



**Informing Science:
the International Journal of
an Emerging Transdiscipline**

*An Official Publication
of the Informing Science Institute
InformingScience.org*

Inform.nu

Volume 28, 2025

Senior Editor-in-Chief: Eli Cohen, Informing Science Institute (USA)

Editor-in-Chief: Francesco Tommasi, University of Verona (Italy)

Publisher: Elizabeth Boyd, Informing Science Institute (USA)

Editors:

Grandon Gill, University of South Florida (USA)

Robert Hammond, University of South Florida (USA)

Gaetano R Lotrecchiano, George Washington University (USA)

Mathews Nkhoma, RMIT University (Australia)

Associate Editors:

Luca Menghini, University of Padova (Italy)

The purpose of the journal **Informing Science** is to provide a better understanding of fields that inform their clientele. These fields include information systems, library science, journalism in all its forms, and education. Even though these fields developed separately and are taught across campus, they are evolving into the new discipline of **Informing Science**.

Informing Science publishes articles that provide insight into how best to inform clients using information technology. Authors may use epistemologies from engineering, computer science, education, psychology, business, anthropology, and such. The ideal paper will serve to inform fellow researchers, perhaps from other fields, of contributions to this problem.

Informing Science is an academically peer-reviewed open-access journal. All submissions are blind refereed by three or more peers. Articles are published online on the web site **<http://inform.nu>**

The Informing Science journal is listed in Cabell's Directory of Publishing Opportunities in Educational Curriculum & Methods, Cabell's Directory of Publishing Opportunities in Educational Technology & Library Science, Cabell's Directory of Publishing Opportunities in Management, EBSCO, Information Science Abstracts, INSPEC, Directory of Scholarly Electronic Journals and Academic Discussion Lists, Ulrich's Periodicals Directory.

(CC BY-NC 4.0) The articles in this journal are licensed under a [Creative Commons Attribution-NonCommercial 4.0 International License](https://creativecommons.org/licenses/by-nc/4.0/). When you copy and redistribute this paper in full or in part, you need to provide proper attribution to it to ensure that others can later locate this work (and to ensure that others do not accuse you of plagiarism). You may (and we encourage you to) adapt, remix, transform, and build upon the material for any non-commercial purposes. This license does not permit you to use this material for commercial purposes.

ISSN: online 1521-4672

**Published by the Informing Science Institute
131 Brookhill Ct., Santa Rosa, California USA
phone: +1-707-537-2211
<http://informingscience.org/>**

Volume 28, 2025 – Table of Contents

(as of December 15, 2025)

ARTICLE #

Amusement as Key Motivation: Informing Client Needs in CMC Technologies for Enhanced Collaboration Junghyun Nam	001
Special Series on Informing Clients and Security Issues in the Medical Domain Guest Editors: Dr. Satya Prakash Yadav, Prof. Dr. Fadi Al-Turjman, Prof. (Dr.) Victor Hugo C. de Albuquerque, Mr. Rohit Sahu	002
Optimization of Healthcare Service Delivery Using Deep Genetic Algorithm Girimurugan B, Ashvin T.K, Hemalatha T, Riyaz Hussain Sk, Sannidhan M S, Umaya Salma Shajahan	003
Predictive Modeling of Lung Cancer Disease Outcomes Using Ensemble Learning Praveenadevi D. Sreekala S.P, Poonkuzhali L, V.S.S.P. Raju Gottumukkala, Jaazieliah R, Saravanan M	004
Reinforcement Learning for Adaptive Healthcare Decision Support Systems Sreekala S. P, Mudit Saxena, Revathy S, Rajapriya M, Shanthi N. S, Saravanakumar S.	005
Optimizing Healthcare Resource Allocation Using Residual Convolutional Neural Networks Buvaneswari R.P, Sathis Kumar M, Ravi Kumar K, Sandeep Kumar M, Rajeshwari S, Karunambiga K	006
Adversarial Attacks on Healthcare Deep Learning Model: Vulnerabilities and Defenses Mekala A, Shahnaz Fatim, Subba Rao BV, Rajendra Prasad J, Banupriya P.G, Venkata Ramana K	007
Bayesian Optimization for Hyperparameter Tuning in Healthcare for Diabetes Prediction Annapantula Sudhakar, Sujatha S, Sathiya M., Sivaramakrishnan A., Balambigai Subramanian, Venkata Ramana K	008
Optimizing Healthcare Service Delivery Using Improved Fuzzy Logic Algorithm Sarasu R, Sunil Kumar, Thomas M, John Philip Bhimavarapu, Shyamala L, Rolly Gupta	009
Temporal Graph Convolutional Networks for Predicting Disease Outbreaks in Public Health Surveillance Denslin Brabin D.R, Shaik Mohammad Rafee, Pratheeksha Hegde N, Agitha W, Saravanan M, Subbulakshmi R	010

