

# Res. Asst. ZELİHA COŞKUN TAŞ

## Personal Information

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### International Researcher IDs

ORCID: 0000-0001-6901-3465

Publons / Web Of Science ResearcherID: AAR-4722-2020

Yoksis Researcher ID: 304971

## Education Information

2021 - Continues	Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Biyomedikal Mühendisliği Bölümü, Turkey
2019 - 2021	Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Biyomedikal Mühendisliği Bölümü, Turkey
2012 - 2017	Undergraduate, Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği , Turkey

## Foreign Languages

English, C1 Advanced

## Research Areas

Engineering and Technology

## Academic Titles / Tasks

2019 - Continues	Research Assistant, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği
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## Published journal articles indexed by SCI, SSCI, and AHCI

- Metatarsal bone model production using 3D printing and comparison of material properties with results obtained from CT-based modeling and real bone**  
COŞKUN Z., ÇELİK T., KİŞİOĞLU Y.  
Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, vol.237, pp.481-488, 2023 (SCI-Expanded)

## Articles Published in Other Journals

- Design and Manufacture of the Torque Test Setup For Small and Shapeless Materials**  
COŞKUN Z., ÇELİK T., KİŞİOĞLU Y.  
Turkish Journal of Engineering, vol.6, no.1, pp.81-86, 2022 (Scopus)
- Comparison of the stress distribution between high-heeled and flat shoes on the first metatarsal bone**  
COŞKUN Z., ÇELİK T., KİŞİOĞLU Y.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.24, no.3, pp.1303-1308, 2021 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **3D YAZICI İLE ÜRETİLEN METATARSAL KEMİK MODELİNİN BURULMA TESTİ İLE MEKANİK ÖZELLİKLERİNİN BELİRLENMESİ VE GERÇEK KEMİK İLE KARŞILAŞTIRILMASI**  
ÖZKAN A., ÇELİK T., Çolak S., COŞKUN TAŞ Z., Ayal M., Hepgüler Z., Hantal F.  
IMASCON, Kocaeli, Turkey, 09 June 2023
- II. **OBTAINING BONE MODEL SIMILAR TO THE MATERIAL PROPERTIES OF THE FIRST METATARSAL BONE USING 3D PRINTER TECHNOLOGY**  
Coşkun Z., Çelik T.  
5. International Conference on Life and Engineering Sciences (ICOLES 2022), Antalya, Turkey, 19 - 22 May 2022, pp.1-5
- III. **DESIGN OF NEW PEDICLE SCREW AND BIOMECHANICAL EVALUATION USING FINITE ELEMENT ANALYSIS**  
Coşkun Z., Çelik T.  
3 RD INTERNATIONAL CONFERENCE ON APPLIED ENGINEERING AND NATURAL SCIENCES, Konya, Turkey, 20 - 23 July 2022, vol.1, no.1, pp.567-568
- IV. **Design and Manufacture of the Torque Test Setup for Small and Shapeless Materials**  
Coşkun Z., Çelik T., Kişioğlu Y.  
5th International Engineering and Natural Sciences Conference, Diyarbakır, Turkey, 4 - 06 November 2020, pp.1-10

## Supported Projects

2023 - Continues	Fonksiyonel derecelendirilmiş seramik ve/veya polimer katkılı titanyum implant üretimi ve karakterizasyonu, Project Supported by Higher Education Institutions
2020 - 2021	El ve Ayak Parmak Kemikleri için Burulma ve Dört Nokta Eğme Test Sistemi Geliştirilmesi, Project Supported by Higher Education Institutions

## Scientific Refereeing

May 2023	Journal of Materials Engineering and Performance, SCI Journal
April 2022	Sakarya Üniversitesi Fen bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal
October 2020	Physical and Engineering Sciences in Medicine, Journal Indexed in ESCI

## Metrics

Publication: 7  
Citation (WoS): 1  
H-Index (WoS): 1