ADWEN HOUSE PUBLISHING LIMITED

Bramford House 23 Westfield Park, Bristol, United Kingdom BS6 6LT

Websites:

http://www.wjimt.org/

Emails:

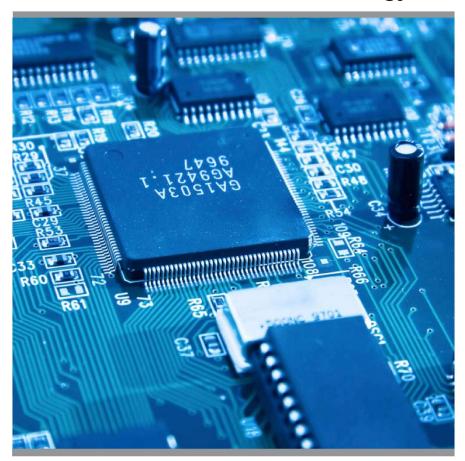
editorial@wjimt.org

Cover design: Ravindra Kumar Sharma Photograph: Vikas Kumar Goel



World Journal of Innovation and Modern Technology (WJIMT)

World Journal of Innovation and Modern Technology





About us

Since 2018, as an international journal published on the web, ADWEN HOUSE PUBLISHING LIMITED is dedicated to the dissemination of fundamental knowledge in all areas of science research.

The main purpose of the World Journal of Innovation and Modern Technology (WJIMT, ISSN: 2682-5910) is to enhance our knowledge spreading in the world under the free opinion publishing principle.

It publishes full-length papers (original contributions), reviews, rapid communications, and especially it publishes any debate and opinion in all the fields of Engineering and Natural Science Research.

The World Journal of Innovation and Modern Technology (WJIMT) aims to establish itself as a platform for exchanging ideas in new emerging trends that needs more focus and exposure and is always committed to publish articles that will strengthen the knowledge of upcoming Researchers and Scientists.

This journal is a high-standard and high-level peer-reviewed academic journal. The editors encourage contribution of articles with theoretical and practical related to education.

Plagiarism is strictly prohibited in this journal.

Copyright

World Journal of Innovation and Modern Technology (WJIMT) uses Creative Commons signature- non-commercial use 4.0 international (CC BY-NC 4.0) copyright. Readers have the right to Any media shall reproduce and distribute the articles of this magazine in any form. It can also be modified, converted or created on the basis of articles in this journal. Sharing and using this magazine.

When writing articles, users must indicate the author and origin of the original text and mark the revisions made to the articles in this journal. On the Final Right of Interpretation of Copyright of Articles in this Journal belongs to ADWEN HOUSE PUBLISHING LIMITED.

World Journal of Innovation and Modern Technology (WJIMT)

EDITOR-IN-CHIEF

Anthony Goerzen California State University, USA

HONORARY EDITORIAL BOARD

Prof. P. Sreeramana Aithal Srinivas Institute of Management Studies,

Mangalore, India

Dr. Andreas Psychogios Associate Professor, Informatics Engineering

Department, Petra Christian University, Indonesia

EDITORIAL BOARD

Prof. Naresh Grover Associate Professor, Informatics Engineering

Department, Petra Christian University,

Indonesia

Prof., G. Venkateswarlu FDepartment of Mechanical Engineering, Sree

Chaitanya College of Engineering, Karimnagar,

India

Dr. Nandini M Naik Associate Professor, Chemical Engineering

Department, KLE DR. M.S.Shesagiri College of Engineering and Technology, Belgaum,

Karnataka, India

Dr. Rajkumar Yadav Computer Science and Engineering

Department University Institute of Engineering & Technology (M.D. University

Rohtak, Haryana) India

Paul K Phillips Advanced Engineering Centre, University of

Central Florida, Orlando, FL 32827, USA

K. Delbert Turner
University of California, Davis, USA
Kristopher L. Mitchell
University of California, Davis, USA
Kenigoys Willsomilen
University of California, Davis, USA
Himonti Yamazaki
Tokushima Bunri University, Japan

PUBLISHER

ADWEN HOUSE PUBLISHING LIMITED Bramford House 23 Westfield Park, Bristol, United Kingdom BS6 6LT

Email: editorial@wjimt.org

TABLE OF CONTENTS

Role Transformation and Career Development of Teachers in the Era of Large Language Models	
Letong Zhang1-	4
Research on Bus Passenger Flow Dynamic Prediction and Route Optimization Strategy Based of Spatiotemporal Clustering and ARIMA Model	n
Rongyu Ye5-1	0
Application of Artificial Intelligence Technology in Electrical Automation Design	
Hongying Wang	3
Computer Software Development and Database Management Linlin Wu	8
Discussion on Design of Ventilation and Smoke Prevention and Exhaust in Hvac Yanting Zhan	2
A Study on the Use of Online Museum Exhibitions Incorporating VR Content Through IPA Gao Zhan, Jiang Rui	6
Research and Design on Electrical Principles and Application Prospects of Flying Cars Junjie Jiang, Jiang Rui	2
Research on an Adaptive Curriculum Learning Method for Imbalanced Tabular Data Classification	
Wing-Yee Lam, Ka-Yan Cheung, Tsz-Hin Lau, Man-Kit Leung, Ho-Lam Chan	8
On Data Storage Technology Based on Big Data Shanshan Rao	.3
Analysis on Network Information Security Guarantee System Zhenyu Wang	8
Application of Key Technologies of Cloud Computing Energy Saving in IT Support System	
Bochao Zhang, Hongyu He, Hongtao Wang, Xuhui Zhang, Jie Cui	4
On the Application of Data Mining Technology in Today's Era Zhengde Bao	1
Research on the Conflict and Adjustment between Digital Copyright Protection and Information Sharing i the Era of Artificial Intelligence	n
Yujie Zhu62-6	9
Generation and Confirmation: AIGC's Copyright Attribution Dilemma and Path to Breakthrough in New Media Content Production	
Chuanji Zuo70-7	7
Machine Learning Algorithm-Based Dating Predictions Yuxuan Wang, Ke Wang, Chenxi Li	3
Research on Computer Network Information Security and Protection Strategies	
Zhiyi Hu	7
Practice of Multi Face Recognition Based on Convolutional Neural Network Tingting Zhu, Li Zhou	3
Information Security Processing Technology Based on Computer Big Data	
DOI: https://doi.org/10.53469/wjimt.2025.08(04).18	
Jian Wu94-9	9
Development of Installation Equipment for Electric Locomotive Axle Head Covers	
Liang Chang	4

World Journal of Innovation and Modern Technology Vol. 8, Issue. 4, April 2025

TABLE OF CONTENTS

The E	affect of Ni/Co Ra	tio on the I	Morpholog	y and OER Perfo	rmance o	of NiCo-LDH/NF		
Zl	nicong Yuan						105	-108
AI-Er	nabled Integration	n of Sports	and Medic	cine for Spinal He	alth Maı	nagement in College	Students	
M	linghua Sun, Fen	g Miao			•••••		109	-114
_	Representation ectives	Learning	Enabling	Cross-Modality	Person	Re-identification:	Explorations	and
Li	Fan						115	-121