<u>Differential Genetic Algorithm for Auto-Overlay of the Skull and Face and Mandible Articulation</u>	
Vishal Gangadhar Puranik, Vasudhevan V, Sunil Kumar, Kalpana C, Amutha J, Ramesh Babu P	011
<u>Healthcare Biclustering of Predictive Gene Expression Using LSTM Based Support Vector Machine</u>	
Thulasi Bikku, Joy Elvine Martis, Sunil Kumar M, Sudha S, Iyappan P, Natarajan C	012
<u>Central Line Associated Bloodstream Infection Prediction Using Deep Attention Nets in the Healthcare Field</u>	
Sushama C, Shaik Mohammad Rafee, Senthil Kumar A, Srilakshmi A, Subbulakshmi R, Balambigai Subramanian	013
<u>Enhancing Healthcare Industrial Applications With LSTM-Based Predictive Analytics</u>	
Sushama C, Shaik Mohammad Rafee, Jaimala Jha, Sujatha S, Jagadeesan Srinivasan, Mohana Krishna I	014
<u>Mapping the Landscape of Neuromarketing: A Bibliometric Analysis</u>	
Mredu Goyal, Mazharunnisa Md, Sunil Kumar, Kala I, Gamachu Fufa, Archana Devi S	015
<u>Transfer Learning Techniques and Approaches for Predictive Modeling of Disease Outcomes</u>	
Mahalaxmi S.B.K. U, Kala I, Lalit Kumar Sagar, Thomas N, Ashish Kumar Kaushal, Nismon Rio Robert	016
<u>Deep Learning Approach for Thyroid Medical Image Analysis and Prediction</u>	
Shaik Mohammad Rafee, Sreelatha P, Antonios Kalampakas, Jayaprakash M, Celine Kavida A, Yamini S	017
<u>Ensemble Evolutionary Algorithm for Feature Selection and Classification in Healthcare Data Mining</u>	
Sathyasundari S, Saraswathi C, Arulini K, Rolly Gupta, Pradeepa K, Girimurugan B	018
<u>Electronic Information Management Practices of Postgraduate LIS Students in Nigeria</u>	
Yemisi Tomilola Babalola, Tolulope Elizabeth Adenekan	019
<u>Examining Psychological Mechanisms Underlying Synergistic Communication Effects: The Case of Online Reviews and Display Advertising</u>	
Rishi Dwesar, Ankita Sharma, Megha Tyagi	020
<u>The Influence of E-Recruitment on the Intention of Gen Z to Apply: The Mediating Role of Employer Branding</u>	
Ika Anggrainy Wibowo, Alex Winarno, Mahendra Fakhri	021
<u>Impacts of a Public Health Crisis on Health-Centered Online Social Networks</u>	
Ron Keinan, Efraim Margalit, Dan Bouhnik	022

<u>The Transdisciplinary Informing Model: Bridging Epistemologies for Breakthrough Innovation</u>	
Paulina Larocca	023
<u>Using Machine Learning Algorithms to Cluster and Analyse Students' Acceptance of Mobile Learning Management Systems</u>	
Delali Kwasi Dake, Esther Gyimah	024
<u>Enhancing Successor Preparedness: Succession Strategies Impacting Organizational Survival through Successors' Self-Efficacy in Nigeria</u>	
Uzoma Heman Ononye, David Chucks Akan, Olufemi Olabode Olayemi	025
<u>Public Awareness and Perception of the Smart City Concept in Kuwait: Evaluating Its Six Key Dimensions</u>	
Basil Alzougool, Sumayya Banna	026
<u>Beyond Words, Beyond Conflicts: Narrative Inquiry into the Language Games of Asian Interreligious Dialogue</u>	
Alma S. Espartinez, Jesuraj Croos Adaikkalam	027
<u>An Exploration of the Nexus Between Administrative Performance and Role Conflict: A Critical Analysis of the Myth-Reality Dichotomy</u>	
David Kumije, Rosemary Nneoma Barnabas, Olumorin M. Olukemi, Emmanuel Adejoh, Hannah E. Agbaji	028
<u>Exploring the Interplay of Social Media's Negative Effects, Academic Pressure, and Procrastination Among College Students</u>	
Shan-Yan Huang, Yu-Chen Yeh, Yu-Yun Pan	029
<u>The Dark Side of Remote Work: A Critical Review and a Call to Action to Address Remote Work Inequalities</u>	
Ferdinando Toscano, Salvatore Zappalà, Simone Donati	030
<u>Impact of Artificial Intelligence in Indian News Media: Literature Review</u>	
Md. Afsar	031
<u>The Effects of Emotional Regulation on Job Satisfaction and Organizational Citizenship Behaviour</u>	
Dipi Talwar, Diksha Sharma	032
<u>The Intersection of Digital Citizenship and Political Activism: Examining Gen Z's Role in Online Boycotts</u>	
Mahendra Fakhri, Tatang Hartadi, Dian Kurnianingrum	033
<u>Does a Positive Attitude Toward Technology Enhance Job Search Self-Efficacy? The Role of Gamification</u>	
Morena Santoriello, Stefania Fantinelli, Michela Cortini, Veronica Giffi, Teresa Galanti ..	034