

## Res. Asst. TOLGA YILMAZ

### Personal Information

Office Phone: [+90 312 202 8795](tel:+903122028795)

Email: [tolgayilmaz@gazi.edu.tr](mailto:tolgayilmaz@gazi.edu.tr)

Web: <https://avesis.gazi.edu.tr/tolgayilmaz>

### International Researcher IDs

ORCID: 0000-0001-9351-5887

Publons / Web Of Science ResearcherID: CAA-1608-2022

Yoksis Researcher ID: 282184

### Research Areas

Testing and Control of Materials, Mechanical Properties, Thermal Treatment, Material Characterization, Powder Metallurgy

### Academic Titles / Tasks

Research Assistant, Gazi University, Teknoloji Fakültesi, Metalurji ve Malzeme Mühendisliği, 2018 - Continues

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

- I. **The relationships among microstructure, impact toughness and wear resistance in newly developed austempered low alloy white cast iron**  
Camkerten R., ŞAHİN Ö., YILMAZ T., ÇAKIL D. D., NALÇACI B., ERDOĞAN M.  
Journal of Alloys and Compounds, vol.1010, 2025 (SCI-Expanded)
- II. **The improvement of dry sliding tribological properties by designing nano-primary cementite in bainitic/martensitic matrix microstructure in hypereutectoid PM components**  
GÜRAL A., YILMAZ T., Kafaoglu M., Erdogan B.  
MATERIALS LETTERS, vol.377, 2024 (SCI-Expanded)
- III. **Influence of gradation in the reinforcement particles on the interfacial microstructure and mechanical properties of functionally graded composites**  
KARAKOÇ H., ÇİNİCİ H., Kumar M. S., YILMAZ T., Ovali I., Yang C., Arjunan A.  
MATERIALS TODAY COMMUNICATIONS, vol.38, 2024 (SCI-Expanded)
- IV. **Influence of Annealing Heat Treatment on the Microstructure and Mechanical Properties of Multilayer 316L-TiC Composite Fabricated by Selective Laser Melting**  
Yazdani S., TEKELİ S., YILMAZ T., ADANIR M. N.  
Journal of Materials Engineering and Performance, 2024 (SCI-Expanded)
- V. **Wear Performances of Hypereutectoid P/M Steels Subjected to Different Heat Treatments**  
Güral A., Taşkıran K. C., Altuntaş O., Yılmaz T.  
PHYSICS OF METALS AND METALLOGRAPHY, vol.124, no.12, pp.1-9, 2023 (SCI-Expanded)
- VI. **Long-time strain aging responses of commercial dual-phase steels at room temperature**  
Güral A., Çavuşoğlu O., Şahin B., Altuntaş O., Yılmaz T.  
Ironmaking and Steelmaking, vol.50, no.7, pp.705-709, 2023 (SCI-Expanded)

## Articles Published in Other Journals

I. **Investigation of Effect of Green Density on Quenching and Tempering Behaviors of High Carbon Powder Metallurgy Steels**

Yılmaz T., Sevindirođlu D. Z., Suvay A.

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.10, no.4, pp.978-986, 2022 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

I. **THE EFFECT OF FEED SPEED ON SURFACE ROUGHNESS AND FATIGUE STRENGTH IN BURNISHING PROCESS APPLIED TO AL 7175-T6 ALLOY**

Dalli K., Özer M., Yılmaz T., Özer A.

3. Uluslararası Bakü Bilimsel Araştırmalar Kongresi, Baku, Azerbaijan, 15 - 16 October 2021, pp.1043-1050

II. **Farklı İlave Metaller Kullanılarak TIG Kaynak Yöntemi İle Birleştirilen 316L Paslanmaz Çelik ve L-605 Kobalt Esaslı Süperalaşım Levhaların Metalurjik Özelliklerinin Deđerlendirilmesi**

YILMAZ T., DURGUTLU A.

5. International Conference on Welding Technologies and Exhibition (ICWET'18), Bosnia And Herzegovina, 26 - 28 September 2018, pp.255-262

## Supported Projects

ÖZER M., ALTUNTAŞ G., YILMAZ T., Project Supported by Higher Education Institutions, Alüminyum Alaşımının Döküm Yöntemi ile Üretimi, 2022 - 2023

## Metrics

Publication: 9

Citation (WoS): 2

Citation (Scopus): 2

H-Index (WoS): 1

H-Index (Scopus): 1