

Lect. PhD SEDA NİLGÜN DURLU

Personal Information

Email: Seda.Durlu@acibadem.edu.tr

Web: <https://avesis.acibadem.edu.tr/Seda.Durlu>

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 Positions

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 Engineering And Natural Sciences, Department Of Computer Engineering, 2015 - 2017

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

Courses

Doctorate

Advanced Medical Image Processing, Doctorate, 2022 - 2023

Postgraduate

Medical Image Processing, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Undergraduate

Signals and Systems, Undergraduate, 2023 - 2024, 2022 - 2023

Medical Informatics, Undergraduate, 2021 - 2022

Journal articles indexed in SCI, SSCI, and AHCI

1. Small world properties of schizophrenia and OCD patients derived from fNIRS based functional brain network connectivity metrics

AKIN A., Yorgancıgil E., Öztürk O. C., SÜTÇÜBAŞI B., KIRIMLI C. E., Elgün Kırımlı E. E., DUMLU S. N., YUKSELEN G., ERDOĞAN S. B.

SCIENTIFIC REPORTS, vol.14, no.1, 2024 (SCI-Expanded)

II. 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)

III. 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)

Papers Presented at Peer-Reviewed Scientific Conferences

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, (Full Text)

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, (Full Text)

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

Dumlu S. N., GÜDÜCÜ Ç., ÖNİZ A., ÖZGÖREN M., GÖKÇAY D.

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

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., Yılmaz 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