

Res. Asst. CEM ALPARSLAN

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International Researcher IDs

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Publons / Web Of Science ResearcherID: JHU-2409-2023

ScopusID: 58150472300

Yoksis Researcher ID: 334909

Education

Doctorate, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, Turkey
2023 - Continues

Postgraduate, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ,
Turkey 2021 - 2023

Undergraduate, Ankara Yıldırım Beyazıt University, Mühendislik Ve Doğa Bilimleri Fakültesi, Makine Mühendisliği, Turkey
2014 - 2019

Undergraduate, University of Sussex, Mechanical Engineering, England 2016 - 2016

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, Scanning Elektron Microscope (SEM), Scanning Elektron Microscope , 2020

Other, Strategic Management Training , Strategic Management Training , 2020

Quality Management, Continuous Improvement Training , Continuous Improvement Training (5S-KAIZEN), 2020

Other, Geometric Dimensioning and Tolerance , Geometric Dimensioning and Tolerance , 2020

Foreign Language, Ankara Yıldırım Beyazıt University Prep School, İngilizce Hazırlık (Pearson), 2014

Dissertations

Postgraduate, Investigation of the effect of T6 heat treatment on machinability properties in milling of Al-7Si-Mg and Al-7Si-0.6Mg alloys, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ,
2023

Research Areas

Academic Positions

Research Assistant, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2021 - Continues

Journal articles indexed in SCI, SSCI, and AHCI

- I. **The Effect of Green Areas on Urban Microclimate: A University Campus Model Case**
Oğuztürk G. E., Sünbül S., Alparslan C.
Applied Sciences, vol.15, no.8, pp.1-22, 2025 (SCI-Expanded)
- II. **A comprehensive review on sustainability in EDM process of additive manufactured materials**
Şentürk E., ALPARSLAN C., BAYRAKTAR Ş., Korkmaz M. E., Günay M.
Measurement: Journal of the International Measurement Confederation, vol.245, 2025 (SCI-Expanded)
- III. **A Review on Additive Manufactured Engineering Materials for Enhanced Road Safety and Transportation Applications**
Alparslan C., Yentimur M. F., Kütük T., Bayraktar Ş.
POLYMERS, vol.17, no.7, pp.1-42, 2025 (SCI-Expanded)
- IV. **A holistic research based on RSM and ANN for improving drilling outcomes in Al-Si-Cu-Mg (C355) alloy**
Bayraktar Ş., Alparslan C., Salihoğlu N., Sarıkaya M.
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, vol.35, pp.1596-1607, 2025 (SCI-Expanded)
- V. **The impact of heat treatment process on the drilling characteristics of Al-5Si-1Cu-Mg alloy produced by sand casting**
BAYRAKTAR Ş., ALPARSLAN C., Salihoğlu N., Sarıkaya M.
Journal of Materials Research and Technology, vol.33, pp.2764-2772, 2024 (SCI-Expanded)
- VI. **Experimental research and optimization based on response surface methodology on machining characteristics of cast Al-7Si-0.6 Mg alloy: Effects of cutting parameters and heat treatment**
ALPARSLAN C., BAYRAKTAR Ş.
MEASUREMENT, vol.236, 2024 (SCI-Expanded)
- VII. **An Experimental Study on Microstructural, Mechanical and Machinability Properties of As-Cast and Heat-Treated Al-7Si-Mg Alloy**
ALPARSLAN C., BAYRAKTAR Ş.
SILICON, vol.16, no.9, pp.3971-3985, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **Tool Wear in Machining of Wrought and Cast Aluminium Alloys: Literature Review**
Alparslan C., Bayraktar Ş.
İmalat Teknolojileri ve Uygulamaları, vol.2, no.3, pp.34-46, 2021 (Peer-Reviewed Journal)

Books

- I. **Comprasion of SLM, SLS and DLMS Techniques in Additive Manufactured AlSi10Mg Alloys**
Bayraktar Ş., Alparslan C.
in: Innovation and Sustainable Manufacturing, Machado Carolina; Davim Paulo, Editor, Elsevier-Woodhead Publishing, pp.231-253, 2023

II. Introduction to Gas and Solid State Laser Techniques in Cutting Process

Bayraktar Ş., Alparslan C.

in: Advanced Engineering of Materials Through Lasers, J. Radhakrishnan, Sunil Pathak, Editor, Springer Nature, Zürich, pp.35-54, 2022

III. Sustainable Abrasive Jet Machining

Bayraktar Ş., Alparslan C.

in: Advances in Sustainable Machining and Manufacturing Processes, Kishor Kumar Gajrani, Arbind Prasad, Ashwani Kumar, Editor, CRC, New York, New York, pp.173-188, 2022

IV. Artificial Neural Networks for Machining

Bayraktar Ş., Alparslan C.

in: Advances in Sustainable Machining and Manufacturing Processes, Kishor Kumar Gajrani, Arbind Prasad, Ashwani Kumar, Editor, CRC, New York, New York, pp.189-204, 2022

Papers Presented at Peer-Reviewed Scientific Conferences

I. Analysis of Surface Roughness in Machining of Al-Si Based Alloys: An Experimental Study

Alparslan C., Bayraktar Ş.

ICENTE (7th International Conference on Engineering Technologies), Konya, Turkey, 23 - 25 November 2023, pp.276-280, (Full Text)

II. Comparison of Machinability Performances in Milling of Al-7Si-Mg and Al-7Si-0.6Mg Alloys

Alparslan C., Bayraktar Ş.

5th International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 12 July 2023, vol.1, no.1, pp.977-983, (Full Text)

Funded Projects

Altıntaş A., Alparslan C., TUBITAK Project, Ergonomic Original Design and Analysis of Mobile Power Bank (Powerbank) That Can Be Charged Using Solar Energy, 2025 - 2026

Dervişoğlu U., Alparslan C., TUBITAK Project, Original Design of Gear System Used in Steering Systems, Production of PLA and EPO-RESIN Materials with FDM Method and Investigation of Structural and Mechanical Properties with Experimental and Finite Element Analysis, 2025 - 2026

Can Y. T., Alparslan C., TUBITAK Project, Ergonomic Original Design, Structural and Dynamic Analysis of Scissors Used in Tea Picking Process, 2025 - 2026

Metrics

Publication: 14

Citation (WoS): 17

Citation (Scopus): 20

H-Index (WoS): 3

H-Index (Scopus): 4

Congress and Symposium Activities

ISITES2021 9th International Symposium on Innovative Technologies in Engineering and Science, Attendee, Sakarya, Turkey, 2021