

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

Education

Doctorate, Acibadem Mehmet Ali Aydinlar University, Graduate School Of Natural And Applied Sciences, Biomedical Engineering, Turkey 2020 - Present

Postgraduate, Acibadem Mehmet Ali Aydinlar University, Graduate School Of Natural And Applied Sciences, Medical Engineering, Turkey 2016 - 2019

Undergraduate, Yeditepe University, Faculty of Engineering, Department of Biomedical Engineering, Turkey 2010 - 2016

Research Areas

Motion Analysis, Clinical Robots, Rehabilitation

Academic Positions

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

Courses

Undergraduate

Biomechanics Laboratory, Undergraduate, 2024 - 2025, 2023 - 2024

Biomechanics Laboratory, Undergraduate, 2023 - 2024

Physics I Laboratory, Undergraduate, 2024 - 2025, 2023 - 2024

Signals and Systems Laboratory, Undergraduate, 2024 - 2025

Medical Electronics Laboratory, Undergraduate, 2023 - 2024

Point of Care Technologies Laboratory, Undergraduate, 2023 - 2024

Basic Chemistry Laboratory, Undergraduate, 2023 - 2024

Journal articles indexed in SCI, SSCI, and AHCI

1. Interlimb Biomechanics of Female Football Players during Vertical Jump as a Predictor of Anterior

Cruciate Ligament Ruptures

Katircioğlu Z., Yalçın B., Işık A., Yargıç P. M., Argunsah H.

ACTA OF BIOENGINEERING AND BIOMECHANICS, vol.28, no.2, pp.1-10, 2025 (SCI-Expanded)

II. 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)

III. 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)

Papers Presented at Peer-Reviewed Scientific Conferences

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., Argunsah H.

Neuroscience 2021, Washington, United States Of America, 8 - 11 November 2021, pp.1, (Summary Text)

II. Changes in postural control and kinematic variables in response to ankle joint taping in professional basketball players

Yalçın B., Argunsah H.

Neuroscience 2021, Washington, United States Of America, 8 - 11 November 2021, pp.1, (Summary Text)

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, (Summary Text)

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, (Full Text)

Funded Projects

Argunsah 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

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

Acibadem Data Analytics Lab (Ada Lab), Acibadem Mehmet Ali Aydinlar University, Turkey, <https://www.adalaboratory.org/>, 2018 - Continues

Metrics

Publication: 10

Citation (WoS): 8

Citation (Scopus): 10

H-Index (WoS): 1

H-Index (Scopus): 2

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