

Indian Journal of Science and Technology
(Print ISSN: 0974-6846, Online ISSN: 0974-5645)
Volume 13 (2020)

S.NO	ARTICLES	URL
1	Farhan, Syed Imran Ali, Awais Khan Jumani, Muhammad Owais Khan. ERP system implementation: planning, management, and administrative issues. Indian Journal of Science and Technology. 2020; 13 (01): pp. 1-22. DOI: 10.17485/ijst/2020/v013i01/148982	URL
2	Virgilio Julius P. Manzano Jr., Amor V.M. Ines. Downscaling seasonal climate forecasts for risks management of rice production in the Philippines. Indian Journal of Science and Technology. 2020; 13 (01): pp. 23-39. DOI: 10.17485/ijst/2020/ v013i01/147074	URL
3	Arunpak Pitakpong. Effluent quality monitoring in petrol stations: Northern Thailand. Indian Journal of Science and Technology. 2020; 13 (01): pp. 40-50. DOI: 10.17485/ijst/2020/ v013i01/148626	URL
4	Jan-e-Alam Solangi. Rising tendency of journalism practised on social media sites. Indian Journal of Science and Technology. 2020; 13 (01): pp. 51-60. DOI: 10.17485/ijst/2020/ v013i01/148456	URL
5	Jhoanna B. Calubaquib. Proximate composition of fortified Filipino snacks for picky eaters. Indian Journal of Science and Technology. 2020; 13 (01): pp. 61-69. DOI: 10.17485/ijst/2020/v013i01/ 149050	URL
6	Eman M. El-Mancy. Histopathological and ultrastructural changes induced in the renal cortex of male rats by gibberellic acid Indian Journal of Science and Technology. 2020; 13 (01): pp. 70-84. DOI: 10.17485/ijst/2020/ v013i01/149213	URL
7	Anandkumar V, Kalaiarasan TR, Ratheeshkumar AM. Reliability-based heuristic-based algorithm for task execution in multiprocessor systems. Indian Journal of Science and Technology. 2020; 13 (01): pp. 85-90. DOI: 10.17485/ijst/2020/ v013i01/148732	URL
8	Najeeb Ullah, Faizullah Khan, Abdul Ali Khan, Surat Khan, Abdul Wahid Tareen, Muhammad Saeed, Akbar Khan. Optimal real-time static and dynamic air quality monitoring system. Indian Journal of Science and Technology. 2020; 13 (01): pp. 91-102. DOI: 10.17485/ijst/2020/ v013i01/148375	URL
9	Divya A Reddy, Siddharth Misra, Sindhu PJ, Shijin Premarajan, Shijo John. Is deteriorating air quality impacting stock performance in India? Air quality index predicts stock performance. Indian Journal of Science and Technology. 2020; 13(02), 103-113. DOI: 10.17485/ijst/2020/ v013i02/ 149389	URL
10	Waqas Ahmed Siddique, Muhammad Farhan Siddiqui, Awais Khan Jumani, Asad Ali Shaikh. Controlling and monitoring of industrial parameters through cloud computing and HMI using OPC data hub software. Indian Journal of Science and Technology. 2020; 13(02): pp. 114-126. DOI: 10.17	URL
11	Ishrat Afshan Abbasi, Mukesh Kumar Khatwani, Farida Yasmin Panhwar. Social costs of war against terrorism in Pakistan (2002–2012). Indian Journal of Science and Technology. 2020; 13(02): pp. 127-140. DOI: 10.17485/ijst/2020/ v013i02/146113	URL

