

## Res. Asst. SAYIT ÖZBEY

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: GES-8594-2022

ScopusID: 57551890300

Yoksis Researcher ID: 342111

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Bölümü, Turkey 2023 - Continues

Postgraduate, Izmir Institute Of Technology, Makine Mühendisliği Bölümü , Turkey 2020 - 2023

Undergraduate, Bursa Technical University, Faculty Of Engineering And Natural Sciences, Department Of Mechanical Engineering, Turkey 2015 - 2020

Undergraduate, Politecnico di Bari, Faculty of Engineering, Mechanical Engineering, Italy 2018 - 2018

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Vocational Training, YÜKSEK VOLTAJ (1000 V ÜZERİ) EĞİTİMİ (İŞLETİM DÜZEYİ), Piri Reis Üniversitesi, 2024

Vocational Training, MAKİNE DAİRESİ KAYNAKLARI YÖNETİMİ (ERM) , Piri Reis Üniversitesi, 2024

Vocational Training, LİDERLİK VE EKİP ÇALIŞMASI EĞİTİMİ, Piri Reis University, 2024

Vocational Training, PETROL TANKERLERİNDE YÜK İŞLEMLERİ İLERİ EĞİTİMİ , Piri Reis Üniversitesi, 2024

Vocational Training, SIVILAŞTIRILMIŞ GAZ TANKERLERİNDE YÜK İŞLEMLERİ TEMEL EĞİTİMİ , Piri Reis Üniversitesi, 2024

Vocational Training, PETROL VE KİMYASAL TANKERLERİNDE YÜK İŞLEMLERİ TEMEL EĞİTİMİ, Piri Reis Üniversitesi, 2024

Vocational Training, UZAKYOL VARDİYA MÜH. TAMAMLAMA EĞİTİMİ (A-III/1) , Piri Reis Üniversitesi, 2024

### Dissertations

Postgraduate, Experimental investigation and optimization of laser surface treatment parameters for 1.2379 (AISI D2) tool steel, Izmir Institute Of Technology, 2023

### Research Areas

Mechanical Engineering, Energy, Mechanical, Thermodynamics, Naval Architecture and Marine Engineering, Engineering and Technology

## Academic Titles / Tasks

Research Assistant, Kocaeli University, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği, 2021 - Continues

## Academic and Administrative Experience

Erasmus Program Department Coordinator, Kocaeli University, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği, 2023 - Continues

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

- I. **Laser Welding of Ti6Al4V Titanium Alloy in Air and a Water Medium**  
Alhajhamoud M., Özbey S., Ilgaz M. A., Candan L., Çınar İ., Vukotić M., Čorović S., Miljavec D., Kayahan E.  
MATERIALS, vol.15, no.24, pp.1-16, 2022 (SCI-Expanded)
- II. **Laser Welding of 316L Austenitic Stainless Steel in an Air and a Water Environment**  
Alhajhamoud M., Candan L., Ilgaz M. A., Cinar I., Özbey S., Čorović S., Miljavec D., Kayahan E.  
Materials, vol.15, no.6, pp.1-16, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Analyzing the Energy Efficiency Design Index (EEDI) Performance of Landing Ships**  
Özdağ M., Özbey S., Tıkız İ.  
Denizcilik Araştırmaları Dergisi: Amfora, vol.3, no.5, pp.28-41, 2024 (Peer-Reviewed Journal)
- II. **Investigation of the Penetration Force of Disposable Sterile Needles through Biomedical Textile Surfaces**  
Kayahan E., Özbey S., Kosa U., Ilgaz M. A., Corovic S.  
ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, vol.13, no.1, pp.10014-10020, 2023 (ESCI)

## Books & Book Chapters

- I. **Açık Deniz Yapılarında Su Altı Kaynağı Teknikleri ve Otomasyonu**  
Özbey S., Tıkız İ.  
in: Denizcilikte Yeşil ve Dijital Dönüşüm, Murat Yorulmaz, Editor, Efe Akademik Yayıncılık, İstanbul, pp.133-146, 2024
- II. **Gemilerde Elektrikli Sevk Sistemleri ve Yenilenebilir Enerji**  
Özdağ M., Özbey S., Tıkız İ.  
in: Denizcilikte Yeşil ve Dijital Dönüşüm, Murat YORULMAZ, Editor, Efe Akademik Yayıncılık, İstanbul, pp.259-275, 2024
- III. **Advanced Laser Material Processing Techniques**  
Özbey S., Tıkız İ.  
in: Interdisciplinary Studies on Contemporary Research Practices in Engineering in the 21st Century- VI, Kamil Kaygusuz, Editor, Özgür Publications, Gaziantep, pp.103-120, 2024
- IV. **Renewable Energy Solutions for Commercial Ships**  
Özbey S., Tıkız İ.

in: Interdisciplinary Studies on Contemporary Research Practices in Engineering in the 21st Century- VI, Kamil Kaygusuz, Editor, Özgür Publications, Gaziantep, pp.141-156, 2024

V. **Dalga Enerjisinin Kullanım Alanlarının ve Türkiye'deki Konumunun İncelenmesi**

Uslu İ. U., Özbey S., Tıkız İ.

in: Mühendislik Alanında Akademik Araştırma ve Derlemeler II, Birol Kılıç, Editor, Platanus Publishing, Ankara, pp.137-151, 2023

## **Refereed Congress / Symposium Publications in Proceedings**

I. **Analysis of Surface Hardness and Roughness in Laser-Processed 1.2379 Tool Steel using Full Factorial Design and ANOVA**

Özbey S., Artem H. S.

5th International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 25 - 26 August 2024, pp.308-313

II. **ANOVA and Multiple Regression Analysis of Electropolishing Parameters for SLM 316L Stainless Steel**

Özbey S.

5th International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 25 - 26 August 2024, pp.696-700

III. **Design And Installation of Economizer for Energy Recovery from Waste Flue Gas of Hot Oil Boiler**

Uslu İ. U., Özbey S., Tıkız İ.

ASES VIII, International Health, Engineering and Sciences Conference, İzmir, Turkey, 6 - 07 April 2024, pp.5-12

IV. **A Comparative Study of Electro Galvanized, Zinc-Flake and Hot Dip Galvanized Coating on 5140 Tempered Steel**

Özbey S., Alhajhamoud M., Çınar İ., Candan L., Kayahan E.

International Marmara Sciences Congress (Imascon Autumn) 2021, Kocaeli, Turkey, 11 - 12 December 2021, pp.332-337

## **Metrics**

Publication: 13

Citation (WoS): 7

Citation (Scopus): 9

H-Index (WoS): 2

H-Index (Scopus): 2