

Res. Asst. MÜCAHİT KOCAMAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AEL-8708-2022

ScopusID: 57795871100

Yoksis Researcher ID: 337986

Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, Turkey 2022 - Continues

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, Turkey 2017 - 2022

Undergraduate, Bursa Technical University, Faculty Of Natural Sciences, Architecture And Engineering, Department Of Mechatronics Engineering, Turkey 2012 - 2017

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Yüksek Sıcaklık Endüstriyel Tekerlek Uygulamaları için Polimer Esaslı Kompozit Malzeme Geliştirilmesi ve Özelliklerinin İncelenmesi, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2022

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Composites, Polymeric Materials

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of microstructural, hardness, and wear properties of AlCrCuFeNi high entropy alloys produced by hot-pressing with the enhancement of manufacturability through electroless Ag incorporation**
ÇELEBİ M., GÜLER O., KARABACAK A. H., ÇANAKÇI A., AKÇAY S. B., KOCAMAN M., ÇUVALCI H., VAROL T.
Tribology International, vol.201, 2025 (SCI-Expanded)
- II. **Effect of expandable graphite content on the physical, thermal and mechanical properties of novolac matrix composites: Halogen-free flame-retardant polymer composites**
KOCAMAN M., AKÇAY S. B., GÜLER O., ÇUVALCI H., VAROL T.
Diamond and Related Materials, vol.150, 2024 (SCI-Expanded)
- III. **Enhancing mechanical properties and tribological performance through boron carbide hybridization in Novolac matrix graphite composites under dry sliding condition**
KOCAMAN M., AKÇAY S. B., GÜLER O., ÇUVALCI H., VAROL T.
Tribology International, vol.199, 2024 (SCI-Expanded)
- IV. **Effect of the Ag coated ABS granules and hot-pressing temperature on the microstructure evolution and properties of novel Ag/ABS composites**
Akçay S. B., Kocaman M., Güler O., Ömür F. D., Varol T., Aslan M., Çava K.
Surfaces and Interfaces, vol.51, 2024 (SCI-Expanded)
- V. **Fabrication of mechanical durable novolac matrix composites with recycled and cost-effective candle-soot nano particles**
Kocaman M., Güler O., Çuvalcı H., Akçay S. B.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, 2024 (SCI-Expanded)
- VI. **Pre-hardening water quenching effect on the wear resistance of TiCN coated 4140 steels**
YALÇIN E. D., GÜLER O., KARABACAK A. H., ÇANAKÇI A., VAROL T., KOCAMAN M., ÇELEBİ M., AKÇAY S. B.
SURFACE & COATINGS TECHNOLOGY, vol.480, 2024 (SCI-Expanded)
- VII. **Surface modification for improving interfacial, mechanical and thermal performance characteristics in epoxy composites: Electroless nickel enhancement of dendritic copper particle-reinforced epoxy**
Akçay S. B., Kocaman M., Çelebi M., Güler O., Varol T.
Surface and Coatings Technology, vol.478, 2024 (SCI-Expanded)
- VIII. **The effect of recycled zinc powder content on the properties of novel novolac matrix hybrid composites**
Kocaman M., Akçay S. B., Güler O., Çuvalcı H., Varol T., Çuvalcı O.
TRIBOLOGY INTERNATIONAL, vol.188, 2023 (SCI-Expanded)
- IX. **The effect of novel advanced method on the properties of novolac hybrid nanocomposites reinforced with carbon nanotube and glass fiber**
Kocaman M., Çuvalcı H., Çanakçı A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.140, no.36, 2023 (SCI-Expanded)
- X. **The evolution of tribological properties of graphite and glass fiber reinforced novolac matrix hybrid composites**
KOCAMAN M., ÇUVALCI H.
POLYMER COMPOSITES, vol.43, no.12, pp.9100-9118, 2022 (SCI-Expanded)
- XI. **Structure and tribological properties of composites based on a Novolac matrix with Ni-P electrolytic coating**
Güler O., Kocaman M., Akçay S. B., Çuvalcı H., Varol T.
SURFACE & COATINGS TECHNOLOGY, vol.451, 2022 (SCI-Expanded)
- XII. **Novel Flame-retarded Novolac Matrix Hybrid Composites with Graphite Particles and Glass Fiber Reinforcement**
KOCAMAN M., ÇUVALCI H., GÜLER O.
FIBERS AND POLYMERS, vol.23, no.7, pp.2017-2029, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Wear Behavior of Al2024 Alloy Produced via Powder Metallurgy Using the Taguchi Method**
AKÇAY S. B., VAROL T., ERDEMİR F., KOCAMAN M.
Proceeding Book of 3rd International Conference on Contemporary Academic Research ICCAR 2024, Konya, Turkey, 10 - 11 November 2024, pp.232-239
- II. **Investigation of the effects of hot-pressing temperature on Ti-B4C composite materials produced with 10% B4C reinforcement**
AKÇAY S. B., VAROL T., ÇUVALCI O., KOCAMAN M., Atik G.
Proceeding Book of 3rd International Conference on Contemporary Academic Research ICCAR 2024, Konya, Turkey, 10 - 11 November 2024, pp.240-246
- III. **Effect of multi-walled CNT dispersion on the Mechanical Properties of Novolac hybrid nanocomposites**
Kocaman M., Çuvalcı H., Çelebi M.
2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 - 18 October 2022, pp.126-130
- IV. **The Effect of Aging Time and Temperature on The Hardness and Tensile Strength of Al2024 Alloy and Al2024/Graphene/B4C Hybrid Nanocomposite**
Çelebi M., Çanakçı A., Kocaman M.
2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 - 18 October 2022, pp.1104-1107
- V. **Investigation of the effects of Electrolytic Ni-P Coating on the Wear Properties of Glass Fiber and Graphite Reinforced Novolac Matrix Hybrid Composites**
Akçay S. B., Kocaman M., Güler O., Varol T., Çuvalcı H.
2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 - 18 October 2022, pp.1132-1136
- VI. **Tribological properties of glass fiber reinforced Novolac/Gr hybrid composites**
Kocaman M., Çuvalcı H.
1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 - 13 May 2022, pp.533-538
- VII. **Application of electrolytic Ni-P coatings onto Novolac/Graphite/Glass Fiber hybrid composites**
Güler O., Kocaman M.
1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 - 13 May 2022, pp.526-531
- VIII. **Influence of the graphite content on the tribological properties of Novolac/GF/Gr hybrid composites**
Kocaman M., Çuvalcı H., Güler O.
1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 - 13 May 2022, pp.516-522
- IX. **Effect of graphite particles on the mechanical and physical properties of Novolac/Gr/Glass fiber hybrid composites**
Kocaman M., Çuvalcı H.
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 1 - 03 November 2021, pp.308-314
- X. **Effect of glass fiber rate on the mechanical and physical properties of Novolac/Gr/Glass fiber hybrid composites**
Kocaman M., Çuvalcı H., Güler O.
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 1 - 03 November 2021, pp.301-307