12	Sunoj BS, Mathew Varkey TK. Linear incidence edge prime labeling – more results on path related di graphs. Indian Journal of Science and Technology. 2020; 13(02): pp. 141- 148. DOI: 10.17485/ijst/2020/ v013i02/148783	URL
13	Renuka Devi RLV, Neeraja A, Swapna Y, Nagaradhika V, Sujatha PSSR, Krishna Murthy M. Numerical study of MHD Casson liquid stream over an infinite vertical porous plate with Newtonian heating. Indian Journal of Science and Technology. 2020; 13(02): pp. 149- 160. DOI: 10.17485/ijst/2020/v013i02/147338	URL
14	Raafat Munshi. Characterization of outer membrane vesicles from Fusobacterium nucleatum Indian Journal of Science and Technology. 2020; 13(02): pp. 161-192. DOI: 10.17485/ijst/2020/ v013i02/148492	URL
15	Je-Young Choi. Capacitance of two overlapping conducting spheres. Indian Journal of Science and Technology. 2020; 13(02): pp. 193-199. DOI: 10.17485/ijst/2020/ v013i02/149355	URL
16	Jean Baptiste Bi Gouho, Sidibé Karim, Boko Aka, Michel Babri. Automatic modulation classification based on In phase quadrature diagram constellation combined with a deep learning model. Indian Journal of Science and Technology. 2020; 13(02): pp. 200- 212. DOI: 10.17485/ijst/2020/ v013i02/148648	URL
17	Dr. Sanjot S. Ninave and Dr. Bhavitha Venigalla. Pain on injection: propofol MCT vs propofol LCT. Indian Journal of Science and Technology. 2020; 13(02): pp. 213-217. DOI: 10.17485/ijst/2020/ v013i02/149259	URL
18	Shahid Ali Mahar, Mumtaz Hussain Mahar, Shahid Hussain Danwar, Javed Ahmed Mahar, Aijaz Ali Shaikh. Prosody generation using back propagation neural networks for Sindhi speech processing applications. Indian Journal of Science and Technology. 2020; 13(02): pp. 218-228. DOI: 10.17485/ijst/2020/v013i02/149356	URL
19	Juan Miguel J. Bawagan. A kidney exchange matching application using the blossom and Hungarian algorithms for pairwise and multiway matching. Indian Journal of Science and Technology. 2020; 13(02): pp. 229-247. DOI: 10.17485/ijst/2020/ v013i02/149446	URL
20	Nuha Elamin, Samani A.Talab, Ahmed Khalid. Sentiment analysis with supervised learning techniques: a survey. Indian Journal of Science and Technology. 2020; 13(03): pp. 249-268. DOI: 10.17485/ijst/2020/v013i03/148900	URL
21	Muhammad Nadeem Akhtar, Muhammad Adrees, Muhammad Mukhtar Qureshi, Zulfiqar Ali. Ethical issues of radio frequency identification chips implanted in human bodies: a review. Indian Journal of Science and Technology. 2020; 13(03): pp. 269-276. DOI: 10.17485/ijst/2020/ v013i03/147192	URL
22	Ali Moulahi, Mohamed Abdefattah Ibrahim, Issam Mjejri, Abdulhadi Hamad Al-Marri, Faouzi Sediri. Controlled hydrothermal synthesis of nano-MoO ₂ as anode for lithium ion battery. Indian Journal of Science and Technology. 2020; 13(03): pp. 277-285. DOI: 10.17485/ijst/2020/ v013i03/149476	URL

23	Dogan Ibrahim. Low-power early forest fire detection and warning system. Indian Journal of Science and Technology. 2020; 13(03): pp. 286-298. DOI: 10.17485/ijst/2020/v013i03/142755	URL
----	--	---------------------

