



Res. Asst. UĞUR ÖZDEMİR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: CAA-1273-2022

ScopusID: 58077869400

Yoksis Researcher ID: ugurozdemir



Education Information

2020 - 2023	Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Y) (Tezli), Turkey
2011 - 2016	Undergraduate, Gazi University, Teknoloji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey

Foreign Languages

Italian, B1 Intermediate Spanish, B1 Intermediate English, C2 Mastery

Dissertations

2023	Investigation of the Effect of Hardfacing Coatings with Various Chemical Compositions Applied by Arc Welding on the Wear Behavior of S355JR Structural Steel, Gazi University, Teknoloji Fakültesi, Metalurji Ve Malzeme Mühendisliği, Postgraduate
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Research Areas

Welding Methods, Testing and Control of Materials, Thermal Treatment, Metallic Materials

Academic Titles / Tasks

2020 - Continues	Research Assistant, Gazi University, Teknoloji Fakültesi, Metalurji ve Malzeme Mühendisliği
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Jury Memberships

June 2021	Post Graduate, Post Graduate, St. Petersburg State Polytechnical University
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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparative study of hardfacing applications on structural steel surfaces to improve ballistic properties**
Sözeri M., Özdemir U., Fındık T., Karakoç H.
Materials Today Communications, vol.38, 2024 (SCI-Expanded)
- II. **Effect of Filler Wire Composition on Hot-Dip Galvanizing Performance of S355JR Structural Steel Joints**
ARABACI U., ÖZDEMİR U.
Transactions of the Indian Institute of Metals, vol.76, no.6, pp.1583-1591, 2023 (SCI-Expanded)
- III. **Effect of buttering on the wear behavior of the SMA welded hardfacing layer in a low-carbon steel**
Ozdemir U., Sözeri M., Fındık T., Kılıçlı V.
MATERIALPRUEFUNG/MATERIALS TESTING, vol.65, no.4, pp.494-504, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Comparative Investigation into the Impact of Shop-Primer Coating on Weldability Of S235JR Steel Using MAG And SAW Processes**
Çetinkaya C., Akay A., Özdemir U.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.26, no.4, pp.1587-1600, 2023 (ESCI)
- II. **Hyper Duplex Stainless Steels and Their Weldability**
Özdemir U., Fındık T., Yılmaz C.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.11, no.1, pp.284-299, 2023 (Peer-Reviewed Journal)
- III. **Düşük Alaşımli Çeliklere Kaynakla Kaplama Yapılarak Balistik Özellik Kazandırılması**
Özdemir U., Sözeri M., Fındık T.
Gazi Mühendislik Bilimleri Dergisi, vol.8, no.2, pp.168-177, 2022 (Peer-Reviewed Journal)
- IV. **Effect of Shop-Primer Coating on S235JR Steel on MAG Weldability**
Çetinkaya C., Akay A., Arabacı U., Özdemir U.
Advances in Materials Science, vol.22, no.2, pp.49-63, 2022 (ESCI)
- V. **Yakma Alın Kaynağıyla Birleştirilmiş S355JR Yapı Çeliklerinde ITAB'ın Karakterizasyonu**
Kocamanoğlu G. E., Arabacı U., Özdemir U.
European Journal of Science and Technology, no.34, pp.354-359, 2022 (Peer-Reviewed Journal)
- VI. **Microstructure Characterization of 12Cr Martensitic Steel Weld Metal**
ACARER M., KESKİNKILIÇ S., KABAKCI F., ACAR F. K., ÖZDEMİR U.
Journal of Steel Research and Development, vol.2, no.1, pp.1-5, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Influence of the welding time on the structure and mechanical properties of vibration welded PPT20 polymers**
ARABACI U., ÖZDEMİR U.
in: Contemporary Multidisciplinary Technical Research, Leila AKBARISHAHABI, Editor, SRA Academic Publishing, Klaipeda, pp.169-180, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Characterization and mechanical behavior of E2594 super duplex stainless steel weld metal**
Özdemir U., Fındık T., Sözeri M.
TalentDetector2023_Summer, Bielsko-Biala, Poland, 26 - 28 June 2023, vol.2, pp.617-624

