



# KEREM AYBAR

## RES. ASST. PHD

Email : kaybar@ogu.edu.tr

International Researcher IDs

ORCID: 0000-0001-6347-843X

ScopusID: 15062323800

Yoksis Researcher ID: 171431



### Learning Knowledge

Doctorate 2013 - 2021	Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Metalurji ve Malzeme Mühendisliği, Turkey
Postgraduate 2000 - 2004	Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Metalurji Mühendisliği (YI) (Tezli), Turkey
Undergraduate 1996 - 2000	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey

### Academic Titles / Tasks

Research Assistant PhD 2021 - Continues	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Metalurji ve Malzeme Müh.Böl.
Research Assistant 2001 - 2021	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Metalurji ve Malzeme Müh.Böl.

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

- An experimental study of the friction stir welding of Al 5083 H321 plates by using different process parameters**  
Aybar K., Çakir F. H.  
Canadian Metallurgical Quarterly, 2023 (SCI-Expanded)
- An Investigation of the Properties of 3D Textile-Reinforced Cementitious Composite Exposed to High Temperature**  
CANBAZ M., AYBAR K., Çelikten S.  
Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.46, no.6, pp.4371-4382, 2022 (SCI-Expanded)

3. **Effect of Infill Ratio on the Tensile and Flexural Properties of Unreinforced and Carbon Fiber-Reinforced Polylactic Acid Manufactured by Fused Deposition Modeling**  
ÖTEYAKA M. Ö., AYBAR K., Öteyaka H. C.  
Journal of Materials Engineering and Performance, vol.30, pp.5203-5215, 2021 (SCI-Expanded)
4. **Effect of the heating rate on crystallization behavior of mechanically alloyed Mg50Ni50 amorphous alloy**  
Aydinbeyli N., ÇELİK O. N., Gasan H., Aybar K.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.31, no.15, pp.2266-2273, 2006 (SCI-Expanded)

### Articles Published in Other Journals

1. **A comparative study of the effect of polyurethane nanofiber and powders filler on the mechanical properties of carbon fiber and glass fiber composites**  
ÖTEYAKA M. Ö., AYBAR K., ÖTEYAKA H. C.  
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.28, no.1, pp.51-57, 2022 (ESCI)

### Refereed Congress / Symposium Publications in Proceedings

1. **The mechanical properties of Fe50Al35Ti15 alloys produced by casting and spark plasma sintering method**  
AYBAR K., TORUN O., ÇELİK YÜREK İ.  
International Conference on Technology, Engineering and Science, 26 - 29 October 2017
2. **Effect of weld tool rotational speed and travel speed on the mechanical properties of friction stir welded AA5083-H321 alloy**  
AYBAR K., AYDINBEYLİ N.  
International Conference on Technology, Engineering and Science, 26 - 29 October 2017
3. **Mekanik alaşımlama yöntemi ile üretilen amorf Mg50Ni50 alaşımının ısıl kararlılığı**  
AYBAR K., AYDINBEYLİ N., GAŞAN H., ÇELİK O. N.  
11. Uluslararası Denizli Malzeme Sempozyumu, 19 - 21 April 2006, pp.755-759

### Courses

Metallerin Isıl İşlemi, Undergraduate, 2022 - 2023, 2021 - 2022  
Makine Laboratuvarı - 2, Undergraduate, 2022 - 2023, 2021 - 2022  
Makine Laboratuvarı - 2 , Undergraduate, 2022 - 2023, 2021 - 2022  
Machine Laboratory - 1, Undergraduate, 2022 - 2023, 2021 - 2022  
Technical Drawing, Undergraduate, 2022 - 2023, 2021 - 2022  
Undergraduate, 2022 - 2023, 2021 - 2022  
Mechanical Properties of Materials, Undergraduate, 2022 - 2023, 2021 - 2022  
Undergraduate, 2022 - 2023

### Metrics

Publication: 8  
Citation (WoS): 16  
Citation (Scopus): 16  
H-Index (WoS): 1  
H-Index (Scopus): 1

## Research Areas

Metallurgical and Materials Engineering, Engineering and Technology