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International Researcher IDs

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Publons / Web Of Science ResearcherID: ACP-6959-2022

ScopusID: 57893904200

Yoksis Researcher ID: 331972

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Mechanical Engineering, Turkey
2023 - Continues

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Mechanical Engineering,
Turkey 2019 - 2023

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering,
Turkey 2014 - 2019

Foreign Languages

English, C1 Advanced

Research Areas

Tribology, Material, Composites, Biomaterials, Material Characterization, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical
Engineering, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Enhanced Tribological Properties of Nanolubricants with Multiwalled Carbon Nanotube Additives**
DEMİRKOL M., KÜÇÜKYILDIRIM B. O.
Journal of Testing and Evaluation, vol.52, no.5, 2024 (SCI-Expanded)
- Effect of the low-intensity pulsed ultrasound therapy on healing of Achilles tendinopathy in a rat model**

Kurtulmuş T., Çelebi M. E., Bektaş E., Arıcan Ç. D., KÜÇÜKYILDIRIM B. O., DEMİRKOL M.

Acta Orthopaedica et Traumatologica Turcica, vol.58, no.2, pp.102-109, 2024 (SCI-Expanded)

III. The Effects of a Novel Nanohydroxyapatite Gel and Er: YAG Laser Treatment on Dentin Hypersensitivity

Sahin D., Deger C., Oglakci B., Demirkol M., Kucukyildirim B. O., Gursel M., Dalkilic E. E.

Materials, vol.16, no.19, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Sıçanlarda çinko-sülfat mineral takviyesinin aşil tendon iyileşmesi üzerindeki etkileri The effects of zinc sulfate mineral supplementation on Achilles tendon healing in rats**
Önalöglü Y., Alagöz E., Solmaz M., Yıldırım Erdoğan N., DEMİRKOL M., KÜÇÜKYILDIRIM B. O.
Ulusal travma ve acil cerrahi dergisi = Turkish journal of trauma & emergency surgery : TJTES, vol.30, no.10, pp.701-707, 2024 (Scopus)
- II. **Effects of Linagliptin and Pioglitazone on Fracture Healing in an Experimental Type 2 Diabetes Rat Model.**
Mraja H. M., Caglar S., Uslu M., Yılmaz B., Dasci M. F., Sarac E. Y., Demirkol M.
Cureus, vol.14, no.12, 2022 (ESCI)
- III. **The Effect of Curing Modes and Times of Third-Generation Led LCU on the Mechanical Properties of Nanocomposites**
OĞLAKÇI B., Ozlen R. H. E., DEMİRKOL M., ÖZDUMAN Z. C., KÜÇÜKYILDIRIM B. O., DALKILIÇ E.
ODOVTOS INTERNATIONAL JOURNAL OF DENTAL SCIENCES, vol.24, no.3, pp.61-74, 2022 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Influence of Titanium Dioxide Nanoparticle Reinforcement on The Surface Properties of Photocatalytic PMMA Composites**
Demirkol M., Küçükyıldırım B. O.
6th International Conference on Advances in Mechanical Engineering, 20 - 22 October 2021, pp.396-406
- II. **Effects of Titanium Dioxide Nanoparticle Reinforcement to the Hardness and Wear Rate of Photocatalytic PMMA Composites**
DEMİRKOL M., HEYDARPOOR M., KÜÇÜKYILDIRIM B. O.
5th International Conference on Advances in Mechanical Engineering, 17 - 19 December 2019, pp.817-824
- III. **Titanyum Dioksit Nanotüplerin Akışkan Bulk Fill Kompozitlerin Mekanik Özellikleri Üzerine Etkisi**
ÖZLEN R. H., DEMİRKOL M., KÜÇÜKYILDIRIM B. O., DALKILIÇ E.
23rd International Scientific Congress, 6 - 08 December 2019
- IV. **Lubrication Characteristics of Oils with Industrial Type Carbon Nanotube Additives**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A., DEMİRKOL M.
9th International Conference on Tribology (BalkanTRib'17), 13 September 2017

Supported Projects

Akdoğan A., Vanlı A. S., Küçükyıldırım B. O., Demirkol M., Erçetin B., Güler H., Ünal M., TUBITAK Project, Düşük Kurşunlu Bakır Alaşımlarının Alçak Basıncılı Döküm Yöntemi ile Üretilebilirliğinin Araştırılması, 2023 - 2025

Oğlakçı B., Özdoğan Z. C., Dalkılıç E., Yüksel Mayda P., Koçyiğit A., Yenigün V. B., Demirkol M., Akdoğan Eker A., Küçükyıldırım B. O., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Titanyum dioksit nanotüp takviyeli geleneksel cam iyonomer simanların mekanik ve yüzey özelliklerinin, antibakteriyel etkinliğinin ve biyoyoumluluklarının değerlendirilmesi, 2022 - 2024

Küçükylırım B. O., Demirkol M., Akdoğan Eker A., Project Supported by Higher Education Institutions, DLP tipi 3-boyutlu yazıcı ile titanyum dioksit nanotüp takviyeli polimer matrisli antimikrobiyal nanokompozitlerin geliştirilmesi, 2022 - 2023

Patent

Oğlakçı B., Koçyiğit A., Yüksel Mayda P., Dalkılıç E., Akdoğan Eker A., Küçükylırım B. O., Demirkol M., Yenigün V. B., Özduvan Z. C., Titanyum Dioksit Nanotüp Takviyeli Cam İyonomer Simanların Üretim Yöntemi, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2023 013228 B , Standard Registration, 2024

Scientific Refereeing

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, SCI Journal, March 2021

Tasks In Event Organizations

Ulusarslan D., DEMİRKOL M., 6th International Conference on Advances in Mechanical Engineering, Scientific Congress, İstanbul, Turkey, Ekim 2021

Scientific Research / Working Group Memberships

Advanced Materials Research Group, Yıldız Technical University, Türkiye, amrg.yildiz.edu.tr, 2016 - Continues

Metrics

Publication: 10

Citation (Scopus): 6

H-Index (Scopus): 1