

Acta Informatica Malaysia (AIM)

HEAD OFFICE ADDRESS:

Zibeline International Publishing Sdn Bhd

C2-2-3, Block 2, CBD Perdana 3, Persiaran Cyberpoint Timur, Cyber 12, 63000 Cyberjaya, Selangor.

Selaligui.

Tel: +603-86879842

EDITORIAL STAFF:

Publishing Manager

Tasbia Ab Rajul

Publishing Editor

Nurul Afiqah Ab Manan

Publishing Editor

Rozalaidah Abdul Karim

Technical Editor

Nuraliah Natasha Amirrulhisam

Technical Editor

Muhammad Aqil Zikry Mohd Nizam

Frequency:

Bi-annual (2 issue per year)

ISSN: 2521-0874 (Print) ISSN: 2521-0505 (Online)

Price:

Single issue: 50 MYR Price for abroad Single issue: 25 USD

Web:

www.actainformaticamalaysia.com

E-mail:

info@zibelinepub.com

Acta Informatica Malaysia (AIM)

Contents

VOLUME 6, ISSUE 1, 2022		
No	Editorial	Pages
1	SECURING DATA NETWORK FOR GROWING BUSINESS VPN ARCHITECTURES CELLULAR NETWORK CONNECTIVITY	01-06
2	THE DEVELOPMENT OF A CLOUD-BASED UNIVERSITY RESEARCH REPOSITORY SOFTWARE USING A CONFIGURABLE SUBSCRIPTION MODEL	07-12
3	STATUS AND PROSPECTS OF ICT AMONG NEPALESE SMALLHOLDER FARMERS	13-16
4	AN EFFICIENT AND SECURED GRAPHICAL AUTHENTICATION SYSTEM	17-21
5	ENHANCING THE SECURITY OF AN ORGANIZATION FROM SHADOW IOT DEVICES USING BLOW-FISH ENCRYPTION STANDARD	22-24
6	AN EMPIRICAL INVESTIGATION INTO THE EXTENT UNIVERSITY STUDENTS UTILISE MOBILE EDUCATIONAL APPLICATIONS FOR LEARNING	25-33
7	CONVERGENCE OF MACHINE LEARNING AND STATISTICS TO PREDICT COVID-19 EVOLUTION	34-38

Acta Informatica Malaysia (AIM)

Editorial

Acta Informatica Malaysia (AIM) is an international journal of high repute covering topics of interest to all those researching and working in the sciences of information and knowledge management. The Editors welcome material on any aspect of information science theory, policy, application or practice that will advance thinking in the field. Information Science is a broad based discipline which has a potential impact in almost every sphere of human activity in the emerging information age. There have been significant advances in information technology and information processing techniques over recent years and the pace of innovation shows no sign of slowing. However, the application of these technologies is often sub-optimal because theoretical understanding lags behind. The Journal seeks to achieve a better understanding of the principles that underpin the effective creation, organization, storage, communication and utilization of information and knowledge resources. It seeks to understand how policy and practice in the area can be built on sound theoretical or heuristic foundations to achieve a greater impact on the world economy. Articles focusing on applied information science topics should seek to highlight the underlying theoretical principles and show how their application has been novel or lead to unusual or exemplary results

Scientific Board

Editorial Team

Editor in Chief

Associate Professor Dr. Shahreen Kasim Head of Centre, Soft Computing and Data Mining (SMC), Faculty of Computer Science & Information Technology, University Tun Hussein Onn Malaysia

Associate Editors

Dr Azizul Azhar Ramli Faculty of Computer Science & Information Technology University Tun Hussein Onn Malaysia

Editorial Board

Professor Hassan Vatandoost
Department of Entomology and Vector Control,
School of Public Health and National Institute of
Health Research, Institute for Environmental
Research, Teheran University of Medical Sciences,
Teheran, Iran.

Mohammad Mobarak Hossain International Rice Research Institute | IRRI · Rice Breeding Innovation PhD in Agronomy on-farm Rice Breeding Trials, Conservation Agriculture, Soil Weed Seed Bank Analysis Zarina Bt. Zainuddin

Department of Plant Science, Kulliyyah of Science, International Islamic University of Malaysia, Bandar Indera Mahkota, 25200, Kuantan, Pahang, Malaysia

Dr. Kaywood Elijah Leizou Department of Chemical Sciences, Niger Delta University, Nigeria Analytical/Environmental Chemistry

Md. Shohel Rana Palleb M.S in Agricultural Extension Education, Bangladesh Agricultural University, Mymensingh-2202

Md. Sohanur Rahman Scientific Officer, Department of Entomology, Bangladesh Jute Research Institute, Dhaka, Ministry of Agriculture, Bangladesh.