Lect. PhD SEDA NİLGÜN DUMLU

Personal Information

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International Researcher IDs
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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): 15
Citation (Scopus): 16
H-Index (WoS): 1
H-Index (Scopus): 2