

SELİM ERCİHAN TOKTAŞ

RES. ASST. PHD

Email : stoktas@metu.edu.tr

International Researcher IDs

ScholarID: 0hm9IvwAAAAJ

ORCID: 0000-0003-0873-145X

Publons / Web Of Science ResearcherID: AAZ-9271-2020

ScopusID: 57218421628

Yoksis Researcher ID: 240136



Learning Knowledge

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| Doctorate 2018 - 2024 | Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, Turkey |
| Postgraduate 2015 - 2018 | Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, Turkey |
| Undergraduate 2008 - 2013 | Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, Turkey |

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Multi-layer Models for Moving Contact Problems of Graded Materials and Multiferroics, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2024

Postgraduate, Oblique Surface Cracking and Crack Closure in an Orthotropic Medium under Contact Loading, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2018

Academic Titles / Tasks

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| Research Assistant 2019 - Continues | Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering |
| Research Assistant 2015 - 2017 | Baskent University, Faculty Of Engineering, Department Of Mechanical Engineering |

Supported Projects

1. DAĞ S., TUBITAK Project, Çok Katmanlı Ve Fonksiyonel Derecelendirilmiş Manyeto-Elektro-Elastik Kaplamaların Hareketli Temas Modellemesi, 2022 - 2023

Scholarships

- 2250 Lisansüstü Bursları Performans Programı, TUBITAK, 2022 - Continues
2211-A Genel Yurt İçi Doktora Burs Programı, TUBITAK, 2021 - 2024
1002-A Proje Bursiyeri, TUBITAK, 2023 - 2023
2224-A Yurt Dışı Bilimsel Etkinliklere Katılımı Destekleme Programı, TUBITAK, 2022 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

1. **MAGNETOELECTROELASTIC RESPONSE OF FUNCTIONALLY GRADED MULTIFERROIC COATINGS UNDER MOVING HERTZIAN CONTACT**
TOKTAŞ S. E., DAĞ S.
Journal of Mechanics of Materials and Structures, vol.19, no.3, pp.343-371, 2024 (SCI-Expanded)
2. **Mechanics of moving contacts involving functionally graded multiferroics**
TOKTAŞ S. E., DAĞ S.
Archives of Mechanics, vol.75, no.4, pp.431-468, 2023 (SCI-Expanded)
3. **Multi-layer model for moving contact problems of functionally graded coatings with general variations in physical properties**
TOKTAŞ S. E., DAĞ S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.236, no.10, pp.1967-1980, 2022 (SCI-Expanded)
4. **Stresses in multi-layer coatings in Hertzian contact with a moving circular punch**
TOKTAŞ S. E., DAĞ S.
Tribology International, vol.171, 2022 (SCI-Expanded)
5. **Oblique surface cracking and crack closure in an orthotropic medium under contact loading**
TOKTAŞ S. E., DAĞ S.
THEORETICAL AND APPLIED FRACTURE MECHANICS, vol.109, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

1. **Fonksiyonel Derecelendirilmiş Multiferroik Kaplama ile Yarı-Dairesel Zımba Arasında Hareketli Temas Problemi**
Toktaş S. E., Dağ S.
23. Ulusal Mekanik Kongresi, Konya, Turkey, 4 - 07 September 2023, pp.8-22
2. **On the moving contact problem between an arbitrarily graded coating and a semi-circular punch**
Toktaş S. E., Dağ S.
Contact Mechanics International Symposium, Lausanne, Switzerland, 23 - 25 May 2022, pp.19

Courses

Computer Aided Engineering Graphics, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Metrics

Publication: 7

Citation (WoS): 8

Citation (Scopus): 18

H-Index (WoS): 2

H-Index (Scopus): 2

Congress and Symposium Activities

23. Ulusal Mekanik Kongresi, Attendee, Konya, Turkey, 2023

Contact Mechanics International Symposium 2022, Attendee, Lausanne, Switzerland, 2022

Research Areas

Mechanical

Non Academic Experience

Other Public Institution, Türk Silahlı Kuvvetleri-Kara Kuvvetleri Komutanlığı, Hakkari Dağ ve Komando Tugay Komutanlığı-İstihkam Şube Müdürlüğü