Lect. DİDEM ÇAKIR

Personal Information

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Education

Doctorate, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2021 - Continues
Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 2015 - 2018
Undergraduate, Kirikkale University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 2006 - 2010

Dissertations

Postgraduate, Fonksiyonel kademelendirilmiş plakalarda malzeme kompozisyonunun yapay sinir ağı ve genetik programlama ile belirlenmesi, Erciyes University, Fen Bilimleri Enstitüsü, 2018

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Neural Networks, Mechanical Engineering, Mechanical

Academic Positions

Lecturer, Karadeniz Technical University, Araklı Ali Cevat Özyurt Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2024 - Continues
Lecturer, Cappadocia University, Kapadokya Meslek Yüksekokulu, Bilgisayar Programcılığı, 2020 - 2024

Academic and Administrative Experience

Head of Department, Cappadocia University, Kapadokya Meslek Yükesekokulu, Bilişim Teknolojileri Bölümü, 2022 - 2023

Journal articles indexed in SCI, SSCI, and AHCI

I. **Stress Analysis of 2D-FG Rectangular Plates with Multi-Gene Genetic Programming**
DEMİRBAŞ M. D., Cakir D., ÖZTÜRK C., ARSLAN S.
APPLIED SCIENCES-BASEL, vol.12, no.16, 2022 (SCI-Expanded)

Articles Published in Other Journals

I. **Evaluation of the Performance of ANN Algorithms with the Bidirectional Functionally Graded Circular Plate Problem**
DEMİRBAŞ M. D., ÇAKIR D.
International Scientific and Vocational Studies Journal, 2022 (Peer-Reviewed Journal)

II. **İKİ BOYUTLU FONKSİYONEL KADEMELENDİRİLMİŞ PLAKALARIN YAPAY SİNİR AĞI ÖĞRENME ALGORİTMALARI İLE ISIL GERİLME MODELLEMESİ**
DEMİRBAŞ M. D., ÇAKIR D.
ENGINEERING SCIENCES, vol.9, no.2, pp.1065-1076, 2020 (Peer-Reviewed Journal)

III. **Modeling of 2D Functionally Graded Circular Plates with Artificial Neural Network**
ÇAKIR D., DEMİRBAŞ M. D.
International Scientific and Vocational Studies Journal, vol.4, pp.97-110, 2020 (Peer-Reviewed Journal)

IV. **Thermal Stress Analysis in Two-Directional Functionally Graded Plates with Artificial Neural Network Training Algorithms**
DEMİRBAŞ M. D., ÇAKIR D.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.11, no.2, pp.442-450, 2019 (Peer-Reviewed Journal)

V. **Equivalent stress analysis of functionally graded rectangular plates by genetic programming**
DEMİRBAŞ M. D., ÇAKIR D., ARSLAN S., ÖZTÜRK C.
International Scientific and Vocational Studies Journal, vol.2, no.1, pp.67-80, 2018 (Peer-Reviewed Journal)

VI. **Thermal stress control in functionally graded plates with artificial neural network**
DEMİRBAŞ M. D., ÇAKIR D.
INTERNATIONAL SCIENTIFIC AND VOCATIONAL JOURNAL (ISVOS JOURNAL), vol.2, no.1, pp.39-55, 2018 (Peer-Reviewed Journal)

Metrics

Publication: 7
Citation (WoS): 2
Citation (Scopus): 2
H-Index (WoS): 1
H-Index (Scopus): 1