

## Asst. Prof. EBUZER AYGÜL

### Personal Information

**Email:** ebuzeraygul@hakkari.edu.tr

**Web:** <https://avesis.hakkari.edu.tr/ebuzeraygul>

### International Researcher IDs

ORCID: 0000-0003-0930-3975

Publons / Web Of Science ResearcherID: ABB-2712-2020

Yoksis Researcher ID: 14369

### Education Information

Doctorate, Marmara University, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği (Dr), Turkey 2015 - 2020

Doctorate, Marmara University, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği (Dr), Turkey 2015 - 2020

Postgraduate, Marmara University, Fen Bilimleri Enstitüsü, Mekatronik (YI) (Tezli), Turkey 2013 - 2015

Undergraduate, Yildiz Technical University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2007 - 2012

### Dissertations

Doctorate, Biyomedikal uygulamalarda kullanılan saf titanyum/kobalt ve alaşımlarının toz metalurjisi yöntemi ile üretilmesi ve uygulanabilirliğinin araştırılması, Marmara University, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği (Dr), 2020

Doctorate, BİYOMEDİKAL UYGULAMALARDA KULLANILAN SAF TİTANYUM/KOBALT VE ALAŞIMLARININ TOZ METALURJİSİ YÖNTEMİ İLE ÜRETİLMESİ VE UYGULANABİLİRLİĞİNİN ARAŞTIRILMASI, Marmara University, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği (Dr), 2020

Postgraduate, Ultrasonik motor'xxun modellenmesi ve bilgisayar destekli kontrolü, Marmara University, Fen Bilimleri Enstitüsü, Mekatronik (YI) (Tezli), 2015

### Academic Titles / Tasks

Research Assistant, Hakkari University, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2013 - Continues

Research Assistant, Marmara University, Fen Bilimleri Enstitüsü, Mekatronik (YI) (Tezli), 2013 - Continues

Hakkari University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler Bölümü, 2022 - 2022

### Academic and Administrative Experience

Hakkari University, 2021 - Continues

### Articles Published in Other Journals

#### I. MOTORLU ARAÇLARDA BİNALARDA SES VE ISI YALITIMI İÇİN MALZEME TASARIMI

AYGÜL E., YALÇINKAYA S., Öner A.

ULUSLARARASI HAKEMLİ MÜHENDİSLİK VE FEN BİLİMLERİ DERGİSİ, no.17, 2022 (Peer-Reviewed Journal)

- II. **TITANIUM IMPLANT FOR DENTAL APPLICATIONS USING 3D PRINTING TECHNOLOGY**  
AYGÜL E., YALÇINKAYA S., ŞAHİN Y.  
International Journal of 3D Printing Technologies and Digital Industry, vol.4, no.2, pp.171-177, 2020 (Peer-Reviewed Journal)
- III. **MEMS Fabrication using 2PP Technique Based 3D Printer**  
ERTUĞRUL İ., AKKUŞ N., AYGÜL E., YALÇINKAYA S.  
International Journal of 3D Printing Technologies and Digital Industry, vol.4, no.1, pp.12-17, 2020 (Peer-Reviewed Journal)
- IV. **MEMS Fabrication using PµSL Technique Based 3D Printer**  
ERTUĞRUL İ., AKKUŞ N., AYGÜL E., YALÇINKAYA S., ERTUNÇ H. M.  
International Journal of 3D Printing Technologies and Digital Industry, vol.4, no.1, pp.38-43, 2020 (Peer-Reviewed Journal)
- V. **investigation of Microstructure, Mechanical and temperature Effects on Biomedical Co-25Cr-9, 5W-3, 5Mo-1Si alloys fabricated by additive manufacturing**  
AYGÜL E., YALÇINKAYA S., ŞAHİN Y.  
Materials Research Express 7(3):035402, vol.1, no.1, pp.1-11, 2019 (Peer-Reviewed Journal)
- VI. **Piezo Motor**  
AYGÜL E., AKÜNER M. C.  
Otomasyon, 2018 (Non Peer-Reviewed Journal)
- VII. **DESIGN AND CONTROL OF PLASTIC BOTTLE BREAKING AND STORAGE MACHINE**  
ERSOY S., AYGÜL E., TOPTAŞ E.  
Journal of the Technical University of Gabrovo, vol.56, pp.30-32, 2018 (Peer-Reviewed Journal)
- VIII. **The Methods Used in the Automotive Production: Hemming Operations Planning**  
ERSOY S., ERTUĞRUL İ., AYGÜL E.  
Engineering and Applied Science, vol.1, no.1, pp.103-106, 2018 (Peer-Reviewed Journal)
- IX. **Measurement of Noise Level: Applied Fair Area**  
ERSOY S., AYGÜL E., ERTUĞRUL İ.  
APPLIED TECHNOLOGIES AND INNOVATIONS, vol.13, no.2, pp.15-18, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **MEMS & NEMS Basınç Sensörlerin Tıbbi Uygulamaları**  
ÜLKİR O., ERTUĞRUL İ., AYGÜL E., YALÇINKAYA S.  
in: Mühendislik ve Multidisipliner Yaklaşımlar, AKDOĞAN EKER Ayşegül, DİKİCİOĞLU Adnan, Editor, Güven Plus Grup A.Ş. Yayınları, İstanbul, pp.354-366, 2019
- II. **"BİYOMEDİKAL UYGULAMALARDA KULLANILAN Co-Cr-W ve Co-Cr-Mo METAL ALAŞIMLARININ EKLEMELİ İMALAT YÖNTEMİ İLE ÜRETİLMESİ"**  
AYGÜL E., YALÇINKAYA S., ŞAHİN Y.  
in: MÜHENDİSLİK VE MULTİDİSİPLİNER YAKLAŞIMLAR, Prof. Dr. Ayşegül AKDOĞAN EKER, Prof. Dr. Adnan DİKİCİOĞLU, Editor, Güven Plus Grup A.Ş. Yayınları, İstanbul, pp.30-42, 2019
- III. **MEMS/NEMS Basınç Sensörlerin Tıbbi Uygulamaları**  
ÜLKİR O., ERTUĞRUL İ., AYGÜL E., YALÇINKAYA S.  
in: Mühendislik ve Multidisipliner Yaklaşımlar, Prof. Dr. Ayşegül AKDOĞAN EKER, Prof. Dr. Adnan DİKİCİOĞLU, Editor, Güven Plus Grup A.Ş. Yayınları, İstanbul, pp.354-366, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **PRODUCTION OF PURE TITANIUM METAL POWDER BY POWDER METALLURGY SINTERING TECHNIQUE**

AYGÜL E., YALÇINKAYA S., ŞAHİN Y.

5th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, İstanbul, Turkey, 21 - 22 November 2019, vol.5, pp.554-558

II. **Analysis of MEMS Based Accelerometer Sensor via COMSOL**

ERTUĞRUL İ., AYGÜL E., YALÇINKAYA S., ÜLKİR O.

5th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 21 - 22 November 2019, vol.5, pp.210-215

III. **“Preparation, growth, and magnetic properties of nonvacuum Mg doped ZnMnO diluted magnetic semiconductors nanoparticles”**

BOYRAZ C., ARDA L., GÜLER A., AYGÜL E., AKSU P.

INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIAL SCIENCES, 14-19 OCTOBER 2019, 14 - 19 October 2019

IV. **Manufacturing of Co–Cr and Co–Cr–Mo Alloys By SLM Techniques and Measurement of Microhardness / Density Values Used in Medical Application**

AYGÜL E., YALÇINKAYA S., ŞAHİN Y.

3rd International Congress on 3d Printing (Additive Manufacturing) Technologies and Digital Industry, Antalya, Turkey, 11 - 14 April 2019, vol.7

V. **Titanium Implant For Dental Applications Using 3d Technology**

YALÇINKAYA S., AYGÜL E., ŞAHİN Y.

3rd International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018, pp.160

VI. **MANUFACTURING OF Co–Cr AND Co–Cr–Mo ALLOYS BY SLM TECHNIQUES AND MEASUREMENT OF MICROHARDNESS/ DENSITY VALUES USED IN MEDICAL APPLICATION**

AYGÜL E., YALÇINKAYA S., ŞAHİN Y.

4th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2019, Antalya, Turkey, 11 - 14 April 2019, pp.886

VII. **Modbus TCP/IP Protokolü İle Gerçek Zamanlı PLC-Simulink Haberleşmesi**

ERTUĞRUL İ., AKKUŞ N., AYGÜL E., ÖNAL S. T.

International Academic Research Congress- INES 2017, Antalya, Turkey, 18 - 21 October 2017

VIII. **Automatic Integrated Glass Cleaning System Design and Architecture**

ERSOY S., AYGÜL E., ERTUĞRUL İ.

International Scientific Conference Design of Machines And Instruments- Unitech 2017, Gabrovo, Bulgaria, 17 - 18 November 2017, pp.43

IX. **DESIGN AND CONTROL OF PLASTIC BOTTLE BREAKING AND STORAGE MACHINE**

ERSOY S., AYGÜL E., TOPTAŞ E.

UNITECH 2017 INTERNATIONAL SCIENTIFIC CONFERENCE TECHNOLOGIES IN MECHANICAL ENGINEERING, Bulgaria, 17 - 18 November 2017, pp.61

X. **MODBUS TCP/IP PROTOKOLÜ İLE GERÇEK ZAMANLI PLC-SIMULINK HABERLEŞMESİ**

ERTUĞRUL İ., AYGÜL E., AKKUŞ N.

II. INTERNATIONAL ACADEMIC RESEARCH CONGRESS, 30 October 2017, pp.667

XI. **YAPAY SİNİR AĞLARI İLE PİEZO MOTOR İÇİN KONTROLÖR TASARIMI**

AYGÜL E., AKÜNER M. C.

II. INTERNATIONAL ACADEMIC RESEARCH CONGRESS, Antalya, Turkey, 30 October 2017, pp.664

XII. **Yapay Sinir Ağları İle Piezo Motor İçin Kontrolör Tasarımı**

AYGÜL E., AKÜNER M. C.

INES 2017 II. International Academic Research Congress, 18 - 21 October 2017, vol.1

## Metrics

H-Index (WoS): 1