

## Asst. Prof. ERMAN FERİK

### Personal Information

**Email:** erman.ferik@marmara.edu.tr

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### International Researcher IDs

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### Biography

RESUME Name-Surname: Erman FERİK Date and Place of Birth: 27.04.1987 Bursa E-mail: erman.ferik@marmara.edu.tr  
EDUCATION STATUS: Undergraduate: 2011, Sakarya University, Technical Education Faculty, Metal Teaching Department  
Undergraduate: 2016, Sakarya University, Faculty of Technology, Metallurgy and Materials Engineering Department  
Master's Degree: 2014, Sakarya University, Metallurgical and Materials Engineering Department, Metallurgical and  
Materials Engineering Department Master's Degree: 2017, Sakarya University, Manufacturing Engineering Department,  
Manufacturing Engineering Department PhD: 2019, Sakarya University, Metallurgical and Materials Engineering  
Department, Metallurgical and Materials Engineering Department PROFESSIONAL EXPERIENCE AND AWARDS: Between  
2013-2014, he worked as a research assistant at Kütahya Dumlupınar University. He completed his doctorate at Sakarya  
University of Applied Sciences in 2019.

### Education Information

Doctorate, Sakarya University, Institute Of Science, Metalurji ve Malzeme Mühendisliği, Turkey 2014 - 2019

Postgraduate, Sakarya University, Institute Of Science, Turkey 2013 - 2017

Undergraduate, Sakarya University, Faculty Of Technology, Department Of Metallurgical And Materials Engineering,  
Turkey 2015 - 2016

Postgraduate, Sakarya University, Institute Of Science, Metalurji ve Malzeme Mühendisliği, Turkey 2011 - 2014

Undergraduate, Sakarya University, Faculty Of Technical Education, Department Of Metal Education, Turkey 2007 - 2011

### Foreign Languages

English, C2 Mastery

### Research Areas

Metallurgical and Materials Engineering

### Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Technology, Metallurgical and Materials Engineering, 2021 -  
Continues

Research Assistant, Kütahya Dumlupınar University, Teknoloji Fakültesi, İmalat Mühendisliği, 2013 - 2014

## Academic and Administrative Experience

Member of Department Quality Commission, Marmara University, Faculty of Technology, Metallurgical and Materials Engineering, 2023 - Continues

Internship Committee Member, Marmara University, Faculty of Technology, Metallurgical and Materials Engineering, 2022 - Continues

## Courses

### Postgraduate

İleri İmalat Yöntemleri, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

### Undergraduate

Teknik Resim, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Temel İşlem Teknolojileri ve Uygulamaları, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Plastik Şekil Verme Teknolojileri ve Uygulamaları, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Bilgisayar Destekli Teknik Resim, Undergraduate, 2023 - 2024, 2022 - 2023

Malzemelerin Tahribatsız Muayenesi, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Kaynak Teknolojileri ve Uygulamaları, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

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

- I. **The Effect of Nugget Sizes on Tensile Peel Loading in Resistance Spot Welding of DP800 and TWIP950 Steel Sheets used in Automotive Industry**  
Onar V., Ferik E., Acar I., Siksik V., Varol F., Ozsarac U., Aslanlar S.  
ACTA PHYSICA POLONICA A, vol.135, no.5, pp.1097-1099, 2019 (SCI-Expanded)
- II. **Microstructural investigation of SPA-C steel sheets used in railway vehicles in resistance spot welding**  
Ferik E., Akkaş N., Kılıç R., İlhan E., Aslanlar S.  
Springer Tracts In Modern Physics, no.186, pp.77-82, 2017 (SCI-Expanded)
- III. **The Effect of Welding Current on Nugget Sizes in Resistance Spot Welding of SPA-C Steel Sheets Used in Railway Vehicles**  
Akkas N., Ferik E., İlhan E., Aslanlar S.  
ACTA PHYSICA POLONICA A, vol.130, no.1, pp.142-144, 2016 (SCI-Expanded)
- IV. **The Effect of Nugget Sizes on Mechanical Properties in Resistance Spot Welding of S235JR(Cu) Steel Sheets Used in Railway Vehicles**  
Akkas N., Ferik E., İlhan E., Aslanlar S.  
ACTA PHYSICA POLONICA A, vol.130, no.1, pp.60-63, 2016 (SCI-Expanded)
- V. **Investigation of Mechanical Properties of MIG-Brazed TRIP 800 Steel Joints Using Different Working Angles**  
Varol F., Ekici M., Ferik E., Ozsarac U., Aslanlar S.  
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.965-967, 2015 (SCI-Expanded)
- VI. **Influence of Current Intensity and Heat Input in MIG-Brazed Joints of DP 600 Thin Zinc Coated Steel Plates**  
Varol F., Ozsarac U., Aslanlar S., Onat A., Ekici M., Ferik E.  
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.968-971, 2015 (SCI-Expanded)
- VII. **Investigation of Mechanical Properties of Metal Inert Gas-Brazed TRIP800 Steel Joints Using Different Shielding Gas Flow Rate**  
Akkas N., Varol F., Ferik E., İlhan E., Ozsarac U., Aslanlar S.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.473-474, 2014 (SCI-Expanded)