24	Mohammad Osama Zaheer, Asif Ali Shaikh, Fozia Shaikh. Analysis of unsteady MHD thin layer flow of fourth-order fluid through a vertical belt. Indian Journal of Science and Technology. 2020; 13(03): pp. 299-315. DOI: 10.17485/ijst/2020/ v013i01/148554	URL
25	Ayush Mittal, Ravindra Kumar Gupta. A cryptographic technique involving finite fields and logical operators Indian Journal of Science and Technology. 2020; 13(03): pp. 316- 328. DOI: 10.17485/ijst/2020/ v013i01/148904	URL
26	Abdulnoor A.J. Ghanim. Modeling rainfall runoff relations at arid catchments using conceptual hydrological modeling approach. Indian Journal of Science and Technology. 2020; 13 (03): pp. 329-339. DOI: 10.17485/ijst/2020/ v013i01/121966	URL
27	Syafuruddin Side, Muhammad Isbar Pratama, Nasiah Badwi, Wahidah Sanusi. Analysis and simulation of SIRI model for dengue fever transmission. Indian Journal of Science and Technology. 2020; 13(03): pp. 340-351. DOI: 10.17485/ijst/2020/ v013i03/147852	URL
28	Ioana Stanciu. Viscosity index for oil used as biodegradable lubricant. Indian Journal of Science and Technology. 2020; 13(03): pp. 352-359. DOI: 10.17485/ijst/2020/v013i03/147759	URL
29	Anum Mehmood, Arif Hussain Kaleri, Asif Ali Kaleri, Mir Muhammad Nizamani, Aamir Ali Khokhar, Saqib Ali Nawaz, Raza Ahmad, Uzair Aslam Bhatti, Feroz Gul Nizamani, Raza Ali Rind and Muhammad Uzair Khokhar. Sleep quality and mental disorders and related factors in Pakistan. Indian Journal of Science and Technology. 2020; 13(03): pp. 360-370. DOI: 10.17485/ijst/2020/ v013i03/149587	URL
30	Ramalakshmi V, Vivek Kumar Pathak, Fahis US, Felix Shaji. Precedence of work environment factors influencing employee performance: a RIDIT approach. Indian Journal of Science and Technology. 2020; 13(04): pp. 371-383. DOI: 10.17485/ijst/2020/v013i04/149814	URL
31	Government Rabboni Mike, Thaddaeus Julius, Thompson Edozie Okeke, Ani Amechi Kingsley and Apake Damina Daniel. Optimizing the Cellulose Content of Shea Butter Bark Wood Fibre through Alkali Pretreatment for Composite Application. Indian Journal of Science and Technology. 2020; 13(04): pp. 384-399. DOI: 10.17485/ijst/2020/ v013i04/147288	URL
32	Zeinab Ahmed Abu Sabeib, Samira Ahmed Alsenany. Comparison of breastfeeding knowledge before and after studying obstetric course at nursing college. Indian Journal of Science and Technology. 2020; 13(04): pp. 400-404. DOI: 10.17485/ijst/2020/ v013i04/149141	URL
33	Mohammad Abedrabbu Alkhalwaldeh, Mohamad Ahmad Saleem Khasawneh. The impact of using an infographic-based training program on improving visual motor memory among EFL students. Indian Journal of Science and Technology. 2020; 13 (04): pp. 405-416. DOI: 10.17485/ijst/2020/v013i01/148906	URL
34	Rasha H. Ibrahim, Abdul-Rahman H. Saleh. Improvement of the accuracy of the perturbed orbital elements for LEO satellite by improving 4th order Runge-Kutta's method. Indian Journal of Science and Technology. 2020; 13(04): pp. 417-429. DOI:	URL

	10.17485/ijst/2020/v013i04/148503	
--	-----------------------------------	--

35	Liaqat Ali, M. Aslam, Yaqoub Ahmed Khan. On Jordan ideals of inverse semirings with involution. Indian Journal of Science and Technology. 2020; 13(04): pp. 430-438. DOI: 10.17485/ijst/2020/ v013i04/149311	URL
36	Muzamil Hussain Solangi, Mukhtiar Ahmed Mahar, Abdul Sattar Larik, Mohsin Raza Mahessar. Design a perturb & observe MPPT algorithm for PV system based asymmetric cascaded half bridge multilevel inverter. Indian Journal of Science and Technology. 2020; 13(04): pp. 439-452. DOI: 10.17485/ijst/2020/ v013i04/149530	URL
37	Ilankannan S, Francis R. Performance of eight switches based unified power quality conditioner for enhancing the quality of power using intelligent controller. Indian Journal of Science and Technology. 2020; 13(04): pp. 453-459. DOI: 10.17485/ijst/2020/v013i04/149592	URL
38	Veero Mal Bheel, Asif Ali Shaikh, Ashfaque Ahmed Memon, Sher Khan Awan, Mashoq Ali Talpoor. Development of inverse mathematical model of Rouse formula to estimate suspended sediment concentration along width of channel. Indian Journal of Science and Technology. 2020; 13(04): pp. 460-474. DOI: 10.17485/ijst/2020/ v013i04/149629	URL
39	Sujatha Ramesh, Natarajan K. Big data for educational applications in the urban Indian context. Indian Journal of Science and Technology. 2020; 13(04): pp. 475-485. DOI: 10.17485/ijst/2020/ v013i04/149851	URL
40	Farhad Hekmatipour, Milad Jalali. The effectiveness of proper oleation features of instant and incremental oleation on serum sodium and potassium in healthy volunteers – a pilot study. Indian Journal of Science and Technology. 2020; 13(05), 487-492. DOI: 10.17485/ijst/2020/v013i05/148085	URL
41	Rafael J. Padre, Ferdinand Ganotice, Herbert Imatong, Kristine S. Pascual, Manuel Jose C.J. Regalado. Performance and energy efficiency of new rice varieties under aerobic growing conditions, different tillage and direct seeding methods in Kalinga, Philippines. Indian Journal of Science and Technology. 2020; 13(05): pp. 493-501. DOI: 10.17485/ijst/2020/ v013i05/144621	URL
42	Ononogbo C, Nwufu OC, Okoronkwo CA, Ogueke NV, Igbokwe JO, Anyanwu EE. Equipment sizing and method for the application of exhaust gas waste heat to food crops drying using a hot air tray dryer. Indian Journal of Science and Technology. 2020; 13(05): pp. 502-518. DOI: 10.17485/ijst/2020/ v013i05/145593	URL
43	Wafo Tapche R, Kengne J, Njitacke ZT, Pelap FB. Uncertain destination of a 4D autonomous system with five line equilibria. Indian Journal of Science and Technology. 2020; 13(05): pp. 519-538. DOI: 10.17485/ijst/2020/v013i05/145641	URL
44	Alaeldin Muhammad Tairab, Wei Liu, Ateeq Ur Rehman, Inam Ullah. Performance analysis of borehole U-tube heat exchanger based on TRNSYS software. Indian Journal of Science and Technology. 2020; 13(05): pp. 539-551. DOI: 10.17485/ijst/2020/ v013i05/148618	URL

