

## Res. Asst. PhD ERHAN BALCI

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: C-7501-2018

ScopusID: 55346090300

Yoksis Researcher ID: 36356

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Bölümü, Turkey 2014 - 2024

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2012 - 2014

Undergraduate, Tobb University Of Economics And Technology, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2005 - 2011

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, AZ31 ve AA6082 alaşımlarının aşındırıcılı su jeti ile delik delme işlemine etki eden parametrelerin optimizasyonu, Kocaeli University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Bölümü, 2024

Postgraduate, Silisyum Karbür ve Alümina Takviyeli Alüminyum Esaslı İşlevsel Dereceli Malzemelerin Balistik Performansının İncelenmesi, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2014

### Academic Titles / Tasks

Research Assistant, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2012 - Continues

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

- I. **Drilling process optimization by using fuzzy-based multi-response surface methodology**  
BOYACI A. İ., HATİPOĞLU T., BALCI E.  
ADVANCES IN PRODUCTION ENGINEERING & MANAGEMENT, vol.12, no.2, pp.163-172, 2017 (SCI-Expanded)
- II. **Influence of Different Heat Treatments on the Solid Particle Erosion Behavior of Aluminum Alloy AA 7075 in Industrial Applications**  
KARABAY S., Bayraklılar M. S., BALCI E.  
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1052-1054, 2015 (SCI-Expanded)
- III. **The ballistic performance of SiC-AA7075 functionally graded composite produced by powder**

## **metallurgy**

ÜBEYLİ M., BALCI E., Sarikan B., Oztas M. K., CAMUŞCU N., YILDIRIM R. O., KELEŞ Ö.  
MATERIALS & DESIGN, vol.56, pp.31-36, 2014 (SCI-Expanded)

### **IV. On the ballistic performance of the AA7075 based functionally graded material with boron carbide reinforcement**

BALCI E., Sarikan B., Ubeyli M., Camuscu N., YILDIRIM R. O.  
KOVOVE MATERIALY-METALLIC MATERIALS, vol.51, no.4, pp.257-262, 2013 (SCI-Expanded)

### **V. INVESTIGATION ON THE AGING BEHAVIOUR OF THE FUNCTIONALLY GRADIENT MATERIAL CONSISTING OF BORON CARBIDE AND AN ALUMINUM ALLOY**

Sarikan B., BALCI E., Ubeyli M., Camuscu N.  
MATERIALI IN TEHNOLOGIJE, vol.46, no.4, pp.393-397, 2012 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

### **I. Drilling of AA6082-T6 Aluminum Alloy by Abrasive Waterjet**

BALCI E., ARICI A. A., BALTA B., SINMAZÇELİK T.  
II. INTERNATIONAL ACADEMICRESEARCH CONGRESS, 18 - 21 October 2017

### **II. Forgability of Aluminum 7075 Alloy in Closed Die**

YARAR E., GÜVEN E. A., BALCI E., KARABAY S., ELTUT S. B.  
II. INTERNATIONAL ACADEMICRESEARCH CONGRESS, 18 - 21 October 2017

### **III. EFFECTS OF CUTTING PARAMETERS ON SURFACE ROUGHNESS OF DIFFERENT POLYMERS**

BALCI E., BOYACI A. İ., ARICI A. A., BAYNAL K.  
International Conference on Engineering and NaturalSciences (ICENS) 2016, Saraybosna, Bosnia And Herzegovina,  
24 - 28 May 2016, pp.684

### **IV. A Fuzzy Logic Approach in Optimization of Multi Response Surface in Machining Process**

BOYACI A. İ., HATİPOĞLU T., BALCI E.  
The 4th International Fuzzy Systems Symposium, 5 - 06 November 2015, pp.332-339

## **Metrics**

Publication: 9

Citation (WoS): 113

Citation (Scopus): 131

H-Index (WoS): 5

H-Index (Scopus): 5

## **Non Academic Experience**

TOBB Ekonomi ve Teknoloji Üniversitesi