Supported Projects

SARI A., GÜLER O., KOCAMAN M., AKÇAY S. B., ÇAKIR E., ÇANAKÇI A., ALVER Ü., ÇUVALCI H., VAROL T., ASLAN M., et al., Project Supported by Higher Education Institutions, MetalGenleştirilmiş GrafitKarbonize edilmiş Polimer Köpük Kompozit Faz Değişiren Malzemelerinin Isıl Enerji Depolama Amaçlı Geliştirilmesi, 2022 - Continues

Aslan M., Çuvalcı H., Küçükömeroğlu T., Kocaman M., Sert Y., Çava K., Yazgan A., Taşcıoğlu M. E., Project Supported by Higher Education Institutions, Rotil yatakları için katkıli Polioksümetilen (POM) malzemesinin tribolojik özelliklerinin belirlenmesi, 2023 - 2024

Aslan M., Çuvalcı H., Kocaman M., Çava K., Günaçar A. F., Erdem A. F., Öztürk M., Adanur C., Sarkı G., Project Supported by Higher Education Institutions, Hafif silah gövdelerinde cam elyaf takviyeli Poliamid 66 kompozitlerin kullanım özelliklerine doğal ve suni yaşlandırma etkisinin incelenmesi, 2022 - 2024

Metrics

Publication: 23
Citation (WoS): 52
Citation (Scopus): 57
H-Index (WoS): 5
H-Index (Scopus): 6

Non Academic Experience

Public Corporation, Türk Standardları Enstitüsü, Trabzon Ürün Belgelendirme Müdürlüğü
National Education Directorate, FARUK BAŞARAN BİLİM VE SANAT MERKEZİ, Proje Eğitmeni