45	Muhammad Owais Khan, Awais Khan Jumani, Farhan, Waqas Ahmed Siddique and Asad Ali Shaikh. Fast delivery, continuously build, testing and deployment with DevOps pipeline techniques on cloud. Indian Journal of Science and Technology. 2020; 13(05): pp. 552-575. DOI: 10.17485/ijst/2020/v013i05/148983	URL
46	Riomar Obliopas, Felix Afable, Janette Rivera. Cognitive empathy and leadership performance of middle level educational managers in a state university. Indian Journal of Science and Technology. 2020; 13(05): pp. 576-586. DOI: 10.17485/ijst/2020/v013i05/149372	URL
47	Farhad Hekmatipour, Milad Jalali, Ali Maroufi and Farzad Hekmatipour. Energetic and exergetic analysis of the lowtemperature heating system in a model library of Tehran. Indian Journal of Science and Technology. 2020; 13(05): pp. 587-596. DOI:10.17485/ijst/2020/ v013i05/147820	URL
48	Devi Priya A, Brindha D, Rexie JAM, Ranjeethapriya K, Granty Regina Elwin J. IOT based cardiac rhythm monitoring system using geolocation and automation. Indian Journal of Science and Technology. 2020; 13(05): pp. 597-605. DOI: 10.17485/ijst/2020/v013i05/148671	URL
49	Asaf Nawaz Khan, Naraindas Bheel, Masroor Ahmed, Rameez Ali Abbasi, Samiullah Sohu. Use of styrene butadiene rubber (SBR) polymer in cement concrete. Indian Journal of Science and Technology. 2020; 13(05): pp. 606-616. DOI: 10.17485/ijst/2020/v013i05/148936	URL
50	Abdul Mannan, Safdar Abbas Zaidi, Muhammad Arsalan Saeed, Farhan Haider. Influence of infill masonry on a building frame under seismic loadings and its hazards vulnerability assessment. Indian Journal of Science and Technology. 2020; 13(06): pp. 617- 629. DOI: 10.17485/ijst/2020/ v013i06/149873	URL
51	Mohsin Raza Mahesar, Mukhtiar Ahmed Mahar, Abdul Sattar Larik and Muzamil Hussain Solangi. Comparative analysis of three phase single active bridge DC-DC converter with different mode of conduction with transformer vector groups. Indian Journal of Science and Technology. 2020; 13(06): pp. 630-645. DOI:	URL
52	Eva Palada, Ernesto Alde, Ruel Delantar. Effect of training on knowledge level of farmers about commercial poultry and table egg production. Indian Journal of Science and Technology. 2020; 13(06): pp. 646-653. DOI: 10.17485/ijst/2020/v013i06/148985	URL
53	Michelle Bao-Torayno, Love Jhoye M. Raboy, Consorcio S. Namoco Jr. A text clustering preprocessing technique for mixed Bisaya and English short message service (SMS) messages for higher education institutions (HEI) enrolment-related inquiries. Indian Journal of Science and Technology. 2020; 13(06): pp. 654-673. DOI: 10.17485/ijst/2020/v013i06/149363	URL
54	Kalaiselvi N, Madhu KU. Synthesis, morphological and elemental analysis of pure and tin doped chromium oxide nanoparticles. Indian Journal of Science and Technology. 2020; 13(06): pp. 674-685. DOI: 10.17485/ijst/2020/v013i06/149428	URL

