International Journal of Research and Development

https://dergipark.org.tr/en/pub/umagd

E-ISSN: 1308-5514

Volume 17, Issue 2, July 2025

_____i

L.

CONTENTS	Page
Climate Change and Its Effects on Concrete Pouring Activity: The Case of Kırıkkale Sertaç ORUÇ, Selahattin GÜZELKÜÇÜK, Oğuzhan ŞAHİN	257-271
A Window-Based Approach for PRI Type Recognition in Streaming Data Şefîka ÇAĞLAN, Ali DEĞİRMENCİ, İlyas ÇANKAYA	272-281
Development and Evaluation of a Solar-Powered Cooling System Integrated with Energy Storage Bachaier KHİR, İbrahim UZUN, Bahadır GEMİCİOĞLU	282-298
Localization in Wireless Sensor Networks Using Metaheuristic Algorithms Buğra HATİPOĞLU, Tolga EREN, Murat LÜY	299-308
Effect of Optimum Nano Material Ratio on Early Age Compressive Strength in Fly Ash Added Cement Mortars Murat BİNGÖL, Osman Şimşek	309-319
Analysis of the Challenges Encountered in Industry 4.0 Integration in the Apparel Industry with Fuzzy AHP Şeyda GÜR	320-329
Evaluation of Diesel-Hazelnut Oil Biodiesel-Butanol Triple Fuel Blends as a Potential Alternative Fuel in an Unmodified Diesel Engine Ümit YÜCE, Melih Can SAYDAM, Batuhan ALTUNDAĞ, Zeki YILBAŞI, Hayri YAMAN	330-348
A Novel Framework for Sustainable Hybrid Energy Distribution Network Using Distributed Decision Protocols Nihan ÇAĞLAYAN, İbrahim YILMAZ, Babek ERDEBİLLİ	349-369

Effect of phase change material on mechanical and thermal properties of cementitious composites Erdinç Halis ALAKARA, İlhami DEMİR, Cemil ALKAN	370-382
Delay Analysis of IEEE 802.1BA Audio Video Bridging Networks: Recent Advances and Evaluation of Realistic Industrial Communication Use Cases Selçuk CEVHER, Mustafa TOPSAKAL, Ömer Kağan DEMİR	383-402
Effect of Circumferential Groove Casing Treatment on Surge Margin for Axial Flow Compressor İbrahim GÜNAYDIN, Yahya DOĞU	403-415
Investigation of the Mechanical and Wear Behavior of 1.0411 Steel Subjected to Gas Carburizing and Nitriding Processes Bünyamin YAMANEL, Osman BİCAN	416-431
Effects of Rightmost Lane Avoidance Phenomenon on Road Performance and Safety: A Case Study in Türkiye Erdem DOĞAN	432-448
Parking Analysis for Hospitals: Atatürk University Research Hospital Example Edanur DEMİRTAŞ, Ahmet ATALAY	449-464
Proactive Spectrum Handoff Approach for Information Security in Cognitive Radio Networks Hüseyin DOĞAN, Muhammed Enes BAYRAKDAR	465-471
Investigation of The Effectiveness of Blasting Patterns in Tunnel Excavations: The Case of The Sarıyer - Kilyos Tunnel Meltem Doğan KARACA, Suleyman Onur KARACA, Osman Murat SARSILMAZ	472-497
Investigation of effects Different Particle Size Quartz and Feldspar on Body Physical Emine Zülal ÇAKAR, Atamer AKBAY, Orçun ZIRTIL, İrem ALTINOK	498-508