

TURGAY BATBAT

ASST. PROF.

Email : turgaybatbat@erciyes.edu.tr

Office Phone : [+90 352 207 6666](tel:+903522076666) Extension: 32987

Address : Mühendislik Fakültesi, Biyomedikal Mühendisliği
Bölümü, 38039 Melikgazi-KAYSERİ

International Researcher IDs

ScholarID: YRIOb-sAAAAJ

ORCID: 0000-0002-0128-2076

Publons / Web Of Science ResearcherID: AAP-5256-2020

ScopusID: 57188928865

Yoksis Researcher ID: 125394



Learning Knowledge

Doctorate
2014 - 2020

Erciyes University, Fen Bilimleri Enstitüsü, Biomedical Engineering, Turkey

Postgraduate
2011 - 2014

Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği A.B.D., Turkey

Undergraduate
2007 - 2011

Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, EVALUATION OF TYPES OF ATTENTION WITH EVOKED POTENTIAL SIGNALS OBTAINED BY AUDITORY AND VISUAL STIMULI, Erciyes University, Fen Bilimleri Enstitüsü, Biomedical Engineering, 2020

Postgraduate, PROTEİN YAPISININ YAPAY ARI KOLONİSİ ALGORİTMASI İLE TAHMİNİ, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği A.B.D., 2014

Academic Titles / Tasks

Assistant Professor
2021 - Continues

Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği

Research Assistant
2013 - 2021

Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği

Supported Projects

1. GÜVEN A., BATBAT T., DEMİRCİ E., Dolu N., İzzetoğlu M., TUBITAK Project, Gençlerde, İnternet Oyun Bağımlılığının Beyin Fonksiyonlarına Etkisinin Elektroensefalografi, Olay İlişkili Potansiyeller Ve Fonksiyonel Yakın Kızılötesi Spektroskopi Sinyalleriyle Analizi: Çok Ölçümlü Yaklaşım, 2022 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Combining functional near-infrared spectroscopy and EEG measurements for the diagnosis of attention-deficit hyperactivity disorder**
Güven A., Altınkaynak M., Dolu N., İzzetoğlu M., Pektaş F., Özmen S., Demirci E., Batbat T.
Neural Computing and Applications, vol.32, pp.8367-8380, 2020 (Peer-Reviewed Journal)
2. **Evaluation of divided attention using different stimulation models in event-related potentials**
Batbat T., Güven A., Dolu N.
Medical and Biological Engineering and Computing, vol.57, no.9, pp.2069-2079, 2019 (Peer-Reviewed Journal)
3. **Evaluation of filters over different stimulation models in evoked potentials**
Güven A., Batbat T.
Biocybernetics and Biomedical Engineering, vol.39, pp.339-349, 2019 (Peer-Reviewed Journal)
4. **Prediction of Slipper Pressure Distribution and Leakage Behaviour in Axial Piston Pumps Using ANN and MGGP**
ÖZMEN Ö., SİNANOĞLU C., BATBAT T., GÜVEN A.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2019, 2019 (Peer-Reviewed Journal)
5. **Optimum Assembly Sequence Planning System Using Discrete Artificial Bee Colony Algorithm**
Özmen Ö., Batbat T., Ozen T., Sinanoğlu C., Güven A.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2018, 2018 (Peer-Reviewed Journal)
6. **Analysis of the Effect of Auditory and Visual Stimuli on Divided Attention via P300 Wave**
Güven A., Dolu N., Batbat T., Demir M.
ACTA PHYSIOLOGICA, vol.215, pp.95, 2015 (Peer-Reviewed Journal)

Articles Published in Other Journals

1. **Protein Structure Prediction with Discrete Artificial Bee Colony Algorithm**
Batbat T., Öztürk C.
INTERNATIONAL JOURNAL OF INFORMATICS TECHNOLOGIES, vol.9, pp.263-274, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

1. **Olay İlişkili Potansiyeller Üzerinden Dikkatin Hu Momentleri Yardımıyla Tespiti**
Batbat T., Güven A., Dolu N.
7th International Symposium on Innovative Technologies in Engineering and Science, Şanlıurfa, Turkey, 22 - 24 November 2019, pp.553-562
2. **ANALYSIS OF ELECTROCARDIOGRAM SIGNALS WITH PYTHON**

Yılmaz E., Çamdal A., GÜVEN A., BATBAT T.