55	Amal Prakash K, Krishnarani SD. A study of the impact of recent floods on the micro, small and medium business enterprises of Kerala. Indian Journal of Science and Technology. 2020; 13(06): pp. 686-695. DOI: 10.17485/ijst/2020/v013i06/149831	URL
56	Fredy Humberto Troncoso Espinosa. Prediction of recidivism in thefts and burglaries using machine learning. Indian Journal of Science and Technology. 2020; 13(06): pp. 696- 711. DOI: 10.17485/ijst/2020/ v013i06/149853	URL
57	Gayatri Tiwari, Ram Chandra Singh Chauhan. A review on inter-satellite links free space optical communication. Indian Journal of Science and Technology. 2020; 13(06): pp. 712-724. DOI: 10.17485/ijst/2020/ v013i06/147998	URL
58	Naqeeb Ullah, Muhammad Shakeel Akram, Hameed Ullah Buzdar, Atiq Ur Rehman, Muhammad Abbas Khan, Saifullah Khan. ZigBee-based parameter monitoring and controlling scheme for multiple DC motors. Indian Journal of Science and Technology. 2020; 13(06): pp. 725-734. DOI: 10.17485/ijst/2020/ v013i06/149098	URL
59	maheswari S, Arunesh K. Refined fault detection technique in wireless sensor networks. Indian Journal of Science and Technology. 2020; 13(06): pp. 735-741. DOI: 10.17485/ijst/2020/v013i06/000000	URL
60	Josephine C. Marasigan. Validating and utilizing an Outcomes-Based Education (OBE) student teaching manual in a State University in the Philippines. Indian Journal of Science and Technology. 2020; 13(07): pp. 743-755. DOI: 10.17485/ijst/2020/ v013i07/148722	URL
61	Vaishali H. Gaikwad, Kailash R. Borude, B.C. Khade, Vaibhav B. Sabale. Molecular docking study of biologically active ligand and the insights of synthesis, characterization and in vitro studies of derivatives of β -tubulin polymerization inhibitor as antigout agent. Indian Journal of Science and Technology. 2020; 13(07): pp. 756-766. DOI: 10.17485/ijst/2020/ v013i07/149615	URL
62	Mahmoud Mostafa. Bit coin's block chain peerto-peer network security attacks and countermeasures. Indian Journal of Science and Technology. 2020; 13(07): pp. 767-786. DOI: 10.17485/ijst/2020/ v013i07/149691	URL
63	Hussein Jassem Mohammed, Abdul-Kareem Mahdi Salih. Simulation of the effect of the detuning in the performance of the two-level system. Indian Journal of Science and Technology. 2020; 13(07): pp. 787-798. DOI: 10.17485/ijst/2020/ v013i07/149792	URL
64	Nashwa Fawzy Abd El Moez Azzam. Antibacterial effect of Eucalyptus essential oil. Indian Journal of Science and Technology. 2020; 13(07): pp. 799-804. DOI: 10.17485/ijst/2020/ v013i07/149824	URL
65	Sujitha R, Seenivasagam V. Extraction with map-reduce framework and correlation- based feature selection in lung cancer towards big data. Indian Journal of Science and Technology. 2020; 13(07): pp. 805-816. DOI: 10.17485/ijst/2020/ v013i07/149846	URL

66	Gemma V. Espí-López, Lucas Monzani, Rosario Zurriaga, Pierre-Michel Dugailly, Teófila Vicente-Herrero M, Lars L. Andersen. Cross-cultural adaptation of the body satisfaction and global self perception questionnaire for subjects with non-specific musculoskeletal disorders. Indian Journal of Science and Technology. 2020; 13(07): pp. 817-831. DOI: 10.17485/ijst/2020/v013i07/149850	URL
----	--	---------------------

67	Santosh Kumar, Priscilla C, Sreejith Parameswaran, Deepak Gopal Shewade, Rajan Sundaram, Rajesh Nachiappa Ganesh. Urinary citrate: a potential biomarker for IgA nephropathy. Indian Journal of Science and Technology