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Indian Journal of Science and Technology

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Title, Author(s), Bibliographic reference - About the metrics

Solving Fuzzy Time Delay Malthusian Growth model using Runge - Kutta Method Based on Centroidal Mean

R Gethsi Sharmila, S Devigayathri
2024, Indian Journal of Science and Technology - Article
Background/Objective: A mathematical formula for population growth is known as the Malthusian growth model. According to this theory, the pace of growth corresponds to the current population. In terms... [more](#)

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Cryptosystem Using the Generalized Petersen Graph $GP(2n + 1, 2)$

C Beaula, P Venugopal
2024, Indian Journal of Science and Technology - Article
Objective: In the digital era, data transfer in a network without external interference is one of the challenging problems. External interference can be minimized by creating a strong cryptosystem. Fo... [more](#)

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Design, Modelling, and FEA Analysis of Miniature Moving Magnet Compressor for Pulse Tube Cryocooler

Jitendra G Shinde, Maruti M Khot
2024, Indian Journal of Science and Technology - Article
Objectives: This research aims to design a miniature moving magnet compressor for pulse tube cryocoolers, suitable for applications in space exploration, medical devices, and precision scientific inst... [more](#)

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Improving Wireless Sensor Network Security: Multifaceted 5G Protections Enhanced by Restoring Algorithm

Anagandula Nirisha, Aenugu Rasagnya, Sahiti Urthi, Himanshu Jain
2024, Indian Journal of Science and Technology - Article
Objective: To develop the security Algorithm for 5G Wireless Sensor Networks (WSNs) to enhance security using the Restoring algorithm. Methods: Initially a security code is generated from the restorin... [more](#)

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Low Financing Trade Credit Inventory for High Deterioration under Time Dependent Holding Cost

Subhash Chandra Das
2024, Indian Journal of Science and Technology - Article
Objective: Rented house owners are take policy ensure their rent for a certain period for contract of rent. Due to pandemic situation, people have of less capital and are not possible to take high dec... [more](#)

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Tree Domination Number of Semi Total Point Graphs

R Revathi, P Vidhya
2024, Indian Journal of Science and Technology - Article
Objectives: The main aim of the research work is to study the concept of a tree domination number of semi-total point graphs. Method: A set D of a graph $G = (V, E)$ is a dominating set, if every vertex... [more](#)

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Hybrid Enhanced Intrusion Detection Frameworks for Cyber-Physical Systems via Optimal Features Selection

Ram Ji, Neerendra Kumar, Devanand Padha
2024, Indian Journal of Science and Technology - Article
Background/Objectives: Cyber-physical systems (CPSs) form the critical infrastructure for many nations like smart grids, home automation, smart cities, smart health care, smart automobiles, etc. These... [more](#)

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An Infinite Capacity Single Server Markovian Queueing System With Discouraged Arrivals Retention Of Reneged Customers and Controllable Arrival Rates With Feedback

A Bebbittovimalan, M Thiagarajan
2024, Indian Journal of Science and Technology - Article
Objectives: The purpose of this study is to (i) introduce an infinite capacity of interdependent queueing model and retention of reneged customers with feedback controllable arrival rates, (ii) comput... [more](#)

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Online Purchase Intention and E-Cart Abandonment among Small Town Consumers: Some Qualitative Insights

Preeti Thakur, Suneel Sankala
2024, Indian Journal of Science and Technology - Article
Objectives: The objective of study is to explore the factors/reasons/ for e cart abandonment that is typical to Indian small town consumers. Methods: Qualitative research has been carried out and semi... [more](#)

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The Role of High-Fidelity Simulation in Nursing Education in Saudi Arabia

Zeinab A Abusabeib, Noura A Almadni, Samira Ahmed Alsenany, Hala K Ibrahim
2024, Indian Journal of Science and Technology - Article
Background: Nursing education needs to prepare competent nurses to provide high-quality care to clients, as a nurse's role has expanded and requires more professional abilities and self-sufficien... [more](#)

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On Topological Indices of Fuzzy Random Graph

N Sarala, R Abirami
2024, Indian Journal of Science and Technology - Article
Objectives: Fuzzy random graphs model uncertain relationships between entities, where edges possess degrees of membership rather than binary connections. This study aims to discover how operations suc... [more](#)

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Isolate Domination Decomposition of Tensor Product of Cycle Related Graphs

S Nivetha, V Maheswari
2024, Indian Journal of Science and Technology - Article
Objectives: This study deals about tensor product of some cycle related graphs which admits an IDD. Methods: We have a decomposed a graph into parts in such a way that the isolate domination number of... [more](#)

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Phytochemical Study, Antioxidant Activity and GC-MS Analysis of Soyimida febrifuga A. Juss

Smita Sinalkar, Seema Kokitkar
2024, Indian Journal of Science and Technology - Article
Objectives: To determine antioxidant activity and identify bioactive compounds present in n-Hexane & Ethyl acetate extracts of stem bark of Soyimida febrifuga A. Juss. Methods: In the present study... [more](#)

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Improved Sparse Representation of Image from Inferred Angles of Steerable Wavelet

Jignesh Bhavsar, Amrutbhai Patel, Kalpesh Patel
2024, Indian Journal of Science and Technology - Article
Objectives: Presenting images with sparse coefficients has a wide variety of real-time applications in compressive sensing. However, sparse representations of images present challenges due hidden simi... [more](#)

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Toward an Efficient Hybrid Clustering and Classification Approach for Fake News Detection in Social Network

Wafa Alharthi, Mohammad Eid Alzahrani
2024, Indian Journal of Science and Technology - Article
Objectives: The spread of fake news on social media has become a pressing issue in recent times. Despite various organizations' efforts to address this problem, it continues to persist, necessita... [more](#)

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Issues of Improving Expense Tracking and Calculating Prime Cost in Agriculture

Abdugapur Karimovich Ibragimov, Tursunkulova Gulchirov, Bruno Antonio Pansera
2024, Indian Journal of Science and Technology - Article
Objectives : This article is devoted to the consideration of the issues of cost accounting and cost calculation in agriculture. In addition, the article highlights the issues of the correct distributi... [more](#)

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Comparative Study on Different Types of Energies

Sakunthala Srinivasan, Vimala Shanmugavel
2024, Indian Journal of Science and Technology - Article
Objectives : The absolute sum of the eigenvalues is the definition of the graph's energy. In addition to discussing their relationship, this study compares the energy of the Adjacency matrix, Lap... [more](#)

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Effectiveness of Community Forest Management as an Ecosystem-Based Adaptation Strategy in the Context of Nepal

Sushila Rijal, Sutinee Sinutok
2024, Indian Journal of Science and Technology - Article
Objectives: This study attempted to explore the effectiveness of community forest (CF) management as an ecosystem based adaptation (EbA) strategy in combating and adapting with the climate change impa... [more](#)

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Application of Improved Class of Weighted Averaging Operators in Intuitionistic Fuzzy Ann Guided MAGDM E-Commerce Problems

P John Robinson, P Wilson Arul Prakash
2024, Indian Journal of Science and Technology - Article
Objectives: To propose a novel and improvised Artificial Neural Network (ANN) technique to solve Multiple Attribute Group Decision Making (MAGDM) problems and an improved class of Aggregation operator... [more](#)

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Strength Evaluation of Clayey Sand Admixed with Wollostonite with A Special Reference To Construction of Geotextile Reinforced Subgrade

D Bharath Naik, R Srinivasa Kumar
2024, Indian Journal of Science and Technology - Article
Objectives: To enhance the performance of subgrade constructed using Clayey sand. Clayey sand is a commonly found inferior soil and it is made to be suitable for flexible pavement construction. This s... [more](#)

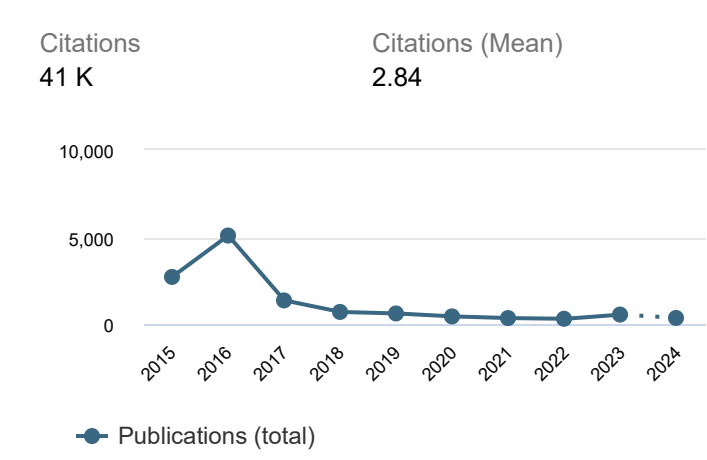
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ANALYTICAL VIEWS

RESEARCH CATEGORIES

40 Engineering	1,439
46 Information and Computing Sciences	1,166
35 Commerce, Management, Tourism and Services	467
32 Biomedical and Clinical Sciences	385
31 Biological Sciences	355

OVERVIEW



RESEARCHERS

Arumugam Umamakeswari SASTRA University, India	39
Yen-Yoo You Hansung University, South Korea	24
Kutti Padanyl Soman Amrita Vishwa Vidyapeetham University, India	23
Vaithyanathan Sugumar Vellore Institute of Technology University, India	22
S Koteswara Rao Konera Lakshmaiah Education Foundation, India	20

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