II. International Scientific and Vocational Studies Congress, 5 - 07 July 2018

3. **Evaluation of the Effects of Stimulus Types over Attention Based on Hjorth Parameters with Electroencephalography**

BATBAT T., GÜVEN A., DOLU N.

EUROPEAN CONFERENCE ON SCIENCE, ART CULTURE, 19 - 22 April 2018

4. **Exploration of gender differences on attention levels with cancellation tests**

GÜVEN A., BATBAT T., Emekli N. D. , Demir M.

2017 Medical Technologies National Conference, TIPTEKNO 2017, Trabzon, Turkey, 12 - 14 October 2017, pp.1-3

5. **Farklı Dikkat Tiplerinin Uyarılmış Potansiyeller İle Sınıflandırılması**

Batbat T., Güven A., Dolu N., Demir M.

Tıp Teknolojileri Kongresi, TIPTEKNO2016, Antalya, Turkey, 27 - 29 October 2016, pp.106-109

6. **Farklı Dikkat Durumlarının Uyarılmış Potansiyeller Üzerine Etkisinin P100 Dalgası ile Analizi**

GÜVEN A., DOLU N., BATBAT T., Demir M.

Tıptekno'15, Muğla, Turkey, 15 - 18 October 2015, pp.197-200

7. **Analysis of the Effect of Auditory and Visual Stimuli on Divided Attention via P300 Wave**

GÜVEN A., DOLU N., BATBAT T., Demir M.

41. Ulusal Fizyoloji Kongresi, Çanakkale, Turkey, 9 - 13 September 2015, pp.224-225

Academic and Administrative Experience

2021 - Continues	Bölüm MÜDEK Koordinatör Yardımcısı	Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği
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Courses

Biyostatistics, Undergraduate, 2020 - 2021

Visual Programming, Undergraduate, 2020 - 2021

Visual Programming, Undergraduate, 2020 - 2021

Probability Theory, Undergraduate, 2020 - 2021

Biyomedikal Tasarım ve Uygulama, Undergraduate, 2020 - 2021

Biostatistics, Undergraduate, 2020 - 2021

Probability Theory, Undergraduate, 2020 - 2021

Biyomedikal Mühendisliğine Giriş, Undergraduate, 2020 - 2021

Python Programlama, Undergraduate, 2020 - 2021

Python Programlama, Undergraduate, 2020 - 2021

Biyomedikal Mühendisliğine Giriş, Undergraduate, 2020 - 2021

Scientific Refereeing

Journal of Pediatric Neurology, Journal Indexed in ESCI, May 2020

MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, Journal Indexed in SCI-E, March 2020

APPLIED SOFT COMPUTING, Journal Indexed in SCI-E, January 2020

JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING, Journal Indexed in SCI-E, December 2018

COGNITIVE NEURODYNAMICS, Journal Indexed in SCI-E, November 2017

Metrics

Publication: 16

Citation (WoS): 31

Citation (Scopus): 42

H-Index (WoS): 3

H-Index (Scopus): 4

Congress and Symposium Activities

7th International Symposium on Innovative Technologies in Engineering and Science, Working Group, Şanlıurfa, Turkey, 2019

EUROPEAN CONFERENCE ON SCIENCE, ART CULTURE, Working Group, Antalya, Turkey, 2018

TIPTEKNO2016, Working Group, Antalya, Turkey, 2016

Tıptekno'15, Working Group, Muğla, Turkey, 2015

Research Areas

Computer Sciences, bioinformatics, Biocomputing, Artificial Intelligence, Computer Learning and Pattern Recognition, Evolutionary Computing, Neural Networks, Biomedical Engineering, Biosignal Processing, Biosignal Processing, Engineering and Technology