

## Res. Asst. MUSTAFA KAŞ

### Personal Information

**Email:** mustafakas@gazi.edu.tr

**Web:** <https://avesis.gazi.edu.tr/mustafakas>

### International Researcher IDs

ScholarID: 7Bnc5CoAAAAJ

ORCID: 0000-0003-4437-5130

Publons / Web Of Science ResearcherID: AIF-3917-2022

ScopusID: 57223331064

Yoksis Researcher ID: 285759



### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2019 - Continues

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 2016 - 2019

Undergraduate, Gaziantep University, Faculty Of Engineering, Department Of Mechanical Engineering (English), Turkey 2011 - 2016

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Production and characterization of geometry design for selective laser melting method graded porous structures, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 2019

### Research Areas

Machine Elements, Non-traditional manufacturing methods, Welding Methods

### Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2018 - Continues

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

1. Directed energy deposition of PH 13–8 Mo stainless steel: microstructure and mechanical property analysis

KAŞ M., Muslim T., YILMAZ O., Karagoz T., TÜREDİ E., GÜMÜŞ S., Bayram A.

International Journal of Advanced Manufacturing Technology, vol.132, no.1-2, pp.701-715, 2024 (SCI-Expanded)

II. **Radially graded porous structure design for laser powder bed fusion additive manufacturing of Ti-6Al-4V alloy**

Kaş M., Yılmaz O.

Journal of Materials Processing Technology, vol.296, 2021 (SCI-Expanded)

III. **Micromechanical Characterization of Additively Manufactured Ti-6Al-4V Parts Produced by Electron Beam Melting**

ÖZERİNÇ S., Kaygusuz B., KAŞ M., Motallebzadeh A., Nesli S., Duygulu O., YILMAZ O.

JOM, vol.73, no.10, pp.3021-3033, 2021 (SCI-Expanded)

## Articles Published in Other Journals

I. **Influence of laser energy density on geometrical forms produced by laser metal deposition of PH 13-8 Mo stainless steel**

Muslim T., Karagöz T., Yılmaz O., Kaş M., Özkök R.

Journal of Additive Manufacturing Technologies, vol.1, no.3, pp.1-5, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

I. **MICROSTRUCTURE AND BONDING MECHANISM EVALUATION FOR BI-METALLIC SS 316-INCONEL718 PRODUCED BY DIRECTED ENERGY DEPOSITION PROCESS**

Kaş M., Yılmaz O., Aslan Çığır B., Kırılı O., Yücel B., Dak M.

AMCTURKEY 2022, Aydın, Turkey, 6 - 08 October 2022, pp.110-111

II. **Influence of laser energy density on geometrical forms produced by laser metal deposition of PH 13-8 Mo stainless steel**

Muslim T., Karagöz T., Yılmaz O., Kaş M., Özkök R.

Additive Manufacturing Conference , İstanbul, Turkey, 9 - 10 September 2021, pp.6

III. **Small-Scale Mechanical Behavior of Ti-6Al-4V Parts Produced by Electron Beam Melting**

Özerinç S., Kaygusuz B., Kaş M., Motallebzadeh A., Nesli Ş., Duygulu Ö., Yılmaz O.

Additive Manufacturing Conference , İstanbul, Turkey, 9 - 10 September 2021, pp.46

IV. **DEPOSITION TOOL PATH STRATEGIES FOR TOPOLOGICALLY OPTIMISED AIRCRAFT PART FOR DED**

Yazıcı Ö. F., Kaş M., Atalay İ., Özkök R., Yılmaz O.

Additive Manufacturing Conference , İstanbul, Turkey, 9 - 10 September 2021, pp.41

V. **THERMOMECHANICAL SIMULATION ANALYSIS OF INCONEL 718 ALLOY PARTS PRODUCED BY ADDITIVE MANUFACTURING**

Kaş M., Yılmaz O., Güler C., Karagöz T., Metin Ç.

The International Conference of Materials and Engineering Technology (TICMET'xx20), Gaziantep, Turkey, 5 - 07 November 2020

VI. **DESIGN AND VALIDATION OF GRADED POROUS STRUCTURES PRODUCED BY POWDER BED FUSION PROCESS**

YILMAZ O., KAŞ M.

AMCTURKEY Additive Manufacturing Conference, İstanbul, Turkey, 17 - 18 October 2019

VII. **Seçici Lazerle Ergitme Yöntemi İle Üretilen Inconel 625 Alaşımli Parçada Yüzey Bütünlüğünün İncelenmesi**

KITAY Ö., TAŞCIOĞLU E., KAŞ M., NESLİ Ş., KAYNAK Y., YILMAZ O.

18th International Conference on Machine Design and Production (UMTIK 2018), 3 - 06 July 2018

## **Memberships / Tasks in Scientific Organizations**

Turkish Additive Manufacturing Association (TAMA), Member, 2021 - Continues, Turkey

## **Metrics**

Publication: 11

Citation (WoS): 14

Citation (Scopus): 17

H-Index (WoS): 1

H-Index (Scopus): 2

## **Scholarships**

2214/A Overseas Doctorate Research Scholarship Program, TUBITAK, 2023 - Continues

Performance-Based Scholarships Programme for PhD and Post-Doc Scholars, TUBITAK, 2023 - Continues

2211/C - Domestic Priority Fields Doctoral Scholarship Program, TUBITAK, 2022 - Continues