

2023 9th International Engineering Conference on Sustainable Technology and Development (IEC 2023)

**Erbil, Iraq
21-23 February 2023**



**IEEE Catalog Number: CFP23U51-POD
ISBN: 979-8-3503-3507-1**

**Copyright © 2023 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP23U51-POD
ISBN (Print-On-Demand):	979-8-3503-3507-1
ISBN (Online):	979-8-3503-3506-4
ISSN:	2832-8302

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

Table of Contents

No.	The Title	Pages
1	Improved Time-Saving Face Detection in Video	1-6
2	Machine Learning Techniques Evaluation with SMOTE on IoT-23 Dataset	7-13
3	An Automated Recognition System for Newly Issued License Plate in Kurdistan Region of Iraq	14-19
4	A Review of Different Content-Based Phishing Email Detection Methods	20-25
5	Effective Digital Image Watermark Detection Technique based on Tamura Texture Features	26-31
6	Impacts of static magnetic fields exposure on erythrocytes counts and indices: in-vivo study	32-37
7	Medical image categorization combining image segmentation and machine learning	38-44
8	Design and analysis of Proposed Smartphone-based Distributed Parallel Processing System	45-50
9	Adopting Metaverse in eLearning: Challenges & Opportunities	51-54
10	A Deep Learning Approach and recurrent Neural network towards Clickbait Detection	55-61
11	Evaluation of the formulas of bed load transport rate prediction of the Euphrates River in the upstream Ramadi Barrage	62-67
12	Fresh and Mechanical Properties of Concrete with Replaced Coarse Aggregate by Electrical-waste	N/A
13	The Effect of Minimum Actuation Limit in Shape Control of a Single-Layer Dome Frame	N/A
14	Reducing the Seismic Failure Potential of Reinforced Concrete Frames	N/A
15	Nonlinear Prestress of Space Cable Net Structures	N/A
16	Numerical Investigations of Effective Parameters on Multi-story Building Having Inclined Supporting Foundations	N/A
17	Statical Nonlinear Analysis of Spherical Assemblies Utilizing Pade Approximation	N/A
18	Vertical Accessibility for Wheelchair Users at Historic Buildings	N/A
19	Dynamic Response of Multistory Reinforced Concrete Buildings having Different Types of Isolators: A Parametric Study	N/A

9th International Engineering Conference on Sustainable Technology and Development (9th IEC-2023), Tishk and Erbil Polytechnic University, Erbil-Iraq

No.	The Title	Pages
20	Experimetal Study of Hollow EPS Blocks Incorporation on Concrete Bearing Walls Under Axial Loading	N/A
21	Cross-Functional Collaboration and Project Capital Efficiency: Mediating Role of Strategic Alignment	N/A
22	Seismic Performance Assessment of Steel Structures Considering Soil Effects	N/A
23	Effect of Pumice Powder and Silica Fume on Flowability and Compressive Strength of Slag-Based Geopolymer	133-137
24	Energy-Consumption by Network Layer Attacks against Wireless Sensor Network	138-143
25	Energy Saving E-LEACH Protocol for Wireless Sensor Network	144-149
26	Sixth-Order Runge-Kutta Method Based on the Method of Line for Solving Time-Partial Differential Equations	N/A
27	Coupled Common and Coincidence Fixed Point Results in Complete and Regular Partially Ordered D^* -Metric Spaces	N/A
28	The Role of a Green Additive on Rheological Properties of Some Oil Industry Fluid Systems	161-166
29	A Dual-Coupled Cantilever-Swinging Piezoelectric Energy Harvesting Model	167-171
30	Generating Function of Chromatic Polynomials and their Properties	N/A
31	Learning Management System (LMS) Performance Analysis and Evaluation for Some Kurdistan Region Universities	177 -182
32	Implementation of Pressure Maintenance for a Reservoir in KH Oil Field	183-188
33	Laboratory Evaluation of PE, PP, and SBS Polymers as Bitumen modifiers	N/A
34	Experimental investigation of DNAPL removal using air sparging through Image Analysis	196-199
35	Parametric Study of Geometrical and hydraulic Effects on Frictional and Shear Strengths in Earth Dam by Using Geostudio Software	N/A
36	Exploring the impact of Data Mining techniques in healthcare and medical data: A Systematic Literature Review	206-211
37	Author-Index	