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3	M Sasikala, K Sangeetha, B Senthil Kumar. Investigation of the Characterisation Variances of Blended Non-woven Textiles: Banana, Flax and Recycled Cotton. Indian Journal of Science and Technology.2025.18 (1):pp.23-36. DOI: 10.17485/IJST/v17i1.663	URL
4	D Manoj, M Purushothaman. Mechanical Properties and Prediction Based on ANN Model of Basalt and Polypropylene Fiber Reinforced Concrete. Indian Journal of Science and Technology.2025.18 (1):pp.37-50. DOI: 10.17485/IJST/v18i1.3440	URL
5	G Pakardin, D Chinna Venkata Subbaiah, S Dastagiri, Kongi Prasad, G Lokeswara Reddy, M V Lakshmaiah, M Sree Latha. Structural and Optical Properties of Hydrothermally Synthesized $\text{Co}_0.3\text{Zn}_0.7\text{Al}_x\text{Fe}_{2-x}\text{O}_4$ ($x = 0.2 - 0.8$) Nanoparticles. Indian Journal of Science and Technology.2025.18 (1):pp.51-58. DOI: 10.17485/IJST/v18i1.3822	URL
6	K Surendar, P Rajkumar, V Balachandran, B Arun. FT-IR, XRD, EDX-SEM and Radiological Fingerprints of Sedimentary Rocks of Bodamalai Hills in Tamil Nadu, India. Indian Journal of Science and Technology.2025.18 (1):pp.59-71. DOI: 10.17485/IJST/v18i1.2783	URL
7	A Emima, D I George Amalarethinam. Integrative Ensemble Learning Algorithm for Predicting Students' Performance. Indian Journal of Science and Technology.2025.18 (1):pp.72-84. DOI: 10.17485/IJST/v18i1.3718	URL
8	Amit Rathod, Kajal Patel. Internal Re-keying Based Modified AES. Indian Journal of Science and Technology.2025.18 (1):pp.85-94. DOI: 10.17485/IJST/v18i1.2012	URL
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10	R Manikandan, M D Navinkumar, A Prakasam, P Esther, G Vanitha, K Sathiyamoorthi, B Dhinakaran. Eco-Friendly Synthesis, Spectral, Morphological Analysis of Cobalt Oxide Nanoparticles ($\text{Co}_3\text{O}_4\text{NPs}$) Mediated by Leaves Extract of <i>Petalium murex</i> L and its Anti-bacterial, Antifungal, Antioxidant and Anticancer (MCF-7 Cell Line) Study. Indian Journal of Science and Technology.2025.18 (2):pp.102-112. DOI: 10.17485/IJST/v18i2.2816	URL
11	Pushpalika Chatterjee. Smart Contracts and Machine Learning: Exploring Blockchain and AI in Fintech. Indian Journal of Science and Technology.2025.18 (2):pp.113-124. DOI: 10.17485/IJST/v18i2.3838	URL
12	A Sithi Jaffira, N Jayaveeran, A Shaik Abdul Khadir. Chronic Kidney Failure Risk Prediction and Phase-Wise Progress Classification Via Simple Recurrent Neural Network (SRNN) Approach. Indian Journal of Science and Technology.2025.18 (2):pp.125-135. DOI: 10.17485/IJST/v18i2.3769	URL
13	Ravikumara Nayaka, Shrikant Biradar, Ashok Dinkar, Basavaraj Gurav, G B Devidas. Investigation of Physical, Structural and Optical Properties of Borate Glasses with Chromium Doping for Optical Device Applications. Indian Journal of Science and Technology.2025.18 (2):pp.136-146. DOI: 10.17485/IJST/v18i2.3702	URL
14	Srinivas Mallimoggala, K Rama Devi. Enhanced Prognostics for Lithium-Ion Batteries in eVTOL Aircraft Using CatBoost and LightGBM Algorithms. Indian Journal of Science and Technology.2025.18 (2):pp.147-159. DOI: 10.17485/IJST/v18i2.1804	URL

15	Vinod Babu Pusuluri, A M Prasad, Naresh K Darimireddy. Optimization of 5G Sub Band Antenna Design Using Machine Learning Techniques for WiFi & WiMAX Application. Indian Journal of Science and Technology.2025.18 (2):pp.160-167. DOI: 10.17485/IJST/v18i2.3681	URL
16	Naba Kumar Deka, Mridusmita Choudhury, Dipika Malakar, Probodh Borah, Pratap Jyoti Handique. Resistant Staphylococcus aureus (BORSA) and Modified Staphylococcus aureus (MODSA) Isolates From Human and Animals in Assam, India. Indian Journal of Science and Technology.2025.18 (2):pp.168-176. DOI: 10.17485/IJST/v18i2.3733	URL
17	V Sabarivasan, P Sivaraj, S Malarvizhi, V Balasubramanian, S Sathiya. Analysis of Mechanical Properties on Resistance Spot Welded Dissimilar Thick Dissimilar Joints: Effect of Welding Current. Indian Journal of Science and Technology.2025.18 (3):pp.177-183. DOI: 10.17485/IJST/v18i3.3511	URL
18	Dinesh Rani Bansal, Reetu. Common Fixed Point Theorems Involving Cubic Terms of $d(x, y)$ in b-Metric Spaces. Indian Journal of Science and Technology.2025.18 (3):pp.184-192. DOI: 10.17485/IJST/v18i3.1590	URL
19	P Janavarthini, I Antonitte Vinoline. Supply Chain Inventory Model for Defective Items with Sustainable Repair and Recovery Operations in Pythagorean Fuzzy Environment. Indian Journal of Science and Technology.2025.18 (3):pp.193-202. DOI: 10.17485/IJST/v18i3.3963	URL
20	V Vinola Elisabeth, S Rexlin Jeyakumari. Enhancing Emission Control With Environmental Engineering Services in a Sustainable Fuzzy Inventory Model. Indian Journal of Science and Technology.2025.18 (3):pp.203-214. DOI: 10.17485/IJST/v18i3.3743	URL
21	C Sujdha, R Thriumalai Selvi, S Bharathidasan. Improving the Classification Performance for the Effective Diagnosis of Diseases Using Optimized Weighted KNN on Clinical Dataset. Indian Journal of Science and Technology.2025.18 (3):pp.215-222. DOI: 10.17485/IJST/v18i3.3527	URL
22	G Padmini, P Vidya. Exploring Green Food Packaging Properties of Bauhinia variegata, Prunus dulcis, Tectona grandis and Nelumbo nucifera – A Comparative Analysis. Indian Journal of Science and Technology.2025.18 (3):pp.223-230. DOI: 10.17485/IJST/v18i3.3712	URL
23	M Noushad Rahim, K P Mohamed Basheer. A Hierarchical and Multi-Tiered Personalized Career Recommender System Tailored to Individual Aptitudes. Indian Journal of Science and Technology.2025.18 (3):pp.231-244. DOI: 10.17485/IJST/v18i3.3979	URL
24	Arnav Anshuman, Kiran Bhairannavar. Pandemic Geographies: An Ethnographic Enquiry into the Dynamics of Everyday Space During Covid-19 in India. Indian Journal of Science and Technology.2025.18 (3):pp.245-257. DOI: 10.17485/IJST/v18i3.2824	URL
25	Raveena Dangi, Poonam Redhu, Vijeta Kumari. Traffic Jerk Effect From Non-motor Automobiles and Velocity Prediction Effect in Car-Following Model Under V2X Environment. Indian Journal of Science and Technology.2025.18 (4):pp.258-267. DOI: 10.17485/IJST/v18i4.3517	URL
26	Anjali Yadav, Kirti Amresh Gautam. Physiochemical Profile of Tilyar Lake – Essential Parameters for Sustainable Biodiversity. Indian Journal of Science and Technology.2025.18 (4):pp.268-274. DOI: 10.17485/IJST/v18i4.3134	URL
27	Sajda Khan Gajdhar, Nora Talal Nashar, Gaida Alwehaibi, Reem Alesayi, Zahour Osman, Shaiq Gajdhar, Naif Omar Salem Bin Muhanna, R Sheetal Kumar. Incidence and Clinicopathological Correlation of Periapical Granulomas Associated with Extracted Teeth in Jeddah, Saudi Arabia. Indian Journal of Science and Technology.2025.18 (4):pp.275-280. DOI: 10.17485/IJST/v18i4.3724	URL
28	Dattatray N Shinde, Machchhindra T Gophane, Manish C Agalave. Ordered Pseudo-Ideals of An Ordered Ternary Semigroup. Indian Journal of Science and Technology.2025.18 (4):pp.281-286. DOI: 10.17485/IJST/v18i4.3500	URL
29	Bhagawat Rimal, Rabindra Adhikari, Saurav Shrestha, Sushila Rijal, Ripu Kunwar, Abdul Sahim Ansari, Abhishek Tiwary. Emerging Role of Remote Sensing For Monitoring Glacial and Surface Water Changes in Nepal. Indian Journal of Science and Technology.2025.18 (4):pp.281-286. DOI: 10.17485/IJST/v18i4.1548	URL

30	Ruchi Gupta, Sangeeta Malik. Study on New Ratio and Product Type Estimators for Population Mean Under Ranked Set Sampling. Indian Journal of Science and Technology.2025.18 (4):pp.297-303. DOI: 10.17485/IJST/v18i4.2367	URL
31	Y Shivaprakash, S S Bellad, C M Dinesh, M Satish, Gavisiddayya Mathad, Deepa Pathar, K Subramanya. An Investigation of Two Distinct Borate-Based Reddish Ruby Glasses Containing Gold Nanoparticles. Indian Journal of Science and Technology.2025.18 (4):pp.281-286. DOI: 10.17485/IJST/v18i4.Shivaprakash	URL
32	Kuppan Ayyappan, D R Srinivasan. Effect of Fuel Injection Pressure Variations on Engine Performance-Emission-Particulate Matter with Diesel-Iso-Butanol-Nanoparticle Fuels in Compression Ignition Engine. Indian Journal of Science and Technology.2025.18 (5):pp.313-327. DOI: 10.17485/IJST/v18i5.1733	URL
33	C M Dinesh, Y Shivaprakash, M Sathish, R Chandrashekar, Ravikumara Nayaka. Investigation of Electrical Properties in Silicon BJTs With Varying Base Widths Under Heavy Ion Irradiation. Indian Journal of Science and Technology.2025.18 (5):pp.328-336. DOI: 10.17485/IJST/v18i5.Dinesh	URL
34	Gavisiddayya Mathad, Deepa Pathar, K Subramanya, Y Shivaprakash, Shivaraj G Gurikar. Studies on Structural, Optical, Thermal and Dielectric Properties of Polyaniline/ZnO Nanocomposites Synthesized by In-Situ Polymerization. Indian Journal of Science and Technology.2025.18 (5):pp.337-346. DOI: 10.17485/IJST/v18i5.Gavisddayya	URL
35	Shoyeb Muhammad, Md. Rabiul Akand, Fahim Faisal Tamim, Subrata Talapatra, Sarojit Kumar Biswas, Md. Sumon Rahman, Rakesh Roy. An Assessment of Researchers' Mental Workload and Fatigue While Engaged in Research Using Machine Learning and NASA-TLX. Indian Journal of Science and Technology.2025.18 (5):pp.347-356. DOI: 10.17485/IJST/v18i5.3583	URL
36	George S Ulomi, Alex F Mongi, Mussa A Dida. Towards Efficient Video Codec for 360-degree Video Streaming over Broadband Network. Indian Journal of Science and Technology.2025.18 (5):pp.357-365. DOI: 10.17485/IJST/v18i5.3964	URL
37	M Sathish, Ravikumara Nayaka, C M Dinesh, Gavisiddayya Mathad, Deepa Pathar, Y Shivaprakash. Transport Properties of Niobium Doped Silver-Borate Glasses. Indian Journal of Science and Technology.2025.18 (5):pp.366-371. DOI: 10.17485/IJST/v18i5.Sathish	URL
38	Ajay Kumar Pandey, Shashikant Tripathi, Anjaney Kumar Pandey. Inverter Controlling with Fuzzy Logic Controller for Solar Photovoltaic Based Grid Connected System. Indian Journal of Science and Technology.2025.18 (5):pp.372-379. DOI: 10.17485/IJST/v18i5.3877	URL
39	P Vivekananth, Navneet Sharma. Detecting Cyberbullying in Social Media: An NLP-Based Classification Framework. Indian Journal of Science and Technology.2025.18 (5):pp.380-389. DOI: 10.17485/IJST/v18i5.1491	URL
40	Ruchir J Desai, Y D Patel. 12 DOF Bipedal Robot Design: Kinematic Analysis and Dynamic Simulation. Indian Journal of Science and Technology.2025.18 (6):pp.390-402. DOI: 10.17485/IJST/v18i6.2938	URL
41	Abhijit Banerjee, Rina Bhattacharya. Solar Wind Speed Variations as Precursor Through X-Class Flare Intensity and Wind Density: A Radio Data Analysis. Indian Journal of Science and Technology.2025.18 (6):pp.403-414. DOI: 10.17485/IJST/v18i6.1506	URL
42	N Subhalakshmi, M V Srinath. e-Healthsec: A Cloud-Based Privacy-Preserving Electronic Health History Framework using NLP with Multi-Layer Encryption. Indian Journal of Science and Technology.2025.18 (6):pp.415-429. DOI: 10.17485/IJST/v18i6.51	URL
43	S C Shiralashetti, A M Sangolli, P R Badiger. Daubechies Wavelet Multigrid Method for Accurate Solution of Typical Differential Equations Arising in Hydrodynamic Lubrication Theory. Indian Journal of Science and Technology.2025.18 (6):pp.430-442. DOI: 10.17485/IJST/v18i6.2416	URL
44	S Sivakaminathan, B Vasudevan, K Gunasekaran. Bipolar Intuitionistic Anti Fuzzy α -Ideal of A BP-Algebra. Indian Journal of Science and Technology.2025.18 (6):pp.443-451. DOI: 10.17485/IJST/v18i6.3792	URL

