

## Res. Asst. Begüm YALÇIN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: HJP-0324-2023

ScopusID: 57209064911

Yoksis Researcher ID: 291151

### Research Areas

Motion Analysis, Clinical Robots, Rehabilitation

### Academic Titles / Tasks

Research Assistant, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2018 - Continues

### Courses

Biomechanics Laboratory, Undergraduate, 2023 - 2024

Medical Electronics Laboratory, Undergraduate, 2023 - 2024

Point of Care Technologies Laboratory, Undergraduate, 2023 - 2024

Physics I Laboratory, Undergraduate, 2023 - 2024

Basic Chemistry Laboratory, Undergraduate, 2023 - 2024

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

- I. **Balance Control via Tactile Biofeedback in Children with Cerebral Palsy**  
ARGUNSAH H., YALÇIN B.  
ACTA OF BIOENGINEERING AND BIOMECHANICS, vol.25, no.1, pp.161-171, 2023 (SCI-Expanded)
- II. **The influence of biofeedback on physiological and kinematic variables of treadmill running**  
Bayram H., Yalçın B.  
International Journal of Performance Analysis in Sport, vol.21, no.1, pp.156-169, 2021 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Real-time tactile biofeedback device use for improving balance control of an adolescent with medulloblastoma**  
ARGUNSAH H., YALÇIN B.

JOURNAL OF ENABLING TECHNOLOGIES, vol.17, no.3/4, pp.73-83, 2023 (ESCI)

**II. Real-Time Balance Feedback Mechanism For Orthopedic and Neuromuscular Diseases Rehabilitation Practices**

Argunşah Bayram H., Yalçın B.

Acıbadem Sağlık Bilimleri Dergisi, vol.11, no.3, pp.412-417, 2020 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Investigation of Glenohumeral Internal Rotation Deficit Tendency of Adolescent Female Volleyball Players with Inertial Measurement Unit Based Motion Capture System during Passive and Dynamic Movements**  
Yalçın B., Argunşah H.  
Neuroscience 2021, Washington, United States Of America, 8 - 11 November 2021, pp.1
- II. **Changes in postural control and kinematic variables in response to ankle joint taping in professional basketball players**  
Yalçın B., Argunşah H.  
Neuroscience 2021, Washington, United States Of America, 8 - 11 November 2021, pp.1
- III. **Real Time Balance Feedback Mechanism During Orthopedic and Neuromuscular Disease Rehabilitation**  
Yalçın B., Argunşah Bayram H.  
Society for Neuroscience 2018, California, United States Of America, 3 - 07 November 2018, pp.1
- IV. **Investigation of biological feedback influence on posture and knee biomechanics during running**  
YALÇIN B., Bayram H. A., Bayram M. B., Isik A.  
21st National Biomedical Engineering Meeting, BIYOMUT 2017, İstanbul, Turkey, 24 - 26 November 2017

## **Supported Projects**

Argunşah H., Yalçın B., Project Supported by Higher Education Institutions, 20 yaş altı basketbol oyuncularında ayak bileğinin teyp bandaj ile yargılanmasının postüral kontrol ve yaralanma önleme üzerindeki etkilerinin giyilebilir hareket analizi sistemi ile incelenmesi , 2021 - 2021

Yalçın B., Argunşah Bayram H., Project Supported by Higher Education Institutions, Kablosuz Haberleşme Yöntemi Kullanarak Düşmeyi Algılayan ve İlgili Birimlere Uyarı Veren Giyilebilir Cihaz, 2018 - 2019

## **Scientific Research / Working Group Memberships**

Acıbadem Data Analitics Lab (Ada Lab), Acıbadem Mehmet Ali Aydınlar University, Turkey, <https://www.adalaboratory.org/>, 2018 - Continues

Biomechanics Laboratory, Acıbadem Mehmet Ali Aydınlar University, Turkey, <https://www.adalaboratory.org/>, 2018 - Continues

## **Metrics**

Publication: 9

Citation (WoS): 6

Citation (Scopus): 7

H-Index (WoS): 1

H-Index (Scopus): 1

## **Congress and Symposium Activities**

Lab to Market Fulbright Enrichment Seminar, Attendee, Massachusetts, United States Of America, 2023

## **Scholarships**

Ph.D. Dissertation Research Grant, Fulbright Program, 2022 - 2023