

## Res. Asst. MUHAMMET UZUN

### Personal Information

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### Research Areas

Mechanical Engineering, Tribology, Material, Plastic Forming Methods

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

- I. **Effect of aging temperature on the lubricated wear resistance of multi-directionally forged Al-40Zn-3Cu alloy**  
UZUN M., KARABIYIK S., ALEMDAĞ Y., Savaşkan T.  
Materials Today Communications, vol.40, 2024 (SCI-Expanded)
- II. **Influence of Homogenization and Quench-Aging Heat Treatments on Dry Wear Behavior of Al-40Zn-3Cu Alloy**  
Karabiyik S., Uzun M., Alemdağ Y., Savaşkan T.  
TRIBOLOGY TRANSACTIONS, vol.67, no.3, pp.452-463, 2024 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **ÇOK YÖNLÜ DÖVÜLMÜŞ Al-40Zn-3Cu ALAŞIMININ YAĞLI KOŞULLARDAKİ AŞINMA PERFORMANSININ İNCELENMESİ**  
Karabiyik S., Uzun M., Alemdağ Y., Pürçek G.  
4th International Turkish World Engineering and Science Congress, Antalya, Turkey, 30 November - 03 December 2023, vol.1, pp.533-541
- II. **Strengthening Al 2024 Alloy via Equal Channel Angular Pressing and Subsequent Aging**  
Demirtaş M., Yanar H., Uzun M., Ustalar M., Pürçek G.  
The 5th International Conference of Materials and Engineering Technology (TICMET'23), Trabzon, Turkey, 13 - 16 November 2023, pp.419
- III. **Homojenizasyon ve Yaşlandırma Isıl İşlemlerinin Al-40Zn-3Cu Alaşımının Mekanik Özelliklerine Etkisi**  
Uzun M., Karabiyik S., Alemdağ Y.  
The 5th International Conference of Materials and Engineering Technology (TICMET'23), Trabzon, Turkey, 13 - 16 November 2023, pp.147-155

### Supported Projects

Pürçek G., Demirtaş M., Yanar H., TÜBİTAK International Bilateral Joint Cooperation Program Project, Optimizing the service behaviors of typical high-strength wrought Al alloys by adjusting the grain size and nano precipitates, 2022 -

2025

## **Metrics**

Publication: 5

Citation (Scopus): 1

H-Index (Scopus): 1