45	Ouattara Taniky Sy Hamed, Yacouba Zoungranan, Ekou Lynda, Ekou Tchirioua. Effects of Controlled Oxidation on the Functional Properties of Potato, Yam, Cassava and Corn Starches. Indian Journal of Science and Technology.2025.18 (6):pp.452-63. DOI: 10.17485/IJST/v18i6.3736	URL
46	Jugal Kishore, Vipin Verma. Sums of Finite Product of Chebyshev Polynomials of Third and Fourth Kind and Fibonacci and Lucas Numbers. Indian Journal of Science and Technology.2025.18 (6):pp.464-476. DOI: 10.17485/IJST/v18i6.2669	URL
47	K Rajalashmi, S Manivannan, R Subbulakshmi. Detecting and Tracking of Road Boundary Lines Using Machine Learning Approach. Indian Journal of Science and Technology.2025.18 (6):pp.477-486. DOI: 10.17485/IJST/v18i6.3685	URL
48	Lucky Pratap Khemani, Ravindra Kumar Yadav, Twinkle V Doshi. Novel Optimized Image Enhancement and Deep Learning Based Crack Detection Algorithm in Non-Destructive Testing. Indian Journal of Science and Technology.2025.18 (7):pp.487-503. DOI: 10.17485/IJST/v18i7.3874	URL
49	C Sridevi, M Kannan. Convolutional Neural Network Architecture-Inception (GoogLeNet) For Deep Architected Learning-Assisted Lung Cancer Classification in Computed Tomography Images. Indian Journal of Science and Technology.2025.18 (7):pp.504-516. DOI: 10.17485/IJST/v18i7.3086	URL
50	D Manoj, M Purusothaman. Mechanical Properties and Flexural Behaviour of Basalt and Polypropylene Fiber Reinforced Concrete Beams. Indian Journal of Science and Technology.2025.18 (7):pp.517-525. DOI: 10.17485/IJST/v18i7.4033	URL
51	M Ragul, A Aloysius, V Arulkumar. Advancing IoT Security through Blockchain-Driven Dynamic Trust Evaluation. Indian Journal of Science and Technology.2025.18 (7):pp.526-538. DOI: 10.17485/IJST/v18i7.3783	URL
52	Jeremiah T Wosu, Gloria A Chukwudebe, Cosmas K Agubor, Longinus S Ezema, Mathew E Nwanga. A Novel Quick Response Code Generator and Scanning System for Counterfeit Product Detection Using Product Inherent Features. Indian Journal of Science and Technology.2025.18 (7):pp.539-549. DOI: 10.17485/IJST/v18i7.2455	URL
53	Faith Nguleni, Devotha Nyambo, Jacob Lisuma, Shubi Kaijage. Dataset Development for Automated Grade Labelling of Virginia Flue-Cured Tobacco Leaves in Tanzania: A Focus on Stalk Leaf Position. Indian Journal of Science and Technology.2025.18 (7):pp.550-558. DOI: 10.17485/IJST/v18i7.3608	URL
54	Dhanavath Siva, R Srinivasa Kumar, N R Dakshinamurthy. Influence of Recycled Aggregates on Mechanical and Permeability Properties of Pervious Concrete. Indian Journal of Science and Technology.2025.18 (7):pp.559-570. DOI: 10.17485/IJST/v18i7.3953	URL
55	Amro Sadul Quddus, T Usmani, Syed Hamid Hasan. Performance Evaluation of a 70.6 kWp Building-Integrated Photovoltaic (BIPV) System using PVSol. Indian Journal of Science and Technology.2025.18 (7):pp.571-579. DOI: 10.17485/IJST/v18i7.3972	URL
56	J Praveen Gujjar, H R Prasanna Kumar. Agri Friendly Conversational AI Chatbot Using Open Source Framework. Indian Journal of Science and Technology.2025.18 (8):pp.580-585. DOI: 10.17485/IJST/v18i8.15	URL
57	S Jerinrechal, I Antonitte Vinoline. Optimizing Sustainable Production Quantity Model Incorporating CCS Technology and Mitigating Greenhouse Gas and Wastewater Emissions. Indian Journal of Science and Technology.2025.18 (8):pp.586-594. DOI: 10.17485/IJST/v18i8.4060	URL
58	N B Naduvnamani, Bhagyashri Kotreppa Koppa. Impact of Viscosity Variation on The Static and Dynamic Characteristics of Squeeze Film Lubrication of Rough Short Journal Bearing With Micropolar Fluid. Indian Journal of Science and Technology.2025.18 (8):pp.595-607. DOI: 10.17485/IJST/v18i8.3402	URL
59	Dolismita Boruah, Pallabi Medhi, Ananya Guha, Gyandeep Sharma. Performance Evaluation of Erlang Loss Model With Encouraged Arrival and Reverse Reneging. Indian Journal of Science and Technology.2025.18 (8):pp.608-619. DOI: 10.17485/IJST/v18i8.4062	URL
60	Ravita Mishra, Gargi Angne, Nidhi Gawde, Preeti Khamkar, Sneha Utekar. SignSpeak: Indian Sign Language Recognition with ML Precision. Indian Journal of Science and Technology.2025.18 (8):pp.620-634. DOI: 10.17485/IJST/v18i8.4049	URL

61	R Jaisankar, H Haripriya. A Fuzzy Approach to Kalbfleisch - Prentice Estimator. Indian Journal of Science and Technology.2025.18 (8):pp.635-639. DOI: 10.17485/IJST/v18i8.65	URL
62	Amalarani Sivamurugan, Parthasarathy Ayothi, Kathiresan Shanmugam, Vellaikumar Sampathrajan, A S Priscilla. Molecular Identification and Biochemical Characterization of Graesiella emersonii LDC1 as a Potential Source of Omega -3 Fatty Acids. Indian Journal of Science and Technology.2025.18 (8):pp.640-650. DOI: 10.17485/IJST/v18i8.2488	URL
63	D H Harshitha, M K Kokila, M R Nithin Kumara, Bishwajit Paul. Design, Synthesis, Structural Elucidation and Spectroscopic Studies of Novel 1,4-Disubstituted 1,2,3-Triazole Derivative f or Pharmaceutical Applications. Indian Journal of Science and Technology.2025.18 (8):pp.651-657. DOI: 10.17485/IJST/v18i8.Harshitha	URL
64	R Jayalakshmi, C Rajagopal, K Sridharan. Morisita-Horn's Feature Matching Pursuit Based Contingency Correlative Recursive Deep Neural Network for Soil Fertility Prediction. Indian Journal of Science and Technology.2025.18 (9):pp.658-670. DOI: 10.17485/IJST/v18i9.3704	URL
65	M Santhosh Priya, A Mydeen Bibi. Enclave Domination Number of Semi Total Graphs $T_1(G)$ and $T_2(G)$. Indian Journal of Science and Technology.2025.18 (9):pp.671-681. DOI: 10.17485/IJST/v18i9.3958	URL
66	Akashkumar Shah, Khushbu Patel. Development and Evaluation of Therapeutically Beneficial Fast Dissolving Tablet Containing Herbal Extracts: A Quality by Design Approach. Indian Journal of Science and Technology.2025.18 (9):pp.682-695. DOI: 10.17485/IJST/v18i9.3480	URL
67	Gaurang M Patel, Shital H Shukla. GIS-Based 3D Modelling for Urban Green Energy PV Potential Estimation Indian Journal of Science and Technology.2025.18 (9):pp.696-704. DOI: 10.17485/IJST/v18i9.370	URL
68	K Prasannadevi, A Gurumoorthy. A Mathematical Model for Influence of Nano-Particle Form on Stagnation-Point Flow in Generated Magnetic Field. Indian Journal of Science and Technology.2025.18 (9):pp.705-715. DOI: 10.17485/IJST/v18i9.3808	URL
69	Jenifa Begam Rahumathullah, A S Priscilla, Pugalanthi Pandian Sankaralingam. Magnesium-Doped Fluorophosphate Bioactive Glass For Bone Tissue Engineering: In Vitro and In Vivo Study. Indian Journal of Science and Technology.2025.18 (9):pp.716-733. DOI: 10.17485/IJST/v18i9.2129	URL
70	J Helen Arokia Selvi, T Rajendran. DNA Encoding and Chaos based Image Encryption Technique for Cloud Storage and Communications. Indian Journal of Science and Technology.2025.18 (9):pp.734-744. DOI: 10.17485/IJST/v18i9.3557	URL
71	A Satheesh Kumar, E Manikgantan, M Ravichandran. Safety Evaluation of Novel Siddha Herbal Formulation Maramanjil Chooranam: Acute and Subacute Toxicity Evaluations in Sprague Dawley Rats. Indian Journal of Science and Technology.2025.18 (9):pp.745-754. DOI: 10.17485/IJST/v18i9.3840	URL
72	Shubham A Ambhore, Navneet K Lamba. Lumpy Skin Disease: A Mathematical Model Application. Indian Journal of Science and Technology.2025.18 (9):pp.755-762. DOI: 10.17485/IJST/v18i9.2894	URL
73	T Rajendrakumar, S Sagaya Roseline, M Venkatesh. On Soft $g\#s$ Continuous Maps and Soft $g\#s$ Irresolute Maps. Indian Journal of Science and Technology.2025.18 (10):pp.763-771. DOI: 10.17485/IJST/v18i10.3652	URL
74	A Emima, D I George Amalarethinam. A Hybrid Model of Enhanced Teacher Learner Based Optimization (ETLBO) with Particle Swarm Optimization (PSO) Algorithm for Predicting Academic Student Performance. Indian Journal of Science and Technology.2025.18 (10):pp.772-783. DOI: 10.17485/IJST/v18i10.240	URL
75	Soma Basu, A J Hemamalini. Development of an Institution Specific Mobile App for Nutrition Support Services. Indian Journal of Science and Technology.2025.18 (10):pp.784-795. DOI: 10.17485/IJST/v18i10.323	URL
76	Fatima Ahmed Al-Qadri, Fatima A S Al-Yusufy, Jawaher Al-Qahtan, Ashwaq Al-Hilali, Amnah Bawazir, Sarah Salem Al-Sayari, Sarah Suleiman Al-Sayari, Mona Al-Nahdi, Bakhita Alkorbi. Banana Peel and Potato as a Biodegradable Plastic. Indian Journal of Science and Technology.2025.18 (10):pp.796-802. DOI: 10.17485/IJST/v18i10.306	URL

77	S Selvakumari, M Durairaj. A Comparative Study of Optimization Techniques in Deep Learning Using the MNIST Dataset. Indian Journal of Science and Technology.2025.18 (10):pp.803-810. DOI: 10.17485/IJST/v18i10.121	URL
78	Abhishek Gandhar, Prakhar Priyadarshi, Shashi Gandhar, S B Kumar, Arvind Rehalia, Mohit Tiwari. An Effective Deep Learning Model Design for Cyber Intrusion Prevention System. Indian Journal of Science and Technology.2025.18 (10):pp.811-815. DOI: 10.17485/IJST/v18i10.318	URL
79	Mhell Ruth Ann B Cabutaje-Simon, John Paul D Galvan, Marvin D Adorio1, Romar P Razote. Effect of Magnetically Treated Water in Lettuce (Lactuca sativa) Applied in Three Irrigation Regimes Through Drip Fertigation System. Indian Journal of Science and Technology.2025.18 (10):pp.816-821. DOI: 10.17485/IJST/v18i10.4005	URL
80	Soma Gupta, Satarupa Mohanty, Dayal Kumar Behera. AI-based Yield Prediction: A Thorough Review. Indian Journal of Science and Technology.2025.18 (10):pp.822-838. DOI: 10.17485/IJST/v18i10.175	URL
81	Saloni Gupta, Prashant Beniwal, Sanjay Khanna, Ganesh N Sharma. Investigating Anti-Diabetic Potential of Magniferin via Alpha Amylase Inhibitory Activity; In Silico Studies and In Vitro Validation. Indian Journal of Science and Technology.2025.18 (11):pp.839-847. DOI: 10.17485/IJST/v18i11.290	URL
82	Vinnarasi, D I George Amalarethinam. Advancing Data Security in Cloud Computing: Introducing Secured Layered Technique for Data Security Approach (SLT-DSEA), A Multi-Layered Security Framework. Indian Journal of Science and Technology.2025.18 (11):pp.848-860. DOI: 10.17485/IJST/v18i11.273	URL
83	Ushma B Joshi, Devayani R Tiple, Mohammed Faisal Ansari. Impact of Bacterial Endophytes of Phyllanthus emblica L. in Developmental Magnification of Crop for Sustainable Agriculture. Indian Journal of Science and Technology.2025.18 (11):pp.861-869. DOI: 10.17485/IJST/v18i11.6	URL
84	S. Jayalakshmi, R. Sivasanthiya. An Economic Reliability Test Plan for Weighted Weibull Distribution. Indian Journal of Science and Technology.2025.18 (11):pp.870-876. DOI: 10.17485/IJST/v18i11.4054	URL
85	Pritika Bahad, Dipti Chauhan, Saxena Preeti, Manojkumar Deshpande. Early Prediction of Diabetes Mellitus: An Explainable AI Approach. Indian Journal of Science and Technology.2025.18 (11):pp.877-890. DOI: 10.17485/IJST/v18i11.2235	URL
86	Abhijit S Pande, Prakash G. Burade. Intelligent Power Dispatch Optimization: A Genetic Algorithm Approach with Unified Power Flow Controller. Indian Journal of Science and Technology.2025.18 (11):pp.891-903. DOI: 10.17485/IJST/v18i11.3709	URL
87	P L Chithra, S Lakshmi Bala. Sculpting Efficiency: Hierarchical Codec Framework for 3D LiDAR Point Cloud Data. Indian Journal of Science and Technology.2025.18 (11):pp.904-921. DOI: 10.17485/IJST/v18i11.1583	URL
88	Vidya Mohanty, Dayal Kumar Behera, Amiya Ranjan Panda, Subhra Swetanisha. Comparative Study of ARIMA and Deep Learning for NDVI Forecasting Using Landsat 8 Data. Indian Journal of Science and Technology.2025.18 (11):pp.922-936. DOI: 10.17485/IJST/v18i11.18	URL
89	Tanvi Amin, Disha Joshi, Dhruvansh Patni, Meenakshi Mohil. Harnessing the Proteolytic Power of Aspergillus Terreus Sgtn2. Indian Journal of Science and Technology.2025.18 (12):pp.937-946. DOI: 10.17485/IJST/v18i12.3414	URL
90	Vijayalaxmi Tankasala, G Kavitha, Ch Vittal, V Dhanalaxmi, P Padma. Effect of MHD on Chemically Retorting Oldroyd-B + Nanofluid Flow Over a Stretching Sheet Through Porous Medium in the Presence of Double Diffusion. Indian Journal of Science and Technology.2025.18 (12):pp.947-961. DOI: 10.17485/IJST/v18i12.3697	URL
91	Ranjit Dhunde, Prashant Dhongle. Solving Two-Dimensional Helmholtz and Poisson Equations Using Double Laplace Transform Method. Indian Journal of Science and Technology.2025.18 (12):pp.962-968. DOI: 10.17485/IJST/v18i12.3705	URL
92	Yakavi AL., Mydeen Bibi. A. Generalization of IP Domination Number for Complement Graphs. Indian Journal of Science and Technology.2025.18 (12):pp.969-973. DOI: 10.17485/IJST/v18i12.3959	URL

