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International Researcher IDs

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Education Information

Doctorate, Recep Tayyip Erdogan University, Lisansüstü Eğitim Enstitüsü, Turkey 2023 - Continues

Postgraduate, Recep Tayyip Erdogan University, Lisansüstü Eğitim Enstitüsü, Turkey 2022 - 2023

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2020 - 2022

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2015 - 2019

Academic Titles / Tasks

Research Assistant, Recep Tayyip Erdogan University, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analysis of the mechano-bactericidal effects of nanopatterned surfaces on implant-derived bacteria using the FEM**
Uzun Yaylacı E., Özdemir M. E., Güvercin Y., Öztürk Ş., Yaylacı M.
ADVANCES IN NANO RESEARCH, vol.15, pp.636-644, 2023 (SCI-Expanded)
- II. **Comparative study by the finite element method of three activities of a wearer of total hip prosthesis during the postoperative period**
Moulgada A., Zagane M. E. S., Yaylacı M., Djafar ., Abderahmen S., Öztürk Ş., Uzun Yaylacı E.
STRUCTURAL ENGINEERING AND MECHANICS, vol.87, no.6, pp.575-583, 2023 (SCI-Expanded)
- III. **Analyzing of continuous and discontinuous contact problems of a functionally graded layer: Theory of elasticity and finite element method**
Yaylacı M., Öner E., Adıyaman G., Öztürk Ş., Uzun Yaylacı E., Birinci A.
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.6, no.7, pp.540-551, 2023 (SCI-Expanded)
- IV. **Analyzing the mechano-bactericidal effect of nano-patterned surfaces by finite element method and verification with artificial neural networks**
Uzun Yaylacı E., Yaylacı M., Özdemir M. E., Terzi M., Öztürk Ş.
ADVANCES IN NANO RESEARCH, vol.15, no.2, pp.165-174, 2023 (SCI-Expanded)
- V. **Vibration and buckling analyses of FGM beam with edge crack: Finite element and multilayer perceptron methods**
Yaylacı M., Uzun Yaylacı E., Özdemir M. E., Öztürk Ş., Sesli H.

STEEL AND COMPOSITE STRUCTURES, vol.46, no.4, pp.565-575, 2023 (SCI-Expanded)

VI. Implementation of finite element and artificial neural network methods to analyze the contact problem of a functionally graded layer containing crack

Yaylacı M., Uzun Yaylacı E., Özdemir M. E., Ay S., Öztürk Ş.

STEEL AND COMPOSITE STRUCTURES, vol.45, no.4, pp.501-511, 2022 (SCI-Expanded)

Supported Projects

Uzun Yaylacı E., Yaylacı M., Çağlak E., Öztürk Ş., Kara A., TUBITAK Project, Biyobeton Uygulamalarında Kullanılmak Üzere Deniz Suyundan Bakteri İzolasyonu, Tanımlanması ve Aktif İzolatların Beton Üzerindeki Fiziksel Etkilerinin İncelenmesi, 2023 - 2024

Metrics

Publication: 6