

## Res. Asst. PhD İSMAİL BAYAR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: Y-7380-2019

Yoksis Researcher ID: 24287

### Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (Dr), Turkey 2016 - 2021

Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (YI) (Tezli), Turkey 2014 - 2016

Associate Degree, Anadolu University, Open Education Faculty, Department Of Audio-Visual Techniques And Media Productions, Turkey 2012 - 2014

Undergraduate, Nigde Omer Halisdemir University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2005 - 2010

### Dissertations

Postgraduate, Plazma kaynak metodu ile özellikleri geliştirilmiş plazma püskürtme kaplamaların tribolojik davranışlarının incelenmesi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (YI) (Tezli), 2016

### Research Areas

Mechanical Engineering, Construction and Manufacturing, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Makine Mühendisliği Bölümü, 2014 - Continues

Research Assistant, Batman University, Faculty Of Technology, Department Of Mechanical And Manufacturing Engineering, 2013 - 2014

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

- Corrosion behavior of SiC and FeCrC reinforced AISI 304 components fabricated by plasma wire arc additive manufacturing (P-WAAM)**  
Bayar İ., ÖTEYAKA M. Ö., Çakir E., ULUTAN M.

Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2023 (SCI-Expanded)

**II. Surface modification of atmospheric plasma sprayed cermet coatings by plasma transferred arc method**

BAYAR İ., ULUTAN M.

TRANSACTIONS OF THE INSTITUTE OF METAL FINISHING, vol.97, no.6, pp.298-304, 2019 (SCI-Expanded)

**III. Plasma transferred arc surface modification of atmospheric plasma sprayed ceramic coatings**

ULUTAN M., KILIÇAY K., KAYA E., BAYAR İ.

JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.30, no.8, pp.3813-3818, 2016 (SCI-Expanded)

## Articles Published in Other Journals

**I. Investigation Of Tribological And Mechanical Performance Of Cryogenic Treated Medium Carbon Steel, 38mnvs6**

KAYA E., ULUTAN M., KILIÇAY K., BAYAR İ.

Journal Of The Balkan Tribological Association, vol.617, no.627, pp.26-4, 2020 (Scopus)

**II. Experimental study on Tribological Performance of SIC Composite Coating Layers**

KILIÇAY K., ULUTAN M., KAYA E., BAYAR İ.

Journal Of The Balkan Tribological Association, vol.26, no.2, pp.390-400, 2020 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

**I. Selection of Process Parameters on Wire Arc Additive Manufacturing Waam of Ti6Al4V**

ÇAKIR E., BAYAR İ., ULUTAN M.

4th International Conference on Engineering Technologies, ICENTE, Konya, Turkey, 19 - 21 November 2020, pp.350-354

**II. Tel Ark Katmanlı İmalat (TAKİ) Yöntemi, Türkçe İsimlendirmeleri ve Farklı Malzemelerde Uygulamaları**

ÇAKIR E., BAYAR İ., ULUTAN M.

5. International Conference on Material Science and Technology in Cappadocia/TURKEY (IMSTEC 2020), Nevşehir, Turkey, 16 - 18 October 2020, pp.160-165

**III. Determination of Wire Arc Additive Manufacturing Parameters with Plasma Arc Welding**

BAYAR İ., ÇAKIR E., ULUTAN M.

5. International Conference on Material Science and Technology in Cappadocia/TURKEY (IMSTEC 2020), Nevşehir, Turkey, 16 - 18 October 2020, pp.105-107

**IV. Effect of Different Heat Inputs on Microstructure and Hardness in PTA Layers**

KILIÇAY K., BAYAR İ., KAYA E., ULUTAN M.

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, İzmir, Turkey, İzmir, Turkey, 10 - 12 April 2018

**V. Experimental Investigation of Different Hard Carbide Layers Coated by Flame Spray Technic on 90MnCrV8**

KILIÇAY K., BAYAR İ., KAYA E., ULUTAN M.

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, İzmir, Turkey, İzmir, Turkey, 10 - 12 April 2018

**VI. Precise Measurement of Wear Rate Method for ASTM G-99 Wear Test**

KAYA E., KILIÇAY K., BAYAR İ., ULUTAN M.

1st International Symposium On Innovative Approches In Scientific Studies, Antalya, Turkey, Antalya, Turkey, 11 - 13 April 2018

**VII. A Comparative Study of Quantitative Image Analyze and X-Ray Diffraction Methods for Carbide**

### **Amount in composite coatings on steel**

KILIÇAY K., KAYA E., BAYAR İ., ULUTAN M.

1st International Symposium On Innovative Approches In Scientific Studies, Antalya, Turkey, Antalya, Turkey, 11 - 13 April 2018

### **VIII. Investigation of Process Parameters of AISI 304 Fiber Cut with Fiber Laser**

BAYAR İ., KILIÇAY K., KAYA E., ULUTAN M., AKMAN D.

International Congress On Applied Science And technology, Astech'2017, Malaga, Spain, Malaga, Spain, 17 - 20 April 2017

### **IX. Investigation of Microstructure and Tribological Properties of Molybdenum Coatings**

BAYAR İ., ULUTAN M., KILIÇAY K., KAYA E.

International Congress On Applied Science And technology, Astech'2017, Malaga, Spain, Malaga, Spain, 17 - 20 April 2017

### **X. Experimental Study on Tribological Performance of SiC Composite Coating Layers**

KILIÇAY K., ULUTAN M., KAYA E., BAYAR İ.

3rd International Iron Steel Symposium (UDCS'17), Karabük, Turkey, Karabük, Turkey, 3 - 05 April 2017

### **XI. Investigation of Tribological and Mechanical Performance of Cryogenic Treated Medium Carbon Steel, 38MnVS6**

KAYA E., ULUTAN M., KILIÇAY K., BAYAR İ.

3rd International Iron and Steel Symposium (UDCS'17), Karabük, Turkey, Karabük, Turkey, 3 - 05 April 2017, pp.460-464

## **Metrics**

Publication: 17

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H-Index (Scopus): 2