

**Res. Asst. MUHAMMED FURKAN  
ERHAN**



**Personal Information**

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**International Researcher IDs**

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Publons / Web Of Science ResearcherID: AHB-5542-2022

ScopusID: 58918018100

Yoksis Researcher ID: 299290



**Education Information**

Doctorate, Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği, Turkey 2021 -  
Continues

Postgraduate, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2018 -  
2021

Undergraduate, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey  
2012 - 2017

**Dissertations**

Postgraduate, Mathematical Modelling of Metal and Functionally Graded Composite Structure Under The Influence of Internal Pressure and Temperature, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2021

**Research Areas**

Electrical Machine Theory and Design, Mechanical Engineering, Non-traditional manufacturing methods, Mechanical Vibrations, Solid Mechanics, Finite Element Methods

**Academic Titles / Tasks**

Research Assistant, Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği, 2020 - Continues

Research Assistant, Baskent University, Faculty Of Engineering, Department Of Mechanical Engineering, 2019 - 2020

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

- Investigation on the effect of corner error in WEDM taper cutting process of Ti-6Al-4V**  
BAYRAKTAR Ö., ERHAN M. F.  
International Journal of Computer Integrated Manufacturing, 2024 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **ÖSTEMPERLENMİŞ KÜRESEL GRAFİTLİ DÖKME DEMİRİN İŞLEME PERFORMANSI ÜZERİNE TEL EROZYON PARAMETRELERİNİN ETKİSİ**  
Gül F., Erhan M. F., Turgut Y.  
4. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Antalya, Turkey, 30 November 2023, pp.629-636
- II. **Investigation of Elastic Behavior of Internal and External Pressure Loading in a Cylinder System Consisting of Single and Functionally Graded Materials**  
Erhan M. F., Türkbaş O. S.  
III. INTERNATIONAL NEW YORK CULTURAL INTERACTION AND ACADEMIC STUDIES CONGRESS, New York, United States Of America, 29 - 30 May 2021, pp.359-373
- III. **İÇ BASINÇ VE SICAKLIK ETKİSİNDE BULUNAN TEK TİP VE FONKSİYONEL DERECELENDİRİLMİŞ MALZEMENİN MATEMATİKSEL MODELLENMESİ**  
Erhan M. F., Türkbaş O. S.  
Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi – Mühendislik, Ankara, Turkey, 12 - 15 December 2020, pp.35-36

## Metrics

Publication: 4

## Non Academic Experience

ROKETSAN

ASELSAN

TÜBİTAK-SAGE