- II. **Maksymalizacja jakości spawania żeliwa ADI: minimalizacja ledeburytu w HAZ dzięki optymalizacji parametrów procesu**
Orzechowska K., Özdemir U., Şanver E. A., Fındık T.
XXIV Międzynarodowa Studencka Konferencja Naukowa "Materiały i technologie XXI Wieku", Katowice, Poland, 24 May 2023, pp.48
- III. **Optimizing Si-Content on E6013 Weld Metal to Improve Impact Toughness for Naval Industry**
Fındık T., Özdemir U.
International Conference on New Approaches (ICNAE'22), Konya, Turkey, 6 - 07 October 2022, pp.105-108
- IV. **Yakma Alın Kaynağıyla Birleştirilmiş S355JR Yapı Çeliklerinde ITAB'ın Karakterizasyonu**
Kocmanoğlu G. E., Arabacı U., Özdemir U.
2nd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 13 March 2022, pp.148-149
- V. **TIG-MIG HİBRİT ARK KAYNAK YÖNETİMİ İLE BİRLEŞTİRİLEN AL 6061 MALZEMELERİ MEKANİK VE METALURJİK ÖZELLİKLERİNİN İNCELENMESİ**
Cıngılhoğlu N., FİNDİK T., ÖZDEMİR U.
6 th International Conference on Welding Technologies and Exhibition (ICWET'21), Hatay, Turkey, 13 October 2021, pp.334-342
- VI. **TIG-MIG HİBRİT ARK KAYNAK YÖNETİMİ İLE BİRLEŞTİRİLEN AISI304 MALZEMELERİN MEKANİK VE METALURJİK ÖZELLİKLERİNİN İNCELENMESİ**
Güçlü Ö., FİNDİK T., ÖZDEMİR U.
6 th International Conference on Welding Technologies and Exhibition (ICWET'21), Hatay, Turkey, 13 October 2021, pp.325-333
- VII. **EFFECT OF PWHT TEMPERATURE AND TIME ON HARDNESS AND MICROSTRUCTURE OF 410NiMo**
ÖZDEMİR U., Keskinliç S., Acar F. K., KABAKCI F., ACARER M.
5th International Conference on Welding Technologies and Exhibition (ICWET'18), Sarajevo, Bosnia And Herzegovina, 26 September 2018
- VIII. **EFFECT OF COBALT ON THE MICROSTRUCTURE AND TOUGHNESS-HARDNESS PROPERTIES ON P91 WELD METAL**
KABAKCI F., ACARER M., Keskinliç S., Acar F. K., ÖZDEMİR U.
5th International Conference on Welding Technologies and Exhibition (ICWET'18), Sarajevo, Bosnia And Herzegovina, 26 September 2018
- IX. **Investigation of Cold Work Hardening Behavior of AISI 304 Stainless Steel**
Özdemir U., Keskinliç S., Acar F. K., Acarer M.
5th International Conference on Chemical, Materials, Mining and Manufacturing Engineering (CM3E-17), Denpasar, Indonesia, 11 October 2017
- X. **Effect of Tempering Temperatures on Microstructure and Mechanical Properties of AISI 9254 Steel**
TÜREDİ G. B., ÖZDEMİR U., MURATHAN Ö. F., KILIÇLI V.
International Conference on Materials Science and Technology in Cappadocia (IMSTEC2016), Nevşehir, Turkey, 06 April 2016

Supported Projects

2023 - 2026	Learn2Volunteer Reloaded, Erasmus Project
2023 - 2025	Connect Act Youth, Erasmus Project
2023 - 2024	Let's Find Virtual Reality Jobs in Manufacturing Sector, AB IPA Project
2023 - 2024	Development of Self-Shielded Hardfacing Cored Wire Technology, TUBITAK Project
2021 - 2023	Multiculti ART 4 You(th) (2020-1-FR02-KA227-YOU-018670), Erasmus Project
2020 - 2023	SERT DOLGU YAPILMIŞ YAPI ÇELİĞİNİN AŞINMA VE BALİSTİK ÖZELLİKLERİ, Project Supported by Higher Education Institutions
2021 - 2022	Yakma Alın Kaynağı Makinesi Modernizasyonu, Project Supported by Higher Education Institutions

2019 - 2021	SAVUNMA SANAYİ HEDEFLİ SU ALTI KAYNAK TEKNOLOJİ VE ÜRÜNLERİNİN GELİŞTİRİLMESİ, TUBITAK Project
2015 - 2016	Çelik Dökümünde Alternatif Gaz Giderme Yöntemi Olarak Alüminyum Cüruf Kullanımı, TUBITAK Project

Scientific Refereeing

August 2023	Journal of Applied Science and Engineering (Taiwan), Journal Indexed in ESCI
May 2023	ADVANCES IN MATERIALS SCIENCE, Journal Indexed in ESCI
February 2023	Savunma Bilimleri Dergisi, National Scientific Refreed Journal
November 2022	Gazi Mühendislik Bilimleri Dergisi, Other Indexed Journal
February 2022	Scientific Journal of Mehmet Akif Ersoy University, Other journals

Metrics

Publication: 20
Citation (WoS): 9
Citation (Scopus): 7
H-Index (WoS): 2
H-Index (Scopus): 2

Congress and Symposium Activities

2024	International Conference on Advanced Materials Science and Engineering and High-Tech Device Applications, Session Moderator, Ankara, Turkey
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Non Academic Experience

2017 - 2020	Business Establishment Private, Gedik Welding Inc., Ar-Ge Merkezi
2015 - 2016	University, Universitat Politècnica de Catalunya - UPC , Centre Català del Plàstic - CCP