of axolotl (Ambystoma mexicanum) using an mRNA-seq reference**

database

Demircan T., Keskin I., Dumlu S. N., Ayturk N., Avsaroglu M. E., Akgun E., Ozturk G., BAYKAL A. T.

PROTEOMICS, vol.17, no.1-2, 2017 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **DETECTING LATERIZATION OF HAEMODYNAMIC RESPONSE DURING EXECUTIVE MOTOR TASK AND MOTOR IMAGERY WITH FNIRS**

Gokdag Y. E., Sansal F., Dumlu S. N., Erdogan S. B., Yilmaz O., Akin A.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.2118-2121

II. **Detecting the Functionality of Executive Motor Task and Motor Imagery Through Electroencephalography (EEG)**

Dumlu S. N., Sahin D., Vardar B., Akin A., DURU A. D.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.2126-2129

III. **Investigation of Verbal Semantic Effects in an Oddball Paradigm through ERP**

Dumlu S. N., Güdücü Ç., Öniz A., Özgören M., Gökçay D.

Proceedings of 17th National Biomedical Engineering Meeting (Biyomut), İstanbul, Turkey, 03 October 2012, pp.17-18

Other Publications

I. **Investigating the Relationship Between Hemodynamic and Behavioral Responses during a Stroop Task using fNIRS**

Şansal F., Dumlu S. N., Erdoğan S. B., Noyan H., Üçok A., Akin A.

Other, 2014

II. **Detecting Hemodynamic Response during Executive Motor Task and Motor Imagery using fNIRS**

Dumlu S. N., Şansal F., Gökdağ Y. E., Erdoğan S. B., Yilmaz Ö., Keskin Ergen H. Y., Akin A.

Other, 2014

III. **Emotion Analysis On Human Face Through Thermal Imaging**

Dumlu S. N., Güler P.

Other, 2011

Metrics

Publication: 8

Citation (WoS): 18

Citation (Scopus): 19

H-Index (WoS): 1

H-Index (Scopus): 2