- VIII. **Effect of Welding Current on Mechanical Properties of Welding Joints in S235JR(Cu) Steel Sheets in Resistance Spot Welding**  
Akkas N., Varol F., Ferik E., Ilhan E., Ozsarac U., Aslanlar S.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.500-502, 2014 (SCI-Expanded)
- IX. **Influence of current intensity and heat input in Metal Inert Gas-brazed joints of TRIP 800 thin zinc coated steel plates**  
Varol F., Ferik E., Ozsarac U., Aslanlar S.  
MATERIALS & DESIGN, vol.52, pp.1099-1105, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of Mechanical Properties of 5754 Aluminum Alloy Sheets Joined by Cold Metal Transfer (CMT) Using Different Current Intensity**  
Ferik E., Yilmaz Ö., Varol F., Aslanlar S.  
Academic Perspective Procedia, vol.5, no.3, pp.397-405, 2022 (Peer-Reviewed Journal)
- II. **Investigation of Mechanical Properties of 6061-T6 Aluminum Alloy Sheets Joined by Cold Metal Transfer (CMT) Using Different Current Intensity**  
Varol F., Yilmaz Ö., Ferik E., Aslanlar S.  
Academic Perspective Procedia, vol.5, no.3, pp.462-470, 2022 (Peer-Reviewed Journal)
- III. **Influence of Different Shielding Gas Flow Rate in MIG-Brazed Joints of TRIP 800 Steel Plates**  
Ferik E., Varol F., Aslanlar S.  
The Academic Perspective Procedia, vol.5, no.3, pp.161-170, 2022 (Peer-Reviewed Journal)
- IV. **Investigation of Mechanical Properties of 6061-T6 and 5754 Aluminum Sheets Joined by Cold Metal Transfer (CMT) Using Different Current Intensity**  
Ferik E., Yilmaz Ö., Yakupoğlu C., Varol F., Aslanlar S.  
Academic Perspective Procedia, vol.5, no.3, pp.281-291, 2022 (Peer-Reviewed Journal)
- V. **Investigation of Mechanical Properties of Overlap Joint Form in CMT-Brazed Joints of DP800 Thin Zinc Coated Steel Plates Using Different Torch Feed Rates**  
Acar İ., Ferik E., Varol F., Aslanlar S., Yakupoğlu C.  
Academic Perspective Procedia, vol.3, no.1, pp.209-214, 2020 (Peer-Reviewed Journal)
- VI. **Farklı Gaz Basınçları Kullanılarak Soğuk Metal Transferi (CMT) ile Birleştirilmiş Alüminyum 6082-T6 Bağlantıların Mekanik Özelliklerinin İncelenmesi**  
Ferik E., Özsarac U., Aslanlar S., Varol F., Işık Ş.  
El-Cezeri Fen ve Mühendislik Dergisi (ECJSE) , vol.4, no.3, pp.606-611, 2017 (Peer-Reviewed Journal)

## Books

- I. **Metal-Matrix Composite Materials: Manufacturing and Joining Methods**  
Bozkurt Y., Ferik E., Kalender M.  
in: The Fundamentals of Metal-Matrix Composites, Sezgin Ersoy, Editor, NOVA Science Publishers Inc. , New York, pp.27-41, 2022
- II. **KAYNAK VE KESME İŞLEMLERİNDE İŞ SAĞLIĞI VE GÜVENLİĞİ RİSK DEĞERLENDİRMESİ**  
FERİK E., BOZKURT Y.  
in: İş Güvenliği ve Çalışan Sağlığı, Prof. Dr. Mohammad ISRAR, Doç. Dr. Ayhan ONAT, Dr. Öğr. Üye. Senai YALÇINKAYA, Editor, GÜVEN PLUS GRUP DANIŞMANLIK A.Ş. YAYINLARI, İstanbul, pp.86-125, 2022
- III. **METALURJİ VE MALZEME BİLİMİNE ÜRETİM TEKNOLOJİSİ AÇISINDAN YAKLAŞIMLAR**  
FERİK E.  
in: METALÜRJİ VE MALZEME BİLİMİ - Yeni Nesil Yaklaşımlar, Uzun Kart, Elif, Editor, Nobel Yayınevi, İstanbul, pp.217-269, 2022

## Papers Published in Refereed Scientific Meetings

### I. THE MATERIALS USED IN WIRE ARC ADDITIVE MANUFACTURING

FERİK E., BOZKURT Y.

2. Uluslararası Malzeme Mühendisliği ve İleri İmalat Teknolojileri Kongresi, Turkey, 12 January 2023, vol.1, pp.2-9

### II. Microstructural Investigation of SPA-C Steel Sheets Used in Railway Vehicles in Resistance Spot Welding

Akkas N., Ferik E., Kilic R., Ilhan E., Aslanlar S.

3rd International Multidisciplinary Microscopy and Microanalysis Congress (InterM), Oludeniz, Turkey, 19 - 23 October 2015, vol.186, pp.77-82

## Peer Reviews in Scientific Publications

Journal of Materials and Mechatronics: A, National Scientific Refreed Journal, November 2024

Journal of innovative engineering and natural science (Online), National Scientific Refreed Journal, August 2024

Fırat Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, December 2023

Journal of Marine and Engineering Technology, National Scientific Refreed Journal, December 2023

The International Journal of Materials and Engineering Technology, National Scientific Refreed Journal, December 2023

Mersin University Journal of Maritime Faculty, National Scientific Refreed Journal, December 2023

## Metrics

Publication: 20

Citation (WoS): 71

Citation (Scopus): 55

H-Index (WoS): 5

H-Index (Scopus): 5

## Non Academic Experience

Company, TLY Enerji ve Savunma Sanayi A.Ş., Kalite Birimi, Kalite Sorumlusu

Company, Setasis A.Ş., Kalite Birimi, Kalite Sorumlusu