

## Res. Asst. FURKAN ÖZDEMİR

### Personal Information

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### Education Information

Doctorate, Ankara Yildirim Beyazit University, Mühendislik Ve Doğa Bilimleri Fakültesi, Metalurji Ve Malzeme Mühendisliği, Turkey 2017 - 2021

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2014 - 2017

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2008 - 2014

### Dissertations

Postgraduate, Electrochemical production of tungsten refractory metal powders, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), 2017

### Research Areas

Metallurgical and Materials Engineering, Testing and Control of Materials, Corrosion and Corrosion Protection, Material Characterization, Metallic Materials, Nanomaterials, Electrometallurgy

### Academic Titles / Tasks

Research Assistant, Ankara Yildirim Beyazit University, Mühendislik Ve Doğa Bilimleri Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2016 - Continues

Researcher, North Carolina State University, Faculty of Engineering, Material Science and Engineering, 2020 - 2021

Research Assistant, University of Akron, College of Engineering, Corrosion Engineering, 2019 - 2020

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, 2014 - 2016

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Strengthening effects of multi-walled carbon nanotubes reinforced nickel matrix nanocomposites**  
Patil A., Nartu M. S. K. K. Y., Ozdemir F., Banerjee R., Gupta R. K., Borkar T.  
Journal of Alloys and Compounds, vol.876, 2021 (Journal Indexed in SCI Expanded)
- II. **Tribological behavior of carbon-based nanomaterial-reinforced nickel metal matrix composites**  
Patil A., Walunj G., Ozdemir F., Gupta R. K., Borkar T.  
Materials, vol.14, no.13, 2021 (Journal Indexed in SCI Expanded)
- III. **Enhancement of the mechanical properties of graphene nanoplatelet (GNP) reinforced nickel matrix nanocomposites**

Patil A., Kiran Kumar Yadav Nartu M. S. , Ozdemir F., Banerjee R., Gupta R. K. , Borkar T.  
Materials Science and Engineering A, vol.817, 2021 (Journal Indexed in SCI Expanded)

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

- I. **Investigation of the Larger Scale Tungsten Production by the Electrochemical Reduction Technique**  
ÖZDEMİR F., ERDOĞAN M., KARAKAYA İ.  
IMMC2016, 29 September - 01 October 2016
- II. **Production of Tungsten by Pulse Current Reduction of CaWO<sub>4</sub>**  
ÖZDEMİR F., ERDOĞAN M., KARAKAYA İ.  
The Minerals Metals and Materials Society Annual Meeting 2016, NASHVILLE, United States Of America, 21 - 26  
February 2016, pp.151-158