

## Res. Asst. ERKAN ÖDEMİŞ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2015 - 2022

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği, Turkey 2012 - 2015

Undergraduate, Cukurova University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2007 - 2012

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, Design of a Control System for Rehabilitation Robotic Arm Orthosis, Cukurova University, Fen Bilim Enstitüsü, Biyomedikal Mühendisliği, 2015

### Research Areas

Information Systems, Communication and Control Engineering, Robotics and Mechatronics Systems, Field and Service Robots, Biomedical Engineering, Rehabilitation, Mechanical Engineering, Machine Theory and Dynamics, Robotics, Engineering and Technology

### Academic Titles / Tasks

Research Assistant PhD, Cukurova University, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2012 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- Clinical evaluation of a patient participation assessment system for upper extremity rehabilitation exercises**  
Ödemis E., Baysal C. V.  
Medical & Biological Engineering & Computing, vol.63, no.1, pp.1-17, 2024 (SCI-Expanded)

## II. Development of a participation assessment system based on multimodal evaluation of user responses for upper limb rehabilitation

Ödemiş E., Baysal C. V.

BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.70, no.1, pp.1-27, 2021 (SCI-Expanded)

## Articles Published in Other Journals

### I. Design and Evaluation of a Multi-Mode Robotic Arm Orthosis using Musculoskeletal Simulation

Ödemiş E., Baysal C. V.

Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.33, no.3, pp.133-144, 2018 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

### I. Experimental evaluation of the effects of therapy task difficulty adjustment algorithms on patient active participation

Ödemiş E., Baysal C. V.

5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2024), Ankara, Turkey, 26 - 28 June 2024, pp.755-762

## Supported Projects

BAYSAL C. V., ÖDEMİŞ E., Project Supported by Higher Education Institutions, DEVELOPMENT OF A MULTIMODAL PARTICIPATION ASSESSMENT SYSTEM FOR UPPER LIMB REHABILITATION, 2019 - 2022

AVCI M., GÜVEN M., BAYSAL C. V., AYDIN A., İSTANBULLU M., ÖDEMİŞ E., KESKİNOĞLU C., Project Supported by Higher Education Institutions, BİYOMEDİKAL MÜHENDİSLİĞİ BÖLÜMÜ LİSANS ÖĞRENCİ LABORATUVARLARININ GENİŞLETİLMESİ VE GELİŞTİRİLMESİ, 2018 - 2019

GÜVEN M., AVCI M., CENGİZLER Ç., BAYSAL C. V., EROĞLU D. A., ÖDEMİŞ E., Project Supported by Higher Education Institutions, ÖĞRENCİ LABORATUVARLARI ALTYAPI GELİŞTİRME PROJESİ, 2014 - 2015

BAYSAL C. V., ÖDEMİŞ E., Project Supported by Higher Education Institutions, Rehabilitasyon Amaçlı Robotik Kol Ortezi İçin Kontrol Sistemi Tasarımı, 2014 - 2015

## Metrics

Publication: 4