

## Lect. PhD MUSTAFA UĞURLU

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-1194-7772

Yoksis Researcher ID: 20705

### Education Information

Doctorate, Mersin University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2015 - 2022

Postgraduate, Mersin University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2012 - 2015

Undergraduate, Mersin University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2008 - 2012

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Mechanical Engineering, Construction and Manufacturing, Material science and engineering, Engineering and Technology

### Academic Titles / Tasks

Lecturer PhD, Cukurova University, Adana Organize Sanayi Bölgesi Teknik Bilimler Meslek Yüksekokulu, Makine ve Metal Teknolojileri, 2022 - Continues

Lecturer, Cukurova University, Adana Organize Sanayi Bölgesi Teknik Bilimler Meslek Yüksekokulu, Makine ve Metal Teknolojileri, 2021 - 2022

Research Assistant, Mersin University, Faculty Of Engineering, Department Of Mechanical Engineering, 2013 - 2021

### Courses

Business English, Associate Degree, 2021 - 2022

Computer Aided Drawing II, Associate Degree, 2021 - 2022

CNC Freze Teknolojisi, Associate Degree, 2021 - 2022

Ofis Yazılımları, Associate Degree, 2021 - 2022

Kaynak Teknolojisi, Associate Degree, 2021 - 2022

Makine Meslek Resmi, Associate Degree, 2021 - 2022

İşyeri Eğitimi, Associate Degree, 2021 - 2022

Makine Elemanları, Associate Degree, 2021 - 2022

Pompalar ve Kompresörler, Associate Degree, 2021 - 2022

Proje Geliştirme Teknikleri I, Associate Degree, 2021 - 2022  
Hydraulic and Pneumatic, Associate Degree, 2021 - 2022  
Computer Aided Drawing, Associate Degree, 2021 - 2022  
mathematics, Associate Degree, 2021 - 2022  
English I, Associate Degree, 2021 - 2022  
Proje Geliştirme Teknikleri II, Associate Degree, 2021 - 2022

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

- I. **Cutting performance of coated carbide inserts in hard turning of hardened AISI D2 cold work tool steels**  
Cakan A., Albayrak O., Gozmen Sanli B., Guven O., UĞURLU M., Atmaca H.  
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2024 (SCI-Expanded)
- II. **Effect of weld parameters on the microstructure and mechanical properties of dissimilar friction stir joints between pure copper and the aluminum alloy AA7075 T6**  
Cakan A., Ugurlu M., Kaygusuz E.  
MATERIALS TESTING, vol.61, no.2, pp.142-148, 2019 (SCI-Expanded)
- III. **Preparation and characterization of boron doped hydroxyapatite: Effects of boron content and sintering temperature on structure and mechanical properties**  
Albayrak O., Ugurlu M.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.3, pp.750-763, 2016 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Investigation of weld defects and mechanical properties of dissimilar friction stir spot welded dual phase (DP600) steel and aluminum alloy (AA 7075-T6) plates**  
Çakan A., Ugurlu M.  
European Mechanical Science, vol.6, no.4, pp.233-240, 2022 (Peer-Reviewed Journal)
- II. **The Effect of Tool Rotation Speed on Mechanical Properties of Friction Stir Spot Welded (FSSW) AA7075-T6 Aluminium Alloy Sheets**  
Uğurlu M., Çakan A.  
European Mechanical Science, vol.3, no.3, pp.97-101, 2019 (Peer-Reviewed Journal)
- III. **Analysis and Joining of Al-Cu Plates Using Friction-Stir Welding Technique**  
ÇAKAN A., ATMACA H. M., UĞURLU M.  
European Mechanical Science, vol.2, no.1, pp.1-8, 2018 (Peer-Reviewed Journal)
- IV. **Improvement of Surface Roughness using ANOVA for AZ31B Magnesium Alloy with Ball Burnishing Process**  
UĞURLU M., ÇAĞAN S. Ç., BULDUM B. B.  
International journal of Engineering Research and Technology, vol.6, no.9, pp.216-221, 2017 (Peer-Reviewed Journal)

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

- I. **Investigation of Welding Performance of Dissimilar AA7075-T6 Al and Ti6Al4V Ti Plates Joined by Friction Stir Welding Method**  
Çakan A., Uğurlu M.

6th International Mediterranean Science and Engineering Congress, Antalya, Turkey, 25 - 27 October 2021, pp.466-470

**II. DP600 ÇELİĞİ İLE AA 7075-T6 ALÜMİNYUM ALAŞIMI LEVHALARIN SÜRTÜNME KARIŞTIRMA NOKTA KAYNAĞI İLE BİRLEŞTİRİLMESİNE TAKIM DÖNME HIZININ ETKİSİ**

UĞURLU M., ÇAKAN A.

HEZARFEN Uluslararası Fen Matematik ve Mühendislik Bilimleri Kongresi, 8 - 10 November 2019

**III. AA7075-T6 Alüminyum Alaşımı Levhaların Sürtünme Karıştırma Nokta Kaynağı (SKNK) ile Birleştirilmesinde Takımın Dönme Hızının Mekanik Özellikler Üzerine Etkisinin İncelenmesi**

UĞURLU M., ÇAKAN A.

3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), 24 - 26 October 2018

**IV. AA7075-T6 ve Cu ETP R240 Levhaların Sürtünme Karıştırma Kaynak Yöntemi (SKK) ile Birleştirilmesinde Takım Dönme ve İlerleme Hızının Mekanik Özelliklere Etkisi**

ÇAKAN A., UĞURLU M., KAYGUSUZ E.

IATS'xx17 8th International Advanced Technologies Symposium, 19 - 22 October 2017

**V. Analysis and Joining of Al-Cu Plates Using Friction-Stir Welding Technique**

ÇAKAN A., ATMACA H. M., UĞURLU M.

2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017

## Supported Projects

Uğurlu M., Project Supported by Higher Education Institutions, 2019 - 2022

Uğurlu M., Project Supported by Higher Education Institutions, 2017 - 2019

TUBITAK Project, Bor Katkılı Hidroksiapatit Üretimi Ve Karakterizasyonu, 2014 - 2015

## Metrics

Publication: 13

Citation (WoS): 2

Citation (Scopus): 4

H-Index (WoS): 2

H-Index (Scopus): 1