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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: 199548

Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Makina Fakültesi, Makina Mühendisliği, Türkiye 2010 - 2016

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Türkiye 2008 - 2010

Lisans, Yıldız Teknik Üniversitesi, Makina Fakültesi, Makina Mühendisliği, Türkiye 2003 - 2007

Araştırma Alanları

Makina Mühendisliği, Konstrüksiyon ve İmalat, Malzeme, Malzeme Bilimi ve Mühendisliği, Malzeme Testi ve Kontrolü, Mekanik Özellikler, Kompozitler, Polimerik Malzemeler, Malzeme Karakterizasyonu, Metalik Malzemeler, Nanomalzemeler, Selülozik Malzemeler, Mühendislik ve Teknoloji

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. The effects of various boron compounds on the thermal, microstructural and mechanical properties of PLA biocomposites

Avci A., AKDOĞAN EKER A., BODUR M. S., KÜÇÜKYILDIRIM B. O.

Thermochimica Acta, cilt.731, 2024 (SCI-Expanded)

II. Water absorption characterization of boron compounds-reinforced PLA/flax fiber sustainable composite.

Avci A., Eker A., Bodur M. S., Candan Z.

International journal of biological macromolecules, cilt.233, ss.123546, 2023 (SCI-Expanded)

III. An experimental investigation on the thermal and mechanical characterization of boron/flax/PLA sustainable composite

Avci A., Eker A. A., Bodur M. S., Candan Z.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, cilt.236, ss.2561-2573, 2022 (SCI-Expanded)

IV. Effect of coupling agent and alkali treatment on mechanical, thermal and morphological properties of flax-fiber-reinforced PLA composites

Avci A., AKDOĞAN EKER A., Bodur M. S.

GREEN MATERIALS, cilt.9, sa.3, ss.131-144, 2021 (SCI-Expanded)

V. Photostabilizers performance on the surface analysis of green composites

Sönmez H. E., Bodur M. S., Baysan A. A., Bakkal M., Serhatlı İ. E.

Polymers and Polymer Composites, cilt.29, sa.1, ss.57-64, 2021 (SCI-Expanded)

- VI. A study on the photostabilizer additives on the textile fiber reinforced polymer composites: Mechanical, thermal, and physical analysis
Bodur M. S., Bakkal M., Sonmez H. E.
Polymer Engineering and Science, cilt.58, sa.7, ss.1082-1090, 2018 (SCI-Expanded)
- VII. Water absorption behavior and kinetics of glass fiber/waste cotton fabric hybrid composites
Bodur M. S., Englund K., Bakkal M.
Journal of Applied Polymer Science, cilt.134, sa.47, 2017 (SCI-Expanded)

Düger Dergilerde Yayınlanan Makaleler

- I. Examination of Water Uptake Performance and Mechanical Properties of PLA/Flax Fiber Biocomposites With The Coupling Agent
AVCI A., AKDOĞAN EKER A., BAKKAL M., BODUR M. S.
Synthesis and Sintering, cilt.2, ss.55-61, 2022 (Hakemli Dergi)
- II. AISI 304 paslanmaz çelik talaşlı şekil verme işlemlerinde yüzey pürüzlülüğü ve güç tüketimini azaltmaya yönelik istatistiksel yaklaşım
BODUR M. S.
ENGINEERING SCIENCES, cilt.11, sa.2, ss.379-386, 2022 (Hakemli Dergi)
- III. Young's Modulus estimation techniques for the randomly oriented natural fiber reinforced composites: Finite Element Analysis and Analytical Models
BODUR M. S., BAKKAL M.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, cilt.25, sa.4, ss.454-461, 2019 (Hakemli Dergi)
- IV. Glass Fiber/Waste Cotton Fabric Reinforced Hybrid Composites: Mechanical Investigations
BODUR M. S., BAKKAL M., Englund K.
DIFFUSION AND DEFECT DATA. SOLID STATE DATA. PART B. SOLID STATE PHENOMENA, cilt.263, ss.179-183, 2017 (Scopus)

Kitap & Kitap Bölümleri

- I. Doğal Lif Takviyeler
AVCI A., AKDOĞAN EKER A., BODUR M. S.
Mühendislik Bilimleri alanında Yeni Terendler, Birol KILIÇ, Gülden BAŞYİĞİT KILIÇ, Editör, DUVAR, Ankara, ss.47-61, 2022
- II. Biyokompozitlerin Termal Özellikleri
AVCI A., AKDOĞAN EKER A., BODUR M. S.
Mühendislik Bilimleri alanında Yeni Trendler, Birpl KILIÇ, Gülden BAŞYİĞİT KILIÇ, Editör, DUVAR Yayıncıları, Ankara, ss.721-742, 2022

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. The Effect of Ulexite Compound on The Mechanical Properties of the PLA Matrix
AVCI A., AKDOĞAN EKER A., BODUR M. S.
6th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCE MATERIALS SCIENCE, Ağrı, Türkiye, 11 - 13 Ekim 2022, ss.209-213
- II. An Experimental Study on the Thermal Properties of Boron/PLA Sustainable Biocomposites
AVCI A., AKDOĞAN EKER A., BODUR M. S.
6th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCE MATERIALS SCIENCE,

Ağrı, Türkiye, 11 - 13 Ekim 2022, ss.203-208

- III. **Effect of electrospun polycarbonate nano fiber on the mechanical properties of glass fiber reinforced composites**
BODUR M. S., Baysan A. A.
Global Summit on Advanced Materials and Sustainable Energy (GAMSE22), Türkiye, 3 - 04 Ekim 2022
- IV. **EFFECT OF WATER UPTAKE PERFORMANCE OF PLA/FLAX FIBER GREEN COMPOSITES ON THE IMPACT BEHAVIOUR**
AVCI A., AKDOĞAN EKER A., BODUR M. S.
International Conference on Nuclear Technology, Radiation Safety and Advanced Technological Researches (ICNRA2021), Türkiye, 10 - 11 Aralık 2021
- V. **TOUGHENING METHOD OF GLASS FIBER REINFORCED THERMOSET MATRIX COMPOSITE MATERIALS: THERMOPLASTIC ADDITION**
BODUR M. S.
Global Conference on Engineering Research (GLOBERCER'21), Türkiye, 2 - 05 Haziran 2021
- VI. **Effect of cutting parameters on the surface roughness of AISI 304 stainless steel**
BODUR M. S.
International Congress of Academic Research (ICAR21), Türkiye, 19 - 21 Nisan 2021
- VII. **INVESTIGATION OF MECHANICAL AND THERMOS MECHANICAL BEHAVIOR OF FLAX FIBER-REINFORCED PLA BIO-COMPOSITES WITH A COUPLING AGENT AND INTERNAL LUBRICANT**
AVCI A., AKDOĞAN EKER A., BODUR M. S.
6th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, İstanbul, Türkiye, 17 - 18 Aralık 2020, ss.531-540