

## Res. Asst. ÖMER BURAK İSTANBULLU

### Personal Information

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Biyomedikal Mühendisliği Bölümü, Kat:3, Oda: E1-308, PK:

38039, Melikgazi, Kayseri



### Education Information

Doctorate, Erciyes Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği , Turkey 2016 - Continues

Post Graduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği , Turkey 2014 - 2016

Post Graduate, İstanbul Teknik Üniversitesi, Elektronik Ve Haberleşme Mühendisliği, Biyomedikal Mühendisliği, Turkey 2013 - 2014

Under Graduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği , Turkey 2009 - 2013

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Health&Medicine, Deney Hayvanları Kullanımı Sertifikası - A Kategorisi, Erciyes Üniversitesi Hayvan Deneyleri Yerel Etik Kurulu, 2019

Education Management and Planning, Mimics Innovations Suite, Btech - Certified Training Center of Materialise, 2017

### Dissertations

Post Graduate, MEDİKAL İMPLANTLARDA KULLANILAN BİYOMALZEMELERİN MANYETİK REZONANS CİHAZI UYUMLULUĞUNUN VE GÜVENİLİRLİĞİNİN ANALİZİ , Erciyes Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği , 2016

### Research Areas

Technical Sciences, Biomedical Engineering, Biomechanics, Artificial Organs and Biomaterials, Metallurgical and Materials Engineering, Material science and engineering, Corrosion and Corrosion Protection, Biomaterials, Surface Finishing Processes

### Academic Titles / Tasks

Research Assistant, Erciyes Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği , 2014 - Continues  
Research Assistant, Kocaeli Üniversitesi, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2013 - 2014

## Professional Experience

## Articles Published in Other Journals

- I. **A Simulation Study of Galvanic Corrosion Potential on the Surface of Implantable Biometallic Couples**  
İstanbul Ö. B. , Akdoğan G.  
Journal of Bio- and Tribo-Corrosion, vol.7, pp.1-9, 2021 (Refereed Journals of Other Institutions)
- II. **Effects of Material Selection and Design on Restenosis and Other Stent Based Problems in Intravascular Stents, The Situation of Stents in the Economy (A Review)**  
Akdoğan G., İstanbul Ö. B.  
Avrupa Bilim ve Teknoloji Dergisi, pp.204-215, 2020 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Latest Generation of Vascular Stent Designs and Past/Future Technological Trends**  
AKDOĞAN G., İSTANBULLU Ö. B.  
II. International Congress on New Trends in Science, Engineering and Technology, Roma, Italy, 4 - 06 September 2018
- II. **Early Degradation Problem of Biodegradable Stents ISBN: 978-605-67206-3-5**  
AKDOĞAN G., İSTANBULLU Ö. B.  
2nd International Congress on Advances in Bioscience and Biotechnology (ICABB), 26 - 30 June 2018, no.550, pp.29-30
- III. **Recent Developments in Vascular Stent Technologies**  
İSTANBULLU Ö. B. , AKDOĞAN G.  
EUROPEAN CONFERENCE ON SCIENCE, ART & CULTURE, Antalya, Turkey, 19 - 22 April 2018, pp.105
- IV. **Computer simulation of the electromagnetic interaction between an implanted conductive medical wire and 1.5 T MRI device**  
İSTANBULLU Ö. B. , AKDOĞAN G.  
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- V. **Effects of metallic implants on magnetic resonance images**  
İSTANBULLU Ö. B. , AKDOĞAN G.  
3rd World Congress on Materials Science & Engineering, Barcelona, Spain, 24 - 26 August 2017, pp.35
- VI. **Assessment of Safety Issues in MRI Monitoring of Patients with Metallic Implant**  
AKDOĞAN G., İSTANBULLU Ö. B.  
IWBBIO 2017 International Work-Conference on Bioinformatics and Biomedical Engineering, Granada, Spain, 26 - 28 April 2017, pp.212-216
- VII. **MRG Uyumluluk ve Güvenilirlik Risklerinin Biyomalzemeler için Değerlendirilmesi**  
İSTANBULLU Ö. B. , AKDOĞAN G.  
TIPTEKNO'15 - Tıp Teknolojileri Ulusal Kongresi, Muğla, Turkey, 15 - 18 October 2015, pp.491-494

## Supported Projects

AKDOĞAN G., İSTANBULLU Ö. B. , Project Supported by Higher Education Institutions, Medikal İmplantlarda Kullanılan

Malzemelerin Manyetik Rezonans Cihazı Uyumluluğunun ve Güvenilirliğinin Analizi, 2015 - 2017

### **Invited Congress and Symposium Activities**

European Conference on Science, Art&Culture, Attendee, Antalya, Turkey, 2018

3rd World Congress on Materials Science & Engineering, Attendee, Barcelona, Spain, 2017

European Biotechnology Congress 2017, Attendee, Dubrovnik, Croatia, 2017

Tıptekno'15 Ulusal Kongresi, Attendee, Muğla, Turkey, 2015