93	S.S. Handibag, J.H. Bhosale. Solution Of Nonlinear Integro-Differential Equations by Using Laplace Decomposition Method and Series Solution Method. Indian Journal of Science and Technology.2025.18 (12):pp.974-982. DOI: 10.17485/IJST/v18i12.3988	URL
94	Bayazid Bustami, Parvej Rahman Alif, MD. Zahid Hasan Suman, Alam, S. M. Nur, Md Mahfuzur Rahman. Controlled Synthesis of Graphitic Carbon Nitride (g-C ₃ N ₄) For Photocatalytic Degradation of Dyes. Indian Journal of Science and Technology.2025.18 (12):pp.983-992. DOI: 10.17485/IJST/v18i12.4093	URL
95	Mariya George, P Pavithra, V N Sangeetha, S S Murugan, T N Sathya, T S Kumaravel. Comparative Cytotoxicity Assessment of Cobalt-Chromium-Molybdenum Casts Using Elution, Agar Diffusion, and Filter Diffusion Methods. Indian Journal of Science and Technology.2025.18 (12):pp.993-999. DOI: 10.17485/IJST/v18i12.503	URL
96	Gaurang M Patel, Shital H Shukla. Automated Extraction of Building Footprints from High-Resolution Cartosat-2 Imagery for Urban Planning. Indian Journal of Science and Technology.2025.18 (12):pp.1000-1008. DOI: 10.17485/IJST/v18i12.386	URL
97	K. M. Sakthivel, Alicia Mathew. A Meaningful Construction of New Circular Distribution for Applications in Geomorphology. Indian Journal of Science and Technology.2025.18 (13):pp.1009-1022. DOI: 10.17485/IJST/v18i13.4008	URL
98	Hoomafrin A. R. Sheikh, Swapnil V. Madhamshettiwar. Depolymerization of Nylon Waste by Hydrolysis using surfactant and its Kinetic Study. Indian Journal of Science and Technology.2025.18 (13):pp.1023-1028. DOI: 10.17485/IJST/v18i13.4073	URL
99	P Joselin Lavino1, A Mary Priya Dharsini. Best Proximity Point Theorems on b – Multiplicative Metric Spaces. Indian Journal of Science and Technology.2025.18 (13):pp.1029-1037. DOI: 10.17485/IJST/v18i13.168	URL
100	M. Deepika, I Antonitte Vinoline. An Integrated Warehouse System using AS/RS (Automated Storage and Retrieval System) Technology. Indian Journal of Science and Technology.2025.18 (13):pp.1038-1045. DOI: 10.17485/IJST/v18i13.178	URL
101	S. C. Shiralashetti, S. S. Joshi, S. I. Hanaji. Haar Wavelet Based Numerical Method to Solve Nonlinear Differential Equations Arising in Turbulent Boundary Layer Fluid Flow. Indian Journal of Science and Technology.2025.18 (13):pp.1046-1058. DOI: 10.17485/IJST/v18i13.4048	URL
102	N. Ramya, M. Deivanayaki. Impact of Soret and Dufour Effects on Casson Nanofluid Flow in a Magnetic Field along with Heat and Mass Transfer. Indian Journal of Science and Technology.2025.18 (13):pp.1059-1070. DOI: 10.17485/IJST/v18i13.4028	URL
103	S. Jayalakshmi, M. Gopinath. Designing of Skip Lot Sampling Plan using Single Sampling Plan by Attributes under the Situations of Borel Distribution as Reference Plan. Indian Journal of Science and Technology.2025.18 (13):pp.1071-1078. DOI: 10.17485/IJST/v18i13.100	URL
104	P Pradeepa, S S Murugan, Sangeetha V Naveen, T S Kumaravel. Evaluation of Mechanical Hemolysis of Bare Metallic and Drug-Eluting Cardiovascular Stents. Indian Journal of Science and Technology.2025.18 (13):pp.1079-1086. DOI: 10.17485/IJST/v18i13.645	URL
105	G. Rajasekar, K Gurusami. Optimization of Resistance Spot Welding Parameters in Uncoated Cold-Rolled Steel by Using Taguchi Method. Indian Journal of Science and Technology.2025.18 (14):pp.1087-1095. DOI: 10.17485/IJST/v18i14.3898	URL
106	B. Patel Hitesh, Brahmhatt Keyur, Joshi Mahasweta. Data Augmentation Approach for Type-2 Diabetes Prediction and Classification. Indian Journal of Science and Technology.2025.18 (14):pp.1096-1104. DOI: 10.17485/IJST/v18i14.3904	URL
107	T. Kousiga, P. Nithya. Multi-Scale Multi-Class Generative Adversarial Network for Improving Deep Learner based Lung Disease Detection. Indian Journal of Science and Technology.2025.18 (14):pp.1105-1117. DOI: 10.17485/IJST/v18i14.93	URL
108	N. Raghu, D. Rajeshwari ² , Fathima Nasreen, B. M. Hemanth Kumar, Kannanugo Niranjana. Automatic Coloring Algorithm for Hand-Drawn Illustrations Based on Human Vision Model. Indian Journal of Science and Technology.2025.18 (14):pp.1118-1128. DOI: 10.17485/IJST/v18i14.4056	URL

109	S. Sakthivel, K. Gayathri. Network Reconfiguration based Simultaneous allocation of DGs and EVCSs for Enhancing the Voltage Stability of RDS using POA approach. Indian Journal of Science and Technology.2025.18 (14):pp.1129-1139. DOI: 10.17485/IJST/v18i14.4104	URL
110	S. Bhavatharani, Krishnan Nandita, A. J. Hemamalini. Nutritional and Microbial Profile of Black Rice (<i>Oryza sativa</i> L.indica) and Chickpea (<i>Cicer arietinum</i> L.) Ladoo. Indian Journal of Science and Technology.2025.18 (14):pp.1140-1146. DOI: 10.17485/IJST/v18i14.2223	URL
111	M. Manjumari. Decision Making Problem with Multiple Attribute Group Employing an Array of Singularly Perturbed Differential Equations. Indian Journal of Science and Technology.2025.18 (14):pp.1147-1154. DOI: 10.17485/IJST/v18i14.2820	URL
112	S. Maniganda Boopathy, A. Stephan Antony Raj, K. M. Shenthil Vadivukkarasi, B. Maheswari. Numerical Simulation of Heat transfer Enhancement in IC Engine using Al ₂ O ₃ -H ₂ O Nanofluids as a Coolant. Indian Journal of Science and Technology.2025.18 (14):pp.1155-1163. DOI: 10.17485/IJST/v18i14.3854	URL
113	Basu Soma, A. J. Hemamalini, Ranjith Kumar Manokaran. Optimizing Nutrition Care: A Comparative Study of Nutrition Screening Tools in Children with Drug-Resistant Epilepsy. Indian Journal of Science and Technology.2025.18 (15):pp.1164-1169. DOI: 10.17485/IJST/v18i15.302	URL
114	R. Jaisankar, S. Deepa. On Estimating the Time from HIV Infection to AIDS - A Stochastic Modeling Approach. Indian Journal of Science and Technology.2025.18 (15):pp.1170-1176. DOI: 10.17485/IJST/v18i15.63	URL
115	Kaushal Priyanka, Saxena Vipin, Chandra Shalini. Prediction of Type-II Diabetic through Blockchain Technology. Indian Journal of Science and Technology.2025.18 (15):pp.1177-1188. DOI: 10.17485/IJST/v18i15.3423	URL
116	Bindiya Tater, Kishor John. Exploring the Effect of Price, Performance and Environmental Sustainability in the Adoption of Electric Vehicles. Indian Journal of Science and Technology.2025.18 (15):pp.1189-1200. DOI: 10.17485/IJST/v18i15.4066	URL
117	A. Thomas Felix, P. Calduwel Newton. Path Quality Aware Energy Efficient Technique to Increase Packet Delivery Ratio in the Internet of Things. Indian Journal of Science and Technology.2025.18 (15):pp.1201-1219. DOI: 10.17485/IJST/v18i15.347	URL
118	S. Sree Priya, Dr. T. Rajendran. Enhanced Weighted Round Robin: A New Paradigm in Cloud Load Balancing. Indian Journal of Science and Technology.2025.18 (15):pp.1220-1228. DOI: 10.17485/IJST/v18i15.3976	URL
119	T. Murugan, P. Muthirulan, G. V. Shylasree. Adsorption Isotherm and Kinetic Study on the Removal of Cresol Red Dye using Indigenously Prepared Activated Carbons from <i>Artocarpus hirsutus</i> and <i>Annona muricata</i> Fruit Peel. Indian Journal of Science and Technology.2025.18 (15):pp.1229-1238. DOI: 10.17485/IJST/v18i15.157	URL
120	N. Ramya, Dr. J. Banu Priya. Extraction and Characterization Study on <i>Allium cepa</i> L. var. <i>aggregatum</i> Residual- A Sustainable Fibre for Textile Application. Indian Journal of Science and Technology.2025.18 (15):pp.1239-1247. DOI: 10.17485/IJST/v18i15.415	URL
121	Dhwanir Shah, Lokesh Kumar Sharma. Contrastive Study of Machine Learning Techniques for Credit Card Fraud Detection. Indian Journal of Science and Technology.2025.18 (16):pp.1248-1259. DOI: 10.17485/IJST/v18i16.572	URL
122	S. B. Charthankar, A. T. Autee. The Effect of Gas and Liquid Velocities on Two-Phase Flow Pressure Drop through Minichannels and Microchannels. Indian Journal of Science and Technology.2025.18 (16):pp.1260-1269. DOI: 10.17485/IJST/v18i16.424	URL
123	V. V. Murali Krishnam Raju, S. Raju ¹ , Rajesh Siriyala. Fracture Analysis and Morphological Characterization of the Mg - 3 Zn -1Ti /TCP Layered Composite using Centrifugal Casting Process. Indian Journal of Science and Technology.2025.18 (16):pp.1270-1278. DOI: 10.17485/IJST/v18i16.538	URL
124	Vineeta Ail, Shivani Jain. Effect of Blackburn Exercises v/s Rhythmic Stabilization on Scapular Dyskinesia in Guitarists. Indian Journal of Science and Technology.2025.18 (16):pp.1279-1284. DOI: 10.17485/IJST/v18i16.3880	URL

125	Rakesh Motka, Rakesh Patel, Sandip Panchal. Optimized LSTM Model for Accurate Blood Glucose Prediction in Type-1 Diabetes. Indian Journal of Science and Technology.2025.18 (16):pp.1285-1299. DOI: 10.17485/IJST/v18i16.368	URL
126	Jayshree Rathorel*, Rajesh Kumar Pareek. Fabrication of Photogalvanic Cell Composed with Natural and Synthetic Dyes for the Generation and Storage of Solar Power. Indian Journal of Science and Technology.2025.18 (16):pp.1300-1308. DOI: 10.17485/IJST/v18i16.628	URL
127	K. R. Srivaishnavi, T. Pramananda Perumal, P. Anishiya. Feature Extraction from Segmented Brain MRI Images using Traditional Methods and Classification Analysis of Brain Tumor using Machine Learning Classifiers. Indian Journal of Science and Technology.2025.18 (17):pp.1309-1320. DOI: 10.17485/IJST/v18i17.1902	URL
128	K. Surendar, P. Rajkumar, V. Balachandran, K. Sasikumar. Spectroscopic Studies (FTIR, XRD, EDX with SEM) and Elemental Analysis (XPS) on Sedimentary Rocks of Pachamalai Hills, Tamil Nadu, India. Indian Journal of Science and Technology.2025.18 (17):pp.1321-1334. DOI: 10.17485/IJST/v18i17.311	URL
129	N. Sekhar, M. Srimannarayana, N. Deepika. Chemistry of Black Tea Extract on Citrus Essential Oils. Indian Journal of Science and Technology.2025.18 (17):pp.1335-1342. DOI: 10.17485/IJST/v18i17.322	URL
130	R. Sivarasan, Dr. M. S. Mythili. Advanced Capsule Networks with Feature Thresholding for Enhanced COVID-19 Detection in X-ray Images. Indian Journal of Science and Technology.2025.18 (17):pp.1343-1355. DOI:10.17485/IJST/v18i17.371	URL
131	Kirtikumar J. Sharma, Narendra M. Patel. Optimizing Cloud Resource Management with Advanced Scheduling Algorithms and Reinforcement Learning. Indian Journal of Science and Technology.2025.18 (17):pp.1356-1364. DOI: 10.17485/IJST/v18i17.434	URL
132	J Magelin Mary, D I George Amalarethinam. Modified Sunflower Optimization Algorithm for Task Scheduling in Cloud Computing. Indian Journal of Science and Technology.2025.18 (17):pp.1365-1376. DOI: 10.17485/IJST/v18i17.537	URL
133	Mafidur Rahman. Optimizing Hydraulic Ram Pump Performance: Experimental Insights on Waste Valve Height and Uncertainty Analysis. Indian Journal of Science and Technology.2025.18 (18):pp.1377-1396. DOI: 10.17485/IJST/v18i18.394	URL
134	Vidya Mohanty, Dayal Kumar Behera, Amiya Ranjan Panda1, Subhra Swetanisha. Comparative Analysis of Machine Learning and Deep Learning Models for LULC Classification using Remote Sensing Data. Indian Journal of Science and Technology.2025.18 (18):pp.1397-1409. DOI: 10.17485/IJST/v18i18.104	URL
135	Mariya George, P. Pavithra, K. Kayathri, Gayathri Satheesh, V. Bhuvana, N. Mohana, V. N. Sangeetha, S. S. Murugan, T. N. Sathya, T. S. Kumaravel. Haematological and Biochemical Alterations Following 180-Day Subcutaneous Implantation of Cobalt-Chromium-Molybdenum (CCM) Alloy in Rats. Indian Journal of Science and Technology.2025.18 (18):pp.1410-1417. DOI:10.17485/IJST/v18i18.504	URL
136	Kirti Makwana. Analysing Personality Dimensions: Exploring Thinking vs. Feeling among MBA Students in Gujarat State. Indian Journal of Science and Technology.2025.18 (18):pp.1418-1429. DOI: 10.17485/IJST/v18i18.391	URL
137	A. Shalini Krubha, S. Velmurugan. Pharmacological Applications of Iron Doped Titanium Oxide (Fe/TiO2) Nanoparticles Derived from Beta vulgaris Leaf Extract. Indian Journal of Science and Technology.2025.18 (18):pp.1430-1440. DOI: 10.17485/IJST/v18i18.153	URL
138	Ankit Gaikwad, Ankit Asher, Tanuja Bandivadekar. Capacity Evaluation of Unequal-Leg Single-Angle Steel Compression Members using Indian and American Code Provisions. Indian Journal of Science and Technology.2025.18 (18):pp.1441-1451. DOI: 10.17485/IJST/v18i18.402	URL
139	M. Uma Shankari, Dr. S. Rethinavalli. Dynamic Duplication Attack Detection and Mitigation System (DDADMS). Indian Journal of Science and Technology.2025.18 (18):pp.1452-1464. DOI: 10.17485/IJST/v18i18.535	URL
140	Shiv Narayan, Kavita Sharma. Enhancing Scientific Aptitude in Students through a Comparative Analysis of Multimedia-Based Teaching and Traditional Methods in Science Education. Indian Journal of Science and Technology.2025.18 (19):pp.1465-1470. DOI: 1465-1470	URL

141	Rondi Pushpa Latha, Persis Voola. Satellite Image Classification using Transformers with Map Reduce-Based Pre-processing Framework. Indian Journal of Science and Technology.2025.18 (19):pp.1471-1477. DOI: 10.17485/IJST/v18i19.743	URL
142	V. Amala Deepa, T. Lucia Agnes Beena. A Hybrid Approach for Missing Data Imputation using Polynomial Interpolation and Backfill. Indian Journal of Science and Technology.2025.18 (19):pp.1478-1488. DOI: 10.17485/IJST/v18i19.636	URL
143	Henila Manickam. Apple Fruit Disease Identification Using a Novel Gray-Scale Segmentation Algorithm and Sorting Using a Naive Bayesian Classifier. Indian Journal of Science and Technology.2025.18 (19):pp.1489-1497. DOI: 10.17485/IJST/v18i19.1782	URL
144	Jigisha Thakker, Hemant Thakkar. Optimum Design of Helical Torsion Spring for Fluctuate Loading in Dual Plate Check Valve using MATLAB App Designer. Indian Journal of Science and Technology.2025.18 (19):pp.1498-1507. DOI: 10.17485/IJST/v18i19.139	URL
145	M. Monika, J Merline Vinotha. A Sustainable Supply Chain Model with the Consideration of Logistics, Yard Management Systems, and Green Investments. Indian Journal of Science and Technology.2025.18 (19):pp.1508-1514. DOI: 10.17485/IJST/v18i19.267	URL
146	T. Fiona Paulson, Dr. J. Banupriya. Fabrication of Vegan Leather from Botanical Barren Extracts on Blended Fabric: A Vanillin-Enhanced Approach. Indian Journal of Science and Technology.2025.18 (19):pp.1515-1529. DOI: 10.17485/IJST/v18i19.412	URL
147	S. Sumathi, R. Rajesh. Feature-Optimized Random Forest Model for Wildfire Prediction using Weather Information. Indian Journal of Science and Technology.2025.18 (19):pp.1530-1537. DOI: 10.17485/IJST/v18i19.442	URL
148	Mahi Patel, Devansh Desai, Zalak Shah. Satellite-Based Trends Analysis of Land Surface Temperature, Vegetation Growth, and Precipitation: Evaluating Seasonal Variation and Correlation in Ahmedabad, India. Indian Journal of Science and Technology.2025.18 (20):pp.1538-1546. DOI: 10.17485/IJST/v18i20.638	URL
149	Vikas Arora, Shashank Shekher Mishra, Ashish Joshi, Jagannath Sahoo, Nitin Joshi, Vibha Joshi, Komal Bajaj. Exploring the Feasibility of Accelerometer-Based Mobile Health Apps to Enhance Physical Activity in Western Rajasthan. Indian Journal of Science and Technology.2025.18 (20):pp.1547-1553. DOI: 10.17485/IJST/v18i20.3350	URL
150	K. Sathya, A. Saraswathi. Design of Privacy Preserving Model for Academic Documents Issuance and Verification Using Distributed Hyperledger Fabric Approach (PACIV) and SSI. Indian Journal of Science and Technology.2025.18 (20):pp.1554-1564. DOI: 10.17485/IJST/v18i20.358	URL
151	S. Alagukumar, T. Kathirvalavakumar. Impacts of Mutual Information and Discretization Methods in Associative Classifications. Indian Journal of Science and Technology.2025.18 (20):pp.1565-1577. DOI: 10.17485/IJST/v18i20.2983	URL
152	Poonam M. Mahajan, Gouri M. Patil. Performance Analysis of GPSR, DSDV, and AODV Routing Protocols in VANET with respect to Area and Node Scalability.Indian Journal of Science and Technology.2025.18 (20):pp.1578-1589. DOI: 10.17485/IJST/v18i20.2796	URL
153	N. Subhalakshmi, M. V. Srinath. Modern Secure Electronic Health Framework (M-SEHF) for Collaborative Medical Data Analysis with Privacy-Preserving Techniques. Indian Journal of Science and Technology.2025.18 (20):pp.1590-1599. DOI: 10.17485/IJST/v18i20.738	URL
154	B. Menaka, Dr. S. Arulselvarani. Improved Attack Classification and Reduced Misclassification in Cloud Security with Multi-Class AdaBoost Models. Indian Journal of Science and Technology.2025.18 (20):pp.1600-1609. DOI: 10.17485/IJST/v18i20.807	URL
155	Raju P Tandel, Minal P Patil, Vinod S More, Gitesh G Padhye, Tatyrao N Ghorude. Synthesis and Characterization of PPy-Fe(ClO ₄) ₂ -Ag Nano-Composite and Their Study in H ₂ S Gas Sensor at Room Temperature. Indian Journal of Science and Technology.2025.18 (20):pp.1610-1622. DOI: 10.17485/IJST/v18i20.166	URL
156	K Praveen Kumar Rao, N Sasikala, B Kalesh. Optimized Cluster-Based Energy Efficient Routing for WSNs Adopting SA-LEACH. Indian Journal of Science and Technology.2025.18 (21):pp.1623-1635. DOI: 10.17485/IJST/v18i21.238	URL

157	S. Hareesh, S. Rethinavalli. Bone Fracture Image Denoising using a Novel Filter with Hybrid Optimization. Indian Journal of Science and Technology.2025.18 (21):pp.1636-1650. DOI: 10.17485/IJST/v18i21.899	URL
158	A. Srividya, Bela Zutshi. Effect of Dietary Anthocyanin on Survival and Growth Performance of Freshwater Ornamental Fishes Reared in Saline Environment. Indian Journal of Science and Technology.2025.18 (21):pp.1651-1661. DOI: 10.17485/IJST/v18i21.2561	URL
159	M. Premalatha, K. Anitha, B. Revathi, V. Balachandran, B. Narayana, A. Jayashree, N. Thirughanasambantham. Molecular Structure, Vibrational Analysis, and Pharmacokinetic Evaluation of a Novel Pyrazole Derivative: Experimental and Computational Study. Indian Journal of Science and Technology.2025.18 (21):pp.1662-1680. DOI: 10.17485/IJST/v18i21.276	URL
160	Dhwanir Shah, Lokesh Kumar Sharma. Benchmarking Machine Learning Techniques for Credit Card Fraud Detection. Indian Journal of Science and Technology.2025.18 (21):pp.1681-1695. DOI: 10.17485/IJST/v18i21.903	URL
161	Elizabeth Nemhoihkim, Enmuanliana, L K Thang Ngaihte, Lucky Smita Basumatary, B P Mishra. Effects of Anthropogenic Disturbance on Soil Characteristics in a Forest of Aizawl District, Mizoram. Indian Journal of Science and Technology.2025.18 (21):pp.1696-1702. DOI: 10.17485/IJST/v18i21.783	URL
162	K Srilakshmi, A V S Karthikeya Chowdary, D Lakshmi Soumya, Ch. Hemasri, G Pavan Kumar. Performance Analysis of High Speed Low Power BCD Adder using CMOS and Dynamic logic. Indian Journal of Science and Technology.2025.18 (21):pp.1703-1715. DOI: 10.17485/IJST/v18i21.700	URL
163	S Yamini Sudha Lakshmi, V Yavanika, V Monisha, D Shiny Beulah, R Bargavi Sree. Assessment of Phytochemicals and Characterisation of a Polyherbal Formulation. Indian Journal of Science and Technology.2025.18 (21):pp.1716-1727. DOI: 10.17485/IJST/v18i21.556	URL
164	V Haripriya, P Rutravigneshwaran. Optimizing Gradient Boosting Machine for Alzheimer's Disease Prediction using Cormorant Swarm Intelligence (CSO-GBM). Indian Journal of Science and Technology.2025.18 (22):pp.1728-1739. DOI: 10.17485/IJST/v18i22.863	URL
165	M Geetha, B Kirthiga, P Vidya. Exploring the Role of Traditional Cooking Methods in Boosting Probiotic Diversity in Fermented Rice (Oryza sativa). A Comprehensive Insight into its Nutritional Influence on Human Health. Indian Journal of Science and Technology.2025.18 (22):pp.1740-1753. DOI: 10.17485/IJST/v18i22.794	URL
166	Asim Seedahmed Ali Osman. Navigating the Future with AI-Powered Insights: Challenges and Strategies for Digital Evolution. Indian Journal of Science and Technology.2025.18 (22):pp.1754-1762. DOI: 10.17485/IJST/v18i22.825	URL
167	Basavaraj Motimath, Sanjiv Kumar. Prevalence of Glenohumeral Internal Rotation Deficit in Recreational Bowlers in Belagavi City: An Observational Study. Indian Journal of Science and Technology.2025.18 (22):pp.1763-1767. DOI: 10.17485/IJST/v18i22.10	URL
168	Vivek Nath, D. K. Sambariya. Application of Optimized PI-PD Controller for Load Frequency Control in Deregulated Environment. Indian Journal of Science and Technology.2025.18 (22):pp.1768-1781. DOI: 10.17485/IJST/v18i22.3938	URL
169	Morusu Keerthana, Javvaji Praveen Kumar, Pathireddy Sai Charitha, Edara Lakshmi Prasanna Deepthi, Modem Bhavana, Anisetti Anusha. Manifestation and Management of Dysmenorrhea - A Cross Sectional Study. Indian Journal of Science and Technology.2025.18 (22):pp.1782-1791. DOI: 10.17485/IJST/v18i22.482	URL
170	R Madhukumar, Ravikumara Nayaka, Gavisiddayya Mathad, K Subramanya, Deepa Pathar, Shivaraj G Gurikar, Raghavendra K Sali. Influence of Ionizing Radiation on Bio-synthesis of Noble Metal SF-AgNPs: Their Applications. Indian Journal of Science and Technology.2025.18 (22):pp.1792-1800. DOI: 10.17485/IJST/v18i22.3428	URL
171	Harold Jan R Terano. Assessing the Compliance of the Civil Engineering Program with the Philippine Technological Council's Accreditation Standards. Indian Journal of Science and Technology.2025.18 (22):pp.1801-1810. DOI: 10.17485/IJST/v18i22.943	URL

172	Siva Phanindra Daggubati, Venkata Rao Kasukurthi, Prasad Reddy. Advancing Genomic Data Management through TCompress: An Innovative Method for Sequence Compression of Biological Sequence Compression Algorithm using Text-Compression Tools. Indian Journal of Science and Technology.2025.18 (23):pp.1811-1817. DOI: 10.17485/IJST/v18i23.2790	URL
173	S Josephine Theresa. Weighted Model Fusion for Imbalanced Learning. Indian Journal of Science and Technology.2025.18 (23):pp.1818-1824. DOI: 10.17485/IJST/v18i23.904	URL
174	J Magelin Mary, D I George Amalarethinam. A Hybrid Model of Gray Wolf Optimization (GWO) and Modified Sunflower Optimization Algorithm (MSOA) for Efficient Task Scheduling in Cloud Computing. Indian Journal of Science and Technology.2025.18 (23):pp.1825-1837. DOI: 10.17485/IJST/v18i23.927	URL
175	Rugaia Omer Ahmed Hassan, Amin Babiker Abdalnabi Mustafa. Time-Varying Change Tracking of Fingernail Biometrics Based on MATLAB and Origin Software. Indian Journal of Science and Technology.2025.18 (23):pp.1838-1848. DOI: 10.17485/IJST/v18i23.263	URL
176	M P Subna, N Kamalraj. Hybrid Deep Learning-Based Human Activity Recognition Enhanced by YOLOv8 and Data Augmentation on MHealth and WISDM Datasets. Indian Journal of Science and Technology.2025.18 (23):pp.1849-1861. DOI: 10.17485/IJST/v18i23.870	URL
177	I V Priadharshini, R Selvaraju. Growth and Spectral Characterization of Calcium Oxalate Crystals. Indian Journal of Science and Technology.2025.18 (23):pp.1862-1872. DOI: 10.17485/IJST/v18i23.877	URL
178	H. Thanya Gayathri, R. Baskar, N. Pannirselvam. Experimental Investigation on Flexural Behaviour of Encased Cold Formed Steel Section in Reinforced Concrete Beams. Indian Journal of Science and Technology.2025.18 (23):pp.1873-1881. DOI: 10.17485/IJST/v18i23.881	URL
179	T S Prabhu, S Nithyanandh, K J Eldho, B Karthikeyan, V Vasanthi. Securing Next Generation 6G Wireless Networks Through Intelligent Bio-Inspired Routing with Energy Optimization for Enhanced Authentication. Indian Journal of Science and Technology.2025.18 (23):pp.1882-1895. DOI: 10.17485/IJST/v18i23.850	URL
180	S Uday Balegar, R Shashidhar, A Raghu. Influence of Thickness on Structural, Morphological, Compositional and Optical Properties of RF-Sputtered Al:ZnO Thin Films. Indian Journal of Science and Technology.2025.18 (24):pp.1896-1907. DOI: 10.17485/IJST/v18i24.758	URL
181	S G Ghodmare, K P Pande. Phase Transitions and Asymptotic Behaviors in (2+1)-Dimensional Spacetimes with Perfect Fluids and Cosmological Constant. Indian Journal of Science and Technology.2025.18 (24):pp.1908-1914. DOI: 10.17485/IJST/v18i24.797	URL
182	A Sandanasamy, P Joseph Charles. Hybrid Proximal Policy Optimization based Adaptive Link Load Balancing with INT in Secure SDN-IoT Networks. Indian Journal of Science and Technology.2025.18 (24):pp.1915-1930. DOI: 10.17485/IJST/v18i24.1007	URL
183	Shilpa Samdurkar, Shubhangi Kale, Pratiksha Nandanwar, Seema Bawnerkar. Study of Bianchi Type-III Dark Energy Model in the Presence of $f(R, T)$ Gravity. Indian Journal of Science and Technology.2025.18 (24):pp.1931-1938. DOI: 10.17485/IJST/v18i24.3908	URL
184	S Shanmugapriya, P Rutravigneshwaran. Adaptive Rhea Optimization Enhanced CNN SVM Framework (ROC-SVM) for Precise MRI Based Brain Tumor Classification. Indian Journal of Science and Technology.2025.18 (24):pp.1939-1952. DOI: 10.17485/IJST/v18i24.938	URL
185	Callixte Yadufashije, Charline Uwilingimana, Liliane Muhimpundu, Gratien Twagirumukiza, Joseph Gikunju. Mathematical Equation Could Be a Tool of Teaching and Learning the Basics of Research Methodology: Theory. Indian Journal of Science and Technology.2025.18 (24):pp.1961-1971. DOI: 10.17485/IJST/v18i24.544	URL
186	V Rojasree, J Gnana Jayanthi. Intelligent Key Cryptography (IKC) using Tamil Unicode and Temporal Time: A Research Perspective Analysis. Indian Journal of Science and Technology.2025.18 (24):pp.1953-1960. DOI: 10.17485/IJST/v18i24.339	URL
187	Zonata Ramdé, Oumar Kaboré. Mining-related Pollution of Water Resources and Local Perceptions of Effects on Natural Ecosystems in the Pô-Nazinga-Sissili Ecological Complex in Burkina Faso. Indian Journal of Science and Technology.2025.18 (24):pp.1972-1984. DOI: 10.17485/IJST/v18i24.708	URL

188	S. Aasha, R. Sugumar. Sensor Malfunction Simulation and Data Imputation using Deep Learning in Precision Agriculture. Indian Journal of Science and Technology.2025.18 (25):pp.1985-1997. DOI: 10.17485/IJST/v18i25.779	URL
189	V. Nirmala, B. Lavanya. Multiple Language Document Indexing and Classification with Page Number. Indian Journal of Science and Technology.2025.18 (25):pp.1998-2008. DOI: 10.17485/IJST/v18i25.834	URL
190	M. Saranya, S. Arulselvarani. Real-Time Obstacle Detection using Yolov8 for Assistive Navigation. Indian Journal of Science and Technology.2025.18 (25):pp.2009-2022. DOI: 10.17485/IJST/v18i25.937	URL
191	Nabanita Kakati, Bipin Gogoi. Neutrosophic Statistical Approach to Multiple Comparison Analysis. Indian Journal of Science and Technology.2025.18 (25):pp.2023-2030. DOI: 10.17485/IJST/v18i25.270	URL
192	Abdul-Kareem Mahdi Salih, Asaad Hameed Jaafar. Energy Transfer Up-Conversion Effect on Characteristics of Nd+3: YAG Passively Q-Switched Laser Pulse. Indian Journal of Science and Technology.2025.18 (25):pp.2031-2039. DOI: 10.17485/IJST/v18i25.745	URL
193	Dharmendra Dhadhal, Vivekanand Mishra, Raturaj Thummar. Examining the Functionality and Application of a 32-Channel CSRZ Modulation System with a Gaussian Filter and Narrow Channel Spacing at 1.28 TB of Data Transfer. Indian Journal of Science and Technology.2025.18 (25):pp.2040-2046. DOI: 10.17485/IJST/v18i25.663	URL
194	Kushagra Mutreja, Amiya Ranjan Panda, Manoj Kumar Mishra. Predicting Stock Price using Att-Gru-Ols with Vader Sentimental Analysis. Indian Journal of Science and Technology.2025.18 (25):pp.2047-2057. DOI: 10.17485/IJST/v18i25.112	URL
195	Sanika Rangnath Jagtap, Vedant Kulkarni, Yashowardhan Pachorkar, Om Taur, Shivam Gupta, Uma Pujeri. AI-Driven Real- Time Interview Simulation App with Voice Recognition and Facial Analysis. Indian Journal of Science and Technology.2025.18 (25):pp.2058-2066. DOI: 10.17485/IJST/v18i25.760	URL
196	Nabanita Kakati, Bipin Gogoi. A Study of Multiple Comparison Tests with Imprecise and Uncertain Information. Indian Journal of Science and Technology.2025.18 (26):pp.2067-2074. DOI: 10.17485/IJST/v18i26.1547	URL
197	Hemant Kumar Saw, Rakesh Tiwari, Shruti Shukla. The Stochastic Reliability Modeling of a Centrifugal Pump of a Rectifier Cooling System of DC-Rectifier with a Standby Unit and Preventive Maintenance. Indian Journal of Science and Technology.2025.18 (26):pp.2075-2087. DOI: 10.17485/IJST/v18i26.585	URL
198	S. Pauline, K. Sujith. Shoreline Changes from Mahabalipuram to Odiyur Lake Using Digital Shore Line Analysis System. Indian Journal of Science and Technology.2025.18 (26):pp.2088-2099. DOI: 10.17485/IJST/v18i26.137	URL
199	V. Maruthi Prasad, B. Bharathi. An Internet of Medical Things and Deep Learning-Based Intelligent Security Framework for Heart Health. Indian Journal of Science and Technology.2025.18 (26):pp.2100-2110. DOI: 10.17485/IJST/v18i26.3485	URL
200	S. Lakshmi Devi, A. Vinoth. Real-Time Driver Fatigue Detection and Classification Using YOLOv8-FD: A Precision-Driven Approach for Enhanced Road Safety. Indian Journal of Science and Technology.2025.18 (26):pp.2111-2123. DOI: 10.17485/IJST/v18i26.732	URL
201	Biswaranjan Jena, Debahuti Mishra, Smitaprava Mishra. Contextualized Movie Recommendation Framework to Improve User Experience for OTT. Indian Journal of Science and Technology.2025.18 (26):pp.2124-2134. DOI: 10.17485/IJST/v18i26.869	URL
202	P V Punith Kumar, K M Kiran Raj, Harish Kunder, K Mahesh, R Sharath, J Uday Kiran. Monkeypox Disease Detection using Deep Learning Techniques. Indian Journal of Science and Technology.2025.18 (26):pp.2135-2147. DOI: 10.17485/IJST/v18i26.833	URL
203	Eden Woldegerima, Mastewal Birhan, Mequanint Melesse, Destaw Fetene Teshome, Mequanente Dagna, Nega Berhane. Risk Factors and their Contributions to the Development of Toxoplasma gondii among Pregnant Women Attending ANC Services in Northwest Ethiopia: Structural Equation Modelling. Indian Journal of Science and Technology.2025.18 (26):pp.2148-2154. DOI: 10.17485/IJST/v18i26.1018	URL

204	Ch. Naveen Reddy, J. Suresh Kumar. Influence of Surface Modification on the Vibration Characteristics of Natural Woven Banana-Jute Fiber Reinforced Hybrid Composites. Indian Journal of Science and Technology.2025.18 (27):pp.2155-2164. DOI: 10.17485/IJST/v18i27.1148	URL
205	J. Jino Blessy, Shanmugapriya Murugan, Mohana Shanmugam Jaganathan, J. Noorin Asiffa, D. Jaswanthi. Network Analysis to Identify Key Genes and Drug Targets for Amyotrophic Lateral Sclerosis using in silico Approaches. Indian Journal of Science and Technology.2025.18 (27):pp.2165-2178. DOI: 10.17485/IJST/v18i27.882	URL
206	N Dhvani, P Pranay, V V Haragopal, T Manjusha. Year-wise Longitudinal Comparative Analysis of Temperature Prediction Models for Hyderabad (2017–2024). Indian Journal of Science and Technology.2025.18 (27):pp.2179-2184. DOI: 10.17485/IJST/v18i27.559	URL
207	S Kumari, S Sharma, S Prasad, S Chandel. Significance of Darcy Forchheimer Effect and MHD Stagnation Characteristics of Casson Ternary Nanofluid Flow Over Porous Curved Stretching Surface. Indian Journal of Science and Technology.2025.18 (27):pp.2185-2197. DOI: 10.17485/IJST/v18i27.251	URL
208	Muhammad Puzhakkalaveetil, M Praveena. Enhancing Security Features in WSNs using Autoencoder-Based Intrusion Detection and ECC with Dynamic Key Rotation. Indian Journal of Science and Technology.2025.18 (27):pp.2198-2213. DOI: 10.17485/IJST/v18i27.1102	URL
209	Trishna Moni Tamuli, Prasanta Bhattacharya. Effects of jhum (shifting) Cultivation Fallow Period on Soil Physicochemical Properties, West Garo Hills District, Meghalaya, India. Indian Journal of Science and Technology.2025.18 (27):pp.2214-2220. DOI: 10.17485/IJST/v18i27.91	URL
210	Ranjana Gore, Pramod Bhalariao, Shweta Yadhav, Abhishek Das. A Novel Algorithm for Efficient Hyperspectral Image Preprocessing. Indian Journal of Science and Technology.2025.18 (27):pp.2221-2226. DOI: 10.17485/IJST/v18i27.577	URL
211	Lwithwma Basumatary, Palme Borthakur, Alajangi Simhachalam. Land Use Land Cover (LULC) Change Detection Analysis between 2013 and 2023 in Karbi Anglong District, Assam, using Geo-Informatics. Indian Journal of Science and Technology.2025.18 (27):pp.2227-2234. DOI: 10.17485/IJST/v18i27.772	URL
212	P Padmapriyanka, P Babu, K T Ramakrishna Reddy. Development of CZTS Monograins from Cu ₂ S, ZnS, and SnS ₂ Nanopowders for Solar Cell Application. Indian Journal of Science and Technology.2025.18 (28):pp.2235-2245. DOI: 10.17485/IJST/v18i28.885	URL
213	B. Menaka, S. Arulselvarani. Optimizing Cyber Threat Detection Through Bottleneck Feature Extraction and Adaptive Boosting. Indian Journal of Science and Technology.2025.18 (28):pp.2246-2256. DOI: 10.17485/IJST/v18i28.1138	URL
214	Mihir Panchal, Pankaj Prajapati. FPA-DQN: A Fairness- and Pressure-Aware Dueling Deep Q-Network for Adaptive Traffic Signal Control Using UAV-Based Trajectory Data. Indian Journal of Science and Technology.2025.18 (28):pp.2257-2272. DOI: 10.17485/IJST/v18i28.735	URL
215	Rupali B Surve, Ujwal A Lanjewar, Liladhar R Rewatkar. Deep Learning and NWP: An Evaluation for Accurate Weather Forecasting. Indian Journal of Science and Technology.2025.18 (28):pp.2273-2282. DOI: 10.17485/IJST/v18i28.861	URL
216	Sumy T O, Vinoth A. A Novel Approach for Sentiment Analysis Using Cross-Modal Transformer with Adaptive Fusion (CMTAF) Method-Tamil and Malayalam. Indian Journal of Science and Technology.2025.18 (28):pp.2283-2293. DOI: 10.17485/IJST/v18i28.949	URL
217	Bharti Khurana, Raunak Dhanker. Physiochemical Profiling and Spectrophotometric Assessment of Distillery Stillage. Indian Journal of Science and Technology.2025.18 (28):pp.2294-2300. DOI: 10.17485/IJST/v18i28.985	URL
218	Inku Devi, Ashok Kumar Bora. Assessing Livelihood Vulnerability Using a Composite Index in Communities Surrounding Riverine Wildlife Sanctuaries of Assam, India. Indian Journal of Science and Technology.2025.18 (28):pp.2301-2313. DOI: 10.17485/IJST/v18i28.895	URL
219	Satwinder Singh, P Aswin, Yash Paul, Shafiya Mushtaq, Rajesh Singh. Systematic Approach for Speech to Text Translation and Summarization. Indian Journal of Science and Technology.2025.18 (28):pp.2314-2326. DOI: 10.17485/IJST/v18i28.470	URL

220	Olivier Saint-Clair Yohou, Drissa Fondio, Ossey Robert N'Dépo, Lacina Soro, N'Guessan Lucie Yéboué. Study of the Oothecae During the Laying Period in the Stinking Locust, <i>Zonocerus variegatus</i> (Linnaeus, 1758) (Orthoptera: Pyrgomorphidae) in La Mé Region (Southeast, Côte d'Ivoire). Indian Journal of Science and Technology.2025.18 (29):pp.2327-2336. DOI: 10.17485/IJST/v18i29.3444	URL
221	G Vijayalakshmi, M V Srinath. Predicting Student Outcomes through Cognitive Behaviour Analysis in Online Collaborative Learning Using Big Data and Machine Learning. Indian Journal of Science and Technology.2025.18 (29):pp.2337-2346. DOI: 10.17485/IJST/v18i29.563	URL
222	Kaushik Kishore Phukon. Achieving Polynomial Time Complexity in Maximum Common Subgraph (MCS) Computation with reference to Text Modeling. Indian Journal of Science and Technology.2025.18 (29):pp.2347-2352. DOI: 10.17485/IJST/v18i29.973	URL
223	V Infine Sinduja, P Joseph Charles. PSTL-PPSO: A Hybrid Transformer and Swarm-Based Model for Load Balancing in Cloud Computing. Indian Journal of Science and Technology.2025.18 (29):pp.2353-2368. DOI: 10.17485/IJST/v18i29.1051	URL
224	H V Anusha, B G Sandhya, Ashwini Yalnaik. Structural Insights into Neighbor Degree-Based Topological Indices for Hexagonal Chain Structures. Indian Journal of Science and Technology.2025.18 (29):pp.2369-2375. DOI: 10.17485/IJST/v18i29.1126	URL
225	A M Arunnagiri, Krishna Chaitanya Pokkali. Advancing Diabetic Foot Ulcer Detection: A Study of Thermographic Imaging with Faster Vision Transformer. Indian Journal of Science and Technology.2025.18 (29):pp.2376-2385. DOI: 10.17485/IJST/v18i29.277	URL
226	M Deepika, I Antonitte Vinoline. A Closed-Loop Sustainable Production Inventory Model for Profit Optimization and Carbon Emission Control. Indian Journal of Science and Technology.2025.18 (29):pp.2386-2395. DOI: 10.17485/IJST/v18i29.1077	URL
227	Inku Devi, Ashok Kumar Boram. Adaptive Strategies and Livelihood Resilience among Riverine Communities Facing Flood and Erosion Hazards in Assam, India. Indian Journal of Science and Technology.2025.18 (29):pp.2396-2406. DOI: 10.17485/IJST/ v18i29.1087	URL
228	Rahul Rai, Krishna Kumar Singh. Dual Arc Volumetric-Modulated Arc Therapy for Cervical Cancer: A Dosimetric and Treatment Planning Comparison with 9 Fields Intensity-Modulated Radiotherapy Technique. Indian Journal of Science and Technology.2025.18 (30):pp.2407-2417. DOI: 10.17485/IJST/v18i30.1123	URL
229	Aruna Bansal, Tarun Kumar, Archita Bhatnagar, Sharvan Kumar Garg. Achieving Energy Efficiency through Maximum Energy LEACH and PEGASIS Methods in WSN with Node Mobility. Indian Journal of Science and Technology.2025.18 (30):pp.2418-2425. DOI: 10.17485/IJST/v18i30.1134	URL
230	C S Hemanth Kumar, B S Kariyappa, H S Umesha, C Channe Gowda, Y G Praveen Kumar. Low Power 8T and 9T SRAM Cell Configurations using Improved SVL (I-SVL). Indian Journal of Science and Technology.2025.18 (30):pp.2426-2434. DOI: 10.17485/IJST/v18i30.791	URL
231	A Arunkumar, D Lakshmi. Comparative Studies on Structural, Mechanical, Optical and Laser Damage Threshold Studies on Ammonium Acid Phthalate Crystal Grown by Conventional and SR Grown Crystals. Indian Journal of Science and Technology.2025.18 (30):pp.2435-2441. DOI: 10.17485/IJST/v18i30.971	URL
232	Vinod Babu Pusuluri, A M Prasad, Naresh K Darimireddy. Design of 5G Dual Band Antenna and Optimization using Machine Learning Techniques. Indian Journal of Science and Technology.2025.18 (30):pp.2442-2452. DOI: 10.17485/IJST/v18i30.910	URL
233	Padum Kant Mishra, Ekta Gupta, Aniket Kumar. Design and Analysis of Nikhilam based Vedic Architecture for High Speed Arithmetic Operations on FPGA. Indian Journal of Science and Technology.2025.18 (30):pp.2453-2459. DOI 10.17485/IJST/v18i30.1208	URL
234	Doreen D Domingo, James Patrick A Acang, Jessica G Asuncion, Donna Mae B Fronda, Enoch Caryl B Taclan, Jefe Rafael Macabiog, Modesty A Leaño, Gail Domecq C Tanawit, Uzziel Ginette Bascao-Natoza. Indian Journal of Science and Technology.2025.18 (30):pp.2418-2425. DOI: 10.17485/IJST/v18i30.940	URL

235	Abdul Wahid Wahidi, Mohammad Sorgul Abdul Rahman, Bashir Ahmad Aasim, Abdul Khaliq Karimi. Structural Health Assessment of Composite Steel Beams: Evaluating Pre-Damage and Post-Damage States using Modal Analysis. Indian Journal of Science and Technology.2025.18 (30):pp.2472-2481. DOI: 10.17485/IJST/v18i30.1163	URL
236	Chanchal Surywanshi, Ashween Bilagi ¹ , Meghnath Verma ² , Sony Kumari, Suman Kollipara ⁴ , K Prabhakar. Effect of Sookshma Meditation on Internet Addiction, Emotional Regulation, and Mindfulness in School Children: A Randomized Controlled Trial. Indian Journal of Science and Technology.2025.18 (31):pp.2482-2490. DOI: 10.17485/IJST/v18i31.781	URL
237	Zulfa Sammadile, Godfrey Luwemba, Bonny Mgawe, Devotha Nyambo. Augmented Reality-Based Outdoor Navigation System for Urban Firefighting: A Case of Dar es Salaam, Tanzania. Indian Journal of Science and Technology.2025.18 (31):pp.2491-2499. DOI: 10.17485/IJST/v18i31.793	URL
238	Boureima Dianda, Carole Flaviane Teguiwendé Sawadogo, Moctar Ousmane, Inoussa Djimbala Bonané, Dieudonné Joseph Bathiébo. Effect of Black Painted Granite as Thermal Storage Material on Solar Drying of Banana. Indian Journal of Science and Technology.2025.18 (31):pp.2500-2508. DOI: 10.17485/IJST/v18i31.1122	URL
239	M Durairaj, S Selvakumari. A Hybrid CNN-LSTM Framework for ECG Classification with Genetic Algorithm-Based Feature Optimization. Indian Journal of Science and Technology.2025.18 (31):pp.2509-2519. DOI: 10.17485/IJST/v18i31.1160	URL
240	Narendra Kumar Gahlot, Abhilasha Sonel, Hemendra Singh Bhandari. Enhanced Electrical Results of Mixed Dyes System (M.G. and T.B. + D-arabinose + NaLS system) in Photogalvanic Cell for Conversion And Storage. Indian Journal of Science and Technology.2025.18 (31):pp.2520-2526. DOI: 10.17485/IJST/v18i31.1264	URL
241	Bhumik Kapoor, Gurleen Kaur, Khushi Chawla ¹ , Utkarsh Saini, Monica Gupta, Surinder Kaur. A Feature-Enriched BiLSTM Architecture for Automated Music Composition. Indian Journal of Science and Technology.2025.18 (31):pp.2527-2538. DOI: 10.17485/IJST/v18i31.879	URL
242	S Kumari, S Prasad, S Chandel. The Chemical Reaction Effect on MHD Viscoelastic Nanofluids Flow over a Stretching Sheet Embedded in Porous Media with Thermal Radiation. Indian Journal of Science and Technology.2025.18 (31):pp.2539-2554. DOI: 10.17485/IJST/v18i31.816	URL
243	R Ruth Belina, T Lucia Agnes Beena. A Graph-Based Neural Network Approach to Student Performance Prediction using Mobile Usage Data. Indian Journal of Science and Technology.18 (31):pp.2555-2568. DOI:10.17485/IJST/v18i31.1034	URL
244	Ch. Soma Shekar, V Anand, Ch. Naga Anuradha, B Hari Prasad. Mathematical Study on Immigration and Migration of Prey-Predator Eco System with Unlimited Resources for the Predator. Indian Journal of Science and Technology.2025.18 (32):pp.2569-2580. DOI: 10.17485/IJST/v18i32.2219	URL
245	M Shameer, P Rutravigneshwaran. Impact Analysis of Malicious IoT Node Placement for Blackhole Attack Detection and Mitigation using Deep Learning-Based Trust Evaluation. Indian Journal of Science and Technology.2025.18 (32):pp.2581-2593. DOI: 10.17485/IJST/v18i32.1109	URL
246	Manju Sadasivan, K Varshini Krithika, P K Shinty, A Deepa. Predictive Crop Yield Modeling and Soil Quality Classification using Machine Learning. Indian Journal of Science and Technology.2025.18 (32):pp.2594-2607. DOI: 10.17485/IJST/v18i32.1135	URL
247	Joeann Marilyn Wilson, A C Shrusti, R Jeevitha, Sukanya Edagottu. An Observational Study to Assess the Efficacy of Antibiotics in Sepsis at a Tertiary Care Hospital. Indian Journal of Science and Technology.2025.18 (32):pp.2620-2625. DOI: 10.17485/IJST/v18i32.1217	URL
248	Mahi Patel, Devansh Desai, Zalak Shah. Decadal Assessment of Urbanization Impacts on Surface Energy Balance and Thermal Dynamics using Remote Sensing data: A Case Study of Ahmedabad, India. Indian Journal of Science and Technology.2025.18 (32):pp.2608-2619. DOI: 10.17485/IJST/v18i32.1213	URL
249	Muluken Hussen Asebel, Shimelis Getu Assefa, Mesfin Abebe Haile, Ramasamy Srinivasagan. Integrating Syntactic Structures for Enhanced English-Amharic Machine Translation: A Graph2Seq-Based Approach. Indian Journal of Science and Technology.2025.18 (32):pp.2626-2638. DOI: 10.17485/IJST/v18i32.558	URL

250	Ashishkumar Thakkar, Jishan K Shaikh, Moksha Satia. Comparative Study of Aryabhata (Vedic) Method vs Modern Method for Solving Linear Equations. Indian Journal of Science and Technology.2025.18 (32):pp.2639-2645. DOI: 10.17485/IJST/v18i32.1113	URL
251	S Amsavalli, K Saminathan, M Chithra Devi. A Unified Deep Learning Framework for MRI Brain Analysis: Integrating Segmentation, Classification using Transfer Learning and Generative Models. Indian Journal of Science and Technology.2025.18 (32):pp.2646-2655. DOI: 10.17485/IJST/v18i32.1265	URL
252	S Jeevarathinam, P. L. Balasubramanian, A. B. Karthick Anand Babu. Deep Neuro-Fuzzy Systems for Diabetes Prediction using Siddha Healthcare Practices with Algorithm Comparison. Indian Journal of Science and Technology.2025.18 (33):pp.2656-2668. DOI: 10.17485/IJST/v18i33.259	URL
253	Poornima Ravi, Monika Chandrasekar. Effect of Visual Function on Consumption of Dark Chocolate. Indian Journal of Science and Technology.2025.18 (33):pp.2669-2675. DOI: 10.17485/IJST/v18i33.1250	URL
254	N Kannammal, V Jude Nirmal, T Lucia Agnes Beena. Cluster based Modified Minimum Completion Time Algorithm for Task Scheduling in Cloud Computing. Indian Journal of Science and Technology.2025.18 (33):pp.2676-2689. DOI: 10.17485/IJST/v18i33.1118	URL
255	Ruchi Trivedi, Vikas Kumar Mishra, R N Dewangan, Pradeep Kumar Dadsena, Vikrant Singh Thakur, Manoj Kumar Dewangan, Vinay Kumar Masiyare, Manoj Kumar Sharma. Image Forgery Detection Forensic Tool Utilizing the Fusion of SIFT-PCA, SURF-PCA, ORB, ORB-PCA and Interval Type-2 Fuzzy Logic Methodologies. Indian Journal of Science and Technology.2025.18 (33):pp.2690-2700. DOI: 10.17485/IJST/v18i33.1150	URL
256	Harshit Vora, Seema Mahajan, Yogesh Kumar. Automated Prediction System for Bone Cancer Detection and Bone Age Assessment using Deep Learning Models. Indian Journal of Science and Technology.2025.18 (33):pp.2701-2714. DOI: 10.17485/IJST/v18i33.1245	URL
257	Ameni Mersani, Kawther Mekki, Omran Ncibi. AI-Powered S11 Prediction for a Compact 2.4 GHz Patch Antenna. Indian Journal of Science and Technology.2025.18 (33):pp.2715-2728. DOI: 10.17485/IJST/v18i33.1326	URL
258	F Jabez Samuel, P Calduwel Newton. A Hybrid Technique for Downward RPL (HTDO-RPL) Routing to Improve the Scalability of the Nodes. Indian Journal of Science and Technology.2025.18 (33):pp.2715-2728. DOI: 10.17485/IJST/v18i33.1371	URL
259	A Dhinesh, P Sumathy, A Vadivel. Performance of Generative AI used by and Attention Mechanism for Remote Sensing Image Captioning (RSIC): A Comparative and Comprehensive Analysis. Indian Journal of Science and Technology.2025.18 (33):pp.2740-2751. DOI: 10.17485/IJST/v18i33.1301	URL
260	Divya S Nair, M Lalithambigai. ACSAT: An Adaptive Contextual Sentiment-Aware Transformer for Early Detection of Depression in Social Media Text. Indian Journal of Science and Technology.2025.18 (34):pp.2752-2760. DOI: 10.17485/IJST/v18i34.950	URL
261	Ghanshyam, Kavi Shankar Varshney, Alok Sagar Gautam, Sneha Guatam, Taufiq Ahamad, Karan Singh, S P Singh, Sanjeev Kimothi,Shivangi. The Influence of Solar Parameters on Lightning Activity over Northern India using Lightning Imaging Sensor (LIS) Data. Indian Journal of Science and Technology.2025.18 (34):pp.2761-2769. DOI: 10.17485/IJST/v18i34.1029	URL
262	Anmol Chaturvedi, Ashish Raj. Advancements in Machine Learning Techniques for Epileptic Seizure Prediction Using EEG Data. Advancements in Machine Learning Techniques for Epileptic Seizure Prediction Using EEG Data. Indian Journal of Science and Technology.2025.18 (34):pp.2770-2783. DOI: 10.17485/IJST/v18i34.1224	URL
263	Pankaj P Prajapati, Rahul M Maru, Kinjal R Sheth, Alpesh M Patel, Anilkumar J Kshatriya, Nitin J Bathani1, Kirit V Patel. Implementation of Teaching Learning Based Optimization (TLBO) Algorithm to Optimize CMOS Based Analog Circuits. Indian Journal of Science and Technology.2025.18 (34):pp.2784-2793. DOI: 10.17485/IJST/v18i34.1373	URL
264	N P Arul, Vasukidevi Ramachandran. The Association and Clinical Implication of Hematological Inflammation Biomarkers and CRP in Diabetic Retinopathy Patients. Indian Journal of Science and Technology.2025.18 (34):pp.2794-2803. DOI: 10.17485/IJST/v18i34.953	URL

265	G Uma, S R Ramya, S Nandhitha. Economic Design of Single Sampling Plan and Quick Switching System Under Zero Inflated Poisson Distribution. Indian Journal of Science and Technology.2025.18 (34):pp.2804-2810. DOI: 10.17485/IJST/v18i34.1280	URL
266	A. Sahaya Mercy, Dr. G. Arockia Sahaya Sheela. Region-Focused Patch-Based Mixup for Improving Classification in Low-Resource Medical Imaging. Indian Journal of Science and Technology.2025.18 (34):pp.2811-2820. DOI: 10.17485/IJST/v18i34.1313	URL
267	M Vijayasimha, R P Jayaswal, D Jayarajan, Rosy, Inkashaf Alam, M Priya, Ashok Yadav. Seroprevalence of Hepatitis A and E Viruses: A Four-Year Retrospective Analysis from a Private Diagnostic Laboratory in Gurugram, India. Indian Journal of Science and Technology.2025.18 (34):pp.2821-2826. DOI: 10.17485/IJST/v18i34.1493	URL
268	A A Bhosale, V S Goswami. Observational Constraints on Fractal Gravity with Specific Form of Deceleration Parameter. Indian Journal of Science and Technology.2025.18 (35):pp.2827-2836. DOI: 10.17485/IJST/v18i35.1336	URL
269	Debabrata Gogoi, Sushanta Kabir Dutta. Development of a Robust Foreground Speech Enhancement Module for Sub-Optimal Data. Indian Journal of Science and Technology.2025.18 (35):pp.2837-2844. DOI: 10.17485/IJST/v18i35.2678	URL
270	Jagriti Gupta, Naresh Sharma. Predicting Patient Arrival Rates in Outpatient Department to Optimize Patient Flow. Indian Journal of Science and Technology.2025.18 (35):pp.2845-2852. DOI: 10.17485/IJST/v18i35.gupta	URL
271	Smit Yadav, Naresh Sharma. Mathematical Analysis of Cross Fluid Flow Over Exponentially Stretching Sheet with Heat and Mass Transfer. Indian Journal of Science and Technology.2025.18 (35):pp.2843-2860. DOI: 10.17485/IJST/v18i35.yadav	URL
272	Kiran Kumar Dangwal, Anindita Roy Chowdhury. Design of Capillary Lift Irrigation Model for Hilly Terrain. Indian Journal of Science and Technology.2025.18 (35):pp.2861-2867. DOI: 10.17485/IJST/v18i35.kiran	URL
273	Dennis Lalhruaitluanga, K Srinivasa Rao, Jimmy Lalnunmawia. Landslide Susceptibility Mapping of Mamit District in Mizoram, India: An Analytical Hierarchy Process Approach. Indian Journal of Science and Technology.2025.18 (35):pp.2868-2883. DOI: 10.17485/IJST/v18i35.1284	URL
274	Monali B Suthar, Satvik Khara. Enhancing IoT Security through Machine Learning-Based Intrusion Detection Systems. Indian Journal of Science and Technology.2025.18 (35):pp.2884-2896. DOI: 10.17485/IJST/v18i35.684	URL
275	Neha Gharat, Lochan Jolly. A Lightweight, Energy-Efficient Modified AES Algorithm for Real-Time IoT Applications. Indian Journal of Science and Technology.2025.18 (35):pp.2897-2907. DOI: 10.17485/IJST/v18i35.1156	URL
276	Meera Saravanan, R Naganandini Mental and Emotional Health: Good Practices in Children and Parental Entanglement - an Interview based Qualitative Study. Indian Journal of Science and Technology.2025.18 (36):pp.2908-2917. DOI: 10.17485/IJST/v18i36.1324	URL
277	Tara Rani, T S Ahluwalia, Himanshu Tripathi. Evaluation of Stereo Acuity and Depth Perception in Adolescents and Young Adults: Insights from a Cross-Sectional Study. Indian Journal of Science and Technology.2025.18 (36):pp.2918-2924. DOI: 10.17485/IJST/v18i36.1529	URL
278	Narayan Sabale, Sundari Tribhuvanam, Chandan Parasharam Kangralkar, Rahul R Halkarni, Omkar P Pote. Real Time Analysis of Aloe Vera Disease Classification using Deep Learning. Indian Journal of Science and Technology.2025.18 (36):pp.2925-2934. DOI: 10.17485/IJST/v18i36.632	URL
279	Labishetty Sai Charan, Vandana Mahaur, Himanshu Tripathi. Axial Elongation Suppression with Nightly 0.01% Atropine in Adolescents: A Mixed-Effects Longitudinal Analysis from a Randomised Trial. Indian Journal of Science and Technology.2025.18 (36):pp.2935-2941. DOI: 10.17485/IJST/v18i36.1527	URL
280	Pankaj P Prajapati, Alpesh M Patel, Anilkumar J Kshatriya, Kirit V Patel, Ghanshyamkumar Sah, Chintan Dave, Kinjal R Sheth, Devendra H Patel. Design Optimization of CMOS Folded-Cascode OTAs via Multi-Objective Evolutionary Algorithms: PSO, DE, and CSPSO Approaches. Indian Journal of Science and Technology.2025.18 (36):pp.2942-2952. DOI:	URL

	10.17485/IJST/v18i36.1552	
281	Sukant Kumar Sahoo, Smitaprava Mishra, Biswaranjan Jena. Enhancing Detection of Zero-Day Attacks in Cloud Infrastructure using Ensemble RBFNN with GAN-based Data Augmentation. Indian Journal of Science and Technology.2025.18 (36):pp.2953-2963. DOI: 10.17485/IJST/v18i36.1268	URL
282	G Vanitha, M Kasthuri. Enhancing Classification of High-Dimensional Neurocognitive Disorder Data via Neural Network-based Feature Selection with Static Attention and Noise Robustness. Indian Journal of Science and Technology.2025.18 (36):pp.2964-2974. DOI: 10.17485/IJST/v18i36.1405	URL
283	K Kalaivani, S S Murugan, T S Kumaravel. Cytotoxic Evaluation of Ultra High Molecular Weight Polyethylene for Medical Device Applications. Indian Journal of Science and Technology.2025.18 (36):pp.2975-2981. DOI: 10.17485/IJST/v18i36.1283	URL
284	K Kalaivani, S S Murugan, T S Kumaravel. Genotoxicity Assessment of Ultra-High Molecular Weight Polyethylene (UHMWPE) using Bacterial Reverse Mutation and In vitro Chromosomal Aberration Assays. Indian Journal of Science and Technology.2025.18 (37):pp.2982-2992. DOI: 10.17485/IJST/v18i37.1281	URL
285	S Merlin Sofia, D Ravindran, G Arockia Sahaya Sheela. HEART-PREP: Holistic Ensemble-based Algorithm for Robust Transformation and Preprocessing of Heart Disease Datasets. Indian Journal of Science and Technology.2025.18 (37):pp.2993-3004. DOI: 10.17485/IJST/v18i37.1435	URL
286	S Preethi, Joseph Charles. Deep Neural Spectral Subtraction Centroid Mel Frequency Powered Secure Multimodal Biometric Authentication. Indian Journal of Science and Technology.2025.18 (37):pp.3005-3023. DOI: 10.17485/IJST/v18i37.1537	URL
287	N J L Ramesh, K Natarajan, S Eswari. Stabilization of Puducherry Inland Clay with Lime and Quarry Dust: Geotechnical Evaluation. Indian Journal of Science and Technology.2025.18 (37):pp.3024-3039. DOI: 10.17485/IJST/v18i37.1467	URL
288	Praveena Ojha, Seema Acharya. Solubilization of 5- Amino Salicylic Acid in Different Micellar Media: A Fluorescence Approach. Indian Journal of Science and Technology.2025.18 (37):pp.3040-3045. DOI: 10.17485/IJST/v18i37.1546	URL
289	M Swapna, Chittepu Sireesha. Audio-based Age, Gender & Emotion detection. Indian Journal of Science and Technology.2025.18 (37):pp.3046-3060. DOI: 10.17485/IJST/v18i37.1039	URL
290	Purvi A Koringa, Nisha K Prajapati, Hina K Patel, Pooja C Gajjar, Nehal M Shyal. Enhancing Generalized Autoencoder for Improved Supervised Dimensionality Reduction in Image Recognition. Indian Journal of Science and Technology.2025.18 (37):pp.3061-3072. DOI: 10.17485/IJST/v18i37.1422	URL
291	R Sowmiya, B Lavanya. Authorship Verification with AI-Generated Mimicry: A Study with Bronte-Style Poems. Indian Journal of Science and Technology.2025.18 (37):pp.3073-3082. DOI: 10.17485/IJST/v18i37.1579	URL
292	Ravi Patel, Bhagirath Prajapati. Efficient Deep Learning Ensemble Approach for Indic Named Entity Recognition in Natural Language Processing. Indian Journal of Science and Technology.2025.18 (38):pp.3083-3090. DOI: 10.17485/IJST/v18i38.1602	URL
293	K Fathima, A R Mohamed Shanavas. Phoenix–Chameleon Optimization for Feature Selection in Sentiment Analysis. Indian Journal of Science and Technology.2025.18 (38):pp.3091-3102. DOI: 10.17485/IJST/v18i38.1228	URL
294	Ruturaj Thummar, Dharmendra Dhadhal, Vivekanand Mishra. Investigating the Performance of 64-Channel DWDM Systems with High Data Rates up to 2.5 Tbps at Varying Power Levels and Bit Rate. Indian Journal of Science and Technology.2025.18 (38):pp.3103-3111. DOI: 10.17485/IJST/v18i38.757	URL
295	T Udhaya Kumar1*, B Vidi Velli2, N Mani Kumari. Performance Evaluation of Copper Slag Based Geopolymer Concrete: Mechanical Strength and Durability Perspectives. Indian Journal of Science and Technology.2025.18 (38):pp.3112-3123. DOI: 10.17485/IJST/v18i38.1600	URL

296	Mousmi Pawar, Jyotshna Dongardive. Leveraging Artificial Intelligence in Learning Management Systems: A Systematic Review of Applications and Impacts in Higher Education. Indian Journal of Science and Technology.2025.18 (38):pp.3124-3135. DOI: 10.17485/IJST/v18i38.1648	URL
297	Shivani Narwal, Jitender Singh, Shweta Jaiswal, Tamanna Deswal, Savita Kalshan, Rajesh Dhankhar. Indian Journal of Science and Technology.2025.18 (39):pp.3136-3144. DOI: 10.17485/IJST/ v18i39.1557	URL
298	N Dhvani, P Pranay, N Sharanya. Comparative Analysis of Traditional Time Series and Machine Learning Models for Multi-Year Temperature Forecasting. Indian Journal of Science and Technology.2025.18 (39):pp.3145-3158. DOI: 10.17485/IJST/ v18i39.1263	URL
299	J Vinnarasi, D I George Amalarethinam. Ensuring Authentic Access in Cloud Computing: Introducing DNA-Based Encrypted Data Authentication (DEDA). Indian Journal of Science and Technology.2025.18 (39):pp.3159-3169. DOI: 10.17485/IJST/v18i39.1483	URL
300	Ravi C Butani, Nisarg K Bhatt, Neetirajsinh J Chhasatia, Rajat G Pandey. VIMANA: An Open-Source, Low-Cost Smartphone-Controlled Micro UAV Platform for Inclusive STEM/STEAM Education. Indian Journal of Science and Technology.2025.18 (39):pp.3170-3180. DOI: 10.17485/IJST/v18i39.1670	URL
301	Utkarsh Pancholi, Bhavesh Parmar, Bhavin Mehta, Harshal Patel, Mitul Patel. Review of Neuromodulation Techniques: Mechanisms, Applications and Future Directions. Indian Journal of Science and Technology.2025.18 (39):pp.3181-3197. DOI: 10.17485/IJST/v18i39.1655	URL
302	Mwblib Basumatary. MHD Flow of Cu–Al ₂ O ₃ /Water Hybrid Nanofluid past a Porous Wedge with Variable Fluid Properties and Convective Boundary Condition. Indian Journal of Science and Technology.2025.18 (40):pp.3198-3208. DOI: 10.17485/IJST/v18i40.1607	URL
303	Kinjal R Sheth, Vishal S Vora, Ravi K Sheth, Sima K Gonsai, Hardik B Tank, Dhaval N Patel, Abahy B Upadhay, Rahul M Patel, Pankaj P Prajapati. Performance Assessment of Fine-Tuned VGG16 Model on the MDRF Retouched Face Dataset. Indian Journal of Science and Technology.2025.18 (40):pp.3209-3217. DOI: 10.17485/IJST/v18i40.1522	URL
304	N J L Ramesh, K Natarajan, S Eswari. Sustainable Stabilization of Puducherry Inland Clay using Lime and Quarry Dust: Geotechnical Properties and ANN-Based Predictive Modeling. Indian Journal of Science and Technology.2025.18 (40):pp.3218-3233. DOI: 10.17485/IJST/v18i40.1532	URL
305	Anand Gautam, Narander Kumar. Fuzzy Branch and Bound Mechanism for Allocation of Resources in Cloud Computing Environment. Indian Journal of Science and Technology.2025.18 (40):pp.3234-3247. DOI: 10.17485/IJST/v18i40.762	URL
306	Sarla Verma. Indian Education in Transition: Historical Layers and the Reformist Vision of National Education Policy 2020. Indian Journal of Science and Technology.2025.18 (40):pp.3248-3259. DOI: 10.17485/IJST/v18i40.1601	URL
307	J Francis Julee Rajam, S Britto Ramesh Kumar. PAASD_HPT: Predictive Analytics for Autism Spectrum Disorder Prediction using Hyperparameter Tuning of Machine Learning Models. Indian Journal of Science and Technology.2025.18 (41):pp.3260-3269. DOI: 10.17485/IJST/v18i41.1613	URL
308	Visnu Kumar Tiwari, Zahid A. Khan, Namrata Gangil, Arshad Noor Siddiquee. Energy Efficacy of a Novel CRUM Process for Machining of Ceramic Material. Indian Journal of Science and Technology.2025.18 (41):pp.3270-3278. DOI: 10.17485/IJST/v18i41.1707	URL
309	Ashok Mastanappa, M N Chandrashekara, G B Devidas, T Sankarappa, Shrikant Biradar, Shidaling Matteppanavar, R Ramanna. Influence of AgCl Doping on Physical, Optical and Electrical Properties of Lithium-Borate Glasses. Indian Journal of Science and Technology.2025.18 (41):pp.3279-3291. DOI: 10.17485/IJST/v18i41.1582	URL
310	S Dulary, B Durga. Neuroprotective Properties of Plant-Based Secondary Metabolites: Molecular Insights into Therapeutics. Indian Journal of Science and Technology.2025.18 (41):pp.3292-3299. DOI: 10.17485/IJST/v18i41.1354	URL

311	Rintu Das, Vaskar Deka, Gom Taye. IoT Botnet Detection: A Comparative Performance Analysis of Various ML Models on IoT-23 Dataset. Indian Journal of Science and Technology.2025.18 (41):pp.3300-3318. DOI: 10.17485/IJST/v18i41.974	URL
312	Jaya Madan, Geetika Tankha. Role of Family Environment in the Internalization of Sustainable Personal Values among Young Adults. Indian Journal of Science and Technology.2025.18 (41):pp.3319-3326. DOI: 10.17485/IJST/v18i41.1517	URL
313	K Soumya, P Joseph Charles, S Kavitha. Stacked Deep Ensemble Model for Learning Disability Detection. Indian Journal of Science and Technology.2025.18 (42):pp.3327-3338. DOI: 10.17485/IJST/v18i42.1612	URL
314	Shella B Cacatian. Valorizing Bignay Fruit By-Products: Nutritional, Phytochemical, and Antioxidant Analysis for Potential Food Use. Indian Journal of Science and Technology.2025.18 (42):pp.3339-3345. DOI: 10.17485/IJST/v18i42.1677	URL
315	Blessy Jacob, Sarita Karole. QSARINS-Based Development of Predictive Models for Aryl Sulphonamide Derivatives as Dual Enzyme Inhibitors. Indian Journal of Science and Technology.2025.18 (42):pp.3346-3356. DOI: 10.17485/IJST/v18i42.1686	URL
316	Anant Patel, Neha Garg, Basant Kumar Ray. Traditional and Calibration-based Estimation of the Population Mean for Stratified Random Sampling under Non-Response. Indian Journal of Science and Technology.2025.18 (42):pp.3357-3369. DOI: 10.17485/IJST/v18i42.1366	URL
317	K Sathya, A Saraswathi. Analysis and Implementation of Academic Documents Privacy-Preserving Management Model using Dynamic VC and DID Over Hyperledger Fabric Blockchain Technology – PADV. Indian Journal of Science and Technology.2025.18 (42):pp.3370-3382. DOI: 10.17485/IJST/v18i42.1410	URL
318	Sahi Zlankeuhon Jerome, Traore Lancine, Boua Boua Benson, Mamyrbekova-Bekro Janat Akhanovna1, Bekro Yves-Alain. GC(FID) and GC–MS Composition and Mosquito-Repellent Activity of the Leaf Essential Oil of Citrus limon L. (Rutaceae) from Côte d’Ivoire. Indian Journal of Science and Technology.2025.18 (42):pp.3383-3395. DOI: 10.17485/IJST/v18i42.1696	URL
319	Mahamadou Kamagate, Traoré Lanciné, Coulibaly Gnougou Nina, Coulibaly Lacina. Synergistic Mechanisms Indigo Carmine Removal using Clay Rich Iron Coupled Ultrasound and Oxidant. Indian Journal of Science and Technology.2025.18 (43):pp.3396-3405. DOI: 10.17485/IJST/v18i43.1732	URL
320	Ahana Priyanka, A. R. Jac Fredo, Kavitha Ganesan. Brain Cerebrospinal Fluid variation in Dementia using Radiomic Features and Optimized Machine Learning Techniques. Indian Journal of Science and Technology.2025.18 (43):pp.3406-3421. DOI: 10.17485/IJST/v18i43.194	URL
321	A Angelpreethi, P Anitha, R Sivagami. FuDL-SM: A Hybrid Fuzzy Deep Learning Framework for Sentiment Analysis of Zoological and Wild Life Conservation based Social Media Data. Indian Journal of Science and Technology.2025.18 (43):pp.3396-3405. DOI: 10.17485/IJST/v18i43.1709	URL
322	Krishna Palod, Nishita Parekh, Pravin Shrinath. Problem-solving Techniques and Tools for Computer Programming at Higher Education: A Review. Indian Journal of Science and Technology.2025.18 (43):pp.3432-3444. DOI: 10.17485/IJST/v18i43.922	URL
323	Kameshwar Reddy R, Shivaprakash. Disentangling Climatic Volatility from Long-Term Productivity Trends in Semi-Arid Agriculture: An Empirical Mode Decomposition Approach. Indian Journal of Science and Technology.2025.18 (43):pp.3445-3455. DOI: 10.17485/IJST/v18i43.1671	URL
324	Sonali V. Hepat, Urvashi P. Manik. Ultrasonic Characterization on Arginine with Saline Salts (K ₂ SO ₄ , Na ₂ SO ₄ , MgSO ₄) Solution in View to Sustainable Farming. Indian Journal of Science and Technology.2025.18 (43):pp.3456-3467. DOI: 10.17485/IJST/v18i43.1408	URL
325	Jagriti Gaba, Dinkar Verma, Naresh Sharma, Shashikant Gupta. From Deflagration to Detonation: Understanding Type Ia Supernova Explosions. Indian Journal of Science and Technology.2025.18 (44):pp.3468-3479. DOI: 10.17485/IJST/v18i44.1598	URL

326	Kavita Choudhary, Gend Lal Prajapati. A Physiological Approach to Affect Recognition in Children: Insights from EDA. Indian Journal of Science and Technology.2025.18 (44):pp.3480-3487. DOI: 10.17485/IJST/v18i44.999	URL
327	P Sathya, Nivetha Martin, R Priya. A Novel Approach of Quantum based Multi-Criteria Decision Making on Sustainable Waste Management Methods. Indian Journal of Science and Technology.2025.18 (44):pp.3488-340596. DOI: 10.17485/IJST/v18i44.1428	URL
328	P Basheer, R Priya. Deep Learning Based Spatio Temporal Learning with Bio-Inspired Optimization for Smart Fertilizer Decision Making. Indian Journal of Science and Technology.2025.18 (44):pp.3497-3514. DOI: 10.17485/IJST/v18i44.1641	URL
329	C Lalruatkimi, Khumanthem Babina Devi, Nistha Khanna, Om Prakash Tripathi. Influence of Land Use Patterns on Microclimatic Variables in Dampa Tiger Reserve, Mizoram. Indian Journal of Science and Technology.2025.18 (44):pp.3515-3523. DOI: 10.17485/IJST/v18i44.1675	URL
Special Issue 1		
1	M Prashanthi, M Chandra Mohan, N Pothanna, G Ramesh Chandra. Software Defect Prediction Using Fuzzy Entropy Based Short Term Memory. Indian Journal of Science and Technology.2025.18 (SP1):pp.1-8. DOI: 10.17485/IJST/v18si1.icamada1	URL
2	B Mathura Bai, Gnanesh Pulletikurthi, Rushichandra Gannamaneni, Abhiram Janagama, Shashank Reddy Gaddam. Explainable Diabetic Retinopathy Detection For Reduced Image Size. Indian Journal of Science and Technology.2025.18 (SP1):pp.9-18. DOI: 10.17485/IJST/v18si1.icamada6	URL
3	Venu Nalla, M Anil Kumar, V Samhith, G Padmavathi. Exploring HPC and ML Techniques on Various Classical, Machine and Modern Ciphers. Indian Journal of Science and Technology.2025.18 (SP1):pp.19-27. DOI: 10.17485/IJST/v18si1.icamada16	URL
4	Ganesh Kumar Vadla, K Jhansi Lakshmi Bai, Yerram Bhanu Teja, Muvvala Thoran Chandra, Siripuram Bharath. A Methodological Approach Utilising Factor Analysis and Clustering to Evaluate the Strengths and Weaknesses of IPL Players. Indian Journal of Science and Technology.2025.18 (SP1):pp.28-36. DOI: 10.17485/IJST/v18si1.icamada21	URL
5	K V Mahalakshmi, P Vishnu, R Venkateshkumar, Harshini Raja, Kaustubh Lakshmi Narayanan. Data Analysis in Healthcare Automation Using Computer Vision. Indian Journal of Science and Technology.2025.18 (SP1):pp.37-44. DOI: 10.17485/IJST/v18si1.icamada27	URL
6	Kamala Challa, B Srivani, S Renudeepti, G Aakash. Face Mask Detection and Alerting System Using Transfer Learning. Indian Journal of Science and Technology.2025.18 (SP1):pp.45-55. DOI: 10.17485/IJST/v18si1.icamada35	URL
7	R Sudha, A Nithya. ECG Pattern Algorithms for Classification and Machine Learning To Acquire Arrhythmia Identification. Indian Journal of Science and Technology.2025.18 (SP1):pp.56-61. DOI: 10.17485/IJST/v18si1.icamada36	URL
8	Sudheer Reddy Bandi, G Merlin Linda, S Nagarjuna Chary, K Spurthy. Vehicle Detection in SAR Satellite Images Using Yolov8 Oriented Bounding Box Detection Algorithm. Indian Journal of Science and Technology.2025.18 (SP1):pp.62-71. DOI: 10.17485/IJST/v18si1.icamada38	URL
9	Sahith Battula, Nived Alla, Madipelli Sri Sai Pavan, Linganaboina Srinivasa Rao, B Chennakesava Rao. Morphological Insights of Lithium-Phosphate Nano Compounds by Data Driven Pore Analysis of SEM Images with ML Algorithms. Indian Journal of Science and Technology.2025.18 (SP1):pp.72-80. DOI: 10.17485/IJST/v18si1.icamada50	URL