



SÜLEYMAN DEMİREL UNIVERSITY

EDITORS-IN-CHIEF


Professor Mehmet AVCAR, PhD

 0000-0002-0689-0601

Suleyman Demirel University
Department of Civil Engineering
Isparta, Turkey

VICE EDITOR-IN-CHIEF

Assistant Professor Yasemin ŞİMŞEK TÜRKER, PhD

 0000-0002-3080-0215

Suleyman Demirel University
Department of Civil Engineering
Isparta, Turkey

EDITORS

Professor Subrata Kumar PANDA, PhD

Central University of Rajasthan,
Ajmer, Rajasthan, India

Professor Nicholas FANTUZZI, PhD

University of Bologna,
Bologna, Italy

Professor Reza KOLAHCHI, PhD

Islamic Azad University,
Jasb, Iran

Associate Professor Serap ÜNAL

Suleyman Demirel University
Isparta, Turkey

TECHNICAL EDITORS

Research Assistant Burak İKİNCİ

(Layout Editor)

Suleyman Demirel University
Isparta, Turkey

Elif ŞİMŞEK YEŞİL

(Layout Editor)

Suleyman Demirel University
Isparta, Turkey



SÜLEYMAN DEMİREL UNIVERSITY

CONTENTS

Research Articles

Finite element-based buckling analysis of bio-inspired laminated composite plates

Aman Garg1

Manufacturing methods of functionally graded materials: a comprehensive review

Burak İkinci6

Pyrite effect: correlation between compressive strength and durability properties for concrete samples

Zafer Kurt, İlker Ustabas, Muhammet Emin Aydın, Ceren İlkur Ustabas21

Influence of corner radius on the axial compressive behavior of FRP-confined rectangular reinforced concrete columns

Ali Juma Noorzad, Hakan Dilmaç26

Comparison of offshore fish cage flotation systems designs using finite element method

Mehmet Emin Özdemir, Şevval Öztürk, Sevil Ay, İrem Mirzaloğlu, Merve Terzi, Murat Yaylacı40

