

Res. Asst. MURAT HACIOSMANOĞLU

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: GZN-1141-2022

ScopusID: 57201856644

Yoksis Researcher ID: 269893

Education Information

Doctorate, Recep Tayyip Erdogan University, Lisansüstü Eğitim Enstitüsü, Makine Mühendisliği, Turkey 2019 - Continues

Postgraduate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2016 - 2019

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2008 - 2013

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Çinko Katkılarının Al-17Si-4Cu-0,6Mg-0,2Ti Alaşımının Yapısal, Mekanik ve Yağsız Çalışma Şartlarındaki Sürtünme-Aşınma Özelliklerine Etkisinin İncelenmesi, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, 2019

Research Areas

Construction and Manufacturing, Tribology, NDT Engineering, Casting Methods, Material, Machining Methods, Mechanical Testing, Testing and Control of Materials, Mechanical Properties, Physical Properties, Corrosion and Corrosion Protection, Nondestructive Testing, Physical Metallurgy, Thermal Treatment, Material Characterization, Mechanical Metallurgy, Metallic Materials, Structure-Property Relationship, Non-Ferrous Alloy Production

Academic Titles / Tasks

Research Assistant, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. Investigation of the effects of T5 and T6 heat treatments on the structural, mechanical, and tribological properties of Zn-40Al-2Cu-0.1Sr alloy

Hekimoğlu A. P., Haciosmanoğlu M., Tellioglu M., Savaskan T.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.4, pp.2187-2196, 2024 (SCI-Expanded)

- II. **Effect of Strontium on the Microstructure, Mechanical, and Tribological Properties of the Zn-40Al-2Cu Alloy**
Haciosmanoğlu M., Tellioglu M., Hekimoğlu A. P.
INTERNATIONAL JOURNAL OF METALCASTING, vol.17, no.4, pp.3133-3142, 2023 (SCI-Expanded)
- III. **EFFECT OF CASE DEPTHS ON CORROSION PROPERTIES OF HARD ANODIC OXIDIZED A356 ALUMINUM ALLOY**
Haciosmanoğlu M., Basyigit A. B., Hekimoğlu A. P., Bican O.
SURFACE REVIEW AND LETTERS, vol.30, no.04, 2023 (SCI-Expanded)
- IV. **A review on converting plastic wastes into clean hydrogen via gasification for better sustainability**
Midilli A., Küçük H., Haciosmanoğlu M., Akbulut U., Dincer İ.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.4, pp.4001-4032, 2022 (SCI-Expanded)
- V. **Effect of different zinc contents on the structural, mechanical and tribological properties of EN AC-48100 (Al-17Si-4Cu-Mg) Alloy**
Hekimoğlu A. P., Haciosmanoğlu M., Baki M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.4, pp.1799-1814, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Bakır ve Magnezyum Katkılarının Al-17Si Alaşımının Yapısal, Mekanik ve Tribolojik Özelliklerine Etkisi**
Hekimoğlu A. P., Haciosmanoğlu M.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.11, no.2, pp.685-694, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Farklı Gerilme Miktarlarının Donatı Çeliğinin Korozyonuna Etkisi**
ÇELİK İ., USTABAŞ İ., HEKİMOĞLU A. P., HACIOSMANOĞLU M.
1st International Conference on Recent Academic Studies ICRAS 2023, Konya, Turkey, 02 May 2023, vol.1, pp.70-75
- II. **Çinko Katkılarının Al-17Si-4Cu-0,6Mg-0,2Ti Alaşımının Korozyon Direncine Etkisi**
HACIOSMANOĞLU M., HEKİMOĞLU A. P.
Savunma Sanayi ve Sempozyumu Sergisi'22, Kayseri, Turkey, 13 October 2022
- III. **Exergy Loss Calculation in a Power Generation System for a Research Hospital**
Haciosmanoğlu M., Midilli A.
12th International Exergy, Energy and Environment Symposium (IEEES-12), Ad-Dawahh, Qatar, 20 - 24 December 2020, pp.155
- IV. **Al-17Si-(0-1)Ti Alaşımlarının İyapısı ve Mekanik Özellikleri**
Haciosmanoğlu M., Hekimoğlu A. P.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia / TURKEY (IMSMATEC 2019), Nevşehir, Turkey, 21 - 23 June 2019, pp.563-568
- V. **Effect of Cooling Rate on Corrosion Resistance of Al-25Zn-3Cu Alloy**
Hekimoğlu A. P., Haciosmanoğlu M.
CIEA' 2018 International Conference on Innovative Engineering Applications, Sivas, Turkey, 20 - 22 September 2018, pp.80-88
- VI. **Al-(2-30)Si Alaşımlarının İyapı ve Mekanik Özellikleri**

Hekimoğlu A. P., Haciosmanoğlu M.

3. International Conference on Material Science and Technology in Cappadocia (IMSTEC' 2018), Nevşehir, Turkey, 17 - 19 September 2018, pp.169-174

VII. MICROSTRUCTURE AND MECHANICAL PROPERTIES OF Al-(2-30)Si ALLOYS

HEKİMOĞLU A. P., HACIOSMANOĞLU M.

3rd International Conference on Material Science and Technology in Cappadocia (IMSTEC'18), Nevşehir, Turkey, 17 - 19 September 2018, pp.1-6

VIII. Soğuma Hızının Al-25Zn-3Cu Alaşımının Mekanik Özelliklerine Etkisi

Hekimoğlu A. P., Haciosmanoğlu M., Bekiryazıcı E.

III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 22 June 2018, pp.835-846

IX. SOĞUMA HIZININ AL-25ZN-3CU ALAŞIMININ MEKANİK ÖZELLİKLERİNE ETKİSİ

HEKİMOĞLU A. P., HACIOSMANOĞLU M., Bekiryazıcı E.

III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 22 June 2018, pp.1-13

X. A Performance Comparison Study of Uncoated and TiAlN Coated Carbide End Mill on Machining of the Al-35Zn Alloy

Bayraktar Ş., Hekimoğlu A. P., Turgut Y., Haciosmanoğlu M.

9. International Conference on Tribology (BalkanTRib'17), Nevşehir, Turkey, 13 - 15 September 2017, pp.490-496

XI. Farklı Kesici Takımların Al-5Zn Alaşımının İşlenebilirliğine Etkisi

Bayraktar Ş., Hekimoğlu A. P., Turgut Y., Haciosmanoğlu M.

ISIDE 2nd International Symposium on Industrial Design Engineering, Nevşehir, Turkey, 13 - 15 September 2017, pp.134-140

XII. A Study on Comparison of Performances Cutting Tool in Milling of Al-35Zn Alloy

Bayraktar Ş., Hekimoğlu A. P., Turgut Y., Haciosmanoğlu M.

9. International Conference on Tribology (BalkanTRib'17), Nevşehir, Turkey, 13 - 15 September 2017, pp.1

XIII. Effect of Different Cutting Tools on Machinability of the Al-5Zn Alloy

BAYRAKTAR Ş., HEKİMOĞLU A. P., TURGUT Y., HACIOSMANOĞLU M.

2'nd International Symposium on Industrial Design & Engineering, Nevşehir, Turkey, 13 - 15 September 2017, pp.1

XIV. Effect of Different Cutting Tools on Machinability of the Al-5Zn Alloy

BAYRAKTAR Ş., HEKİMOĞLU A. P., TURGUT Y., HACIOSMANOĞLU M.

2'nd International Symposium on Industrial Design & Engineering, Nevşehir, Turkey, 13 - 15 September 2017, pp.1

Supported Projects

Hekimoğlu A. P., Haciosmanoğlu M., Project Supported by Higher Education Institutions, Vakum Altında Ark Ergitme ve İndüksiyon Ocağında Ergitme Yöntemleri İle Üretilen AlSiTi Alaşımının Yapısal ve Mekanik Özelliklerinin Karşılaştırılması, 2016 - 2019

Hekimoğlu A. P., Haciosmanoğlu M., Project Supported by Higher Education Institutions, Kalıp Boyutlarının Al₂₅Zn₃Cu Alaşımının Yapısal Mekanik ve Korozyon Özelliklerine Etkisinin İncelenmesi, 2016 - 2018

Metrics

Publication: 20

Citation (WoS): 15

Citation (Scopus): 21

H-Index (WoS): 2

H-Index (Scopus): 3

Non Academic Experience

Company, Hekimođlu Döküm Sanayii, Talaşı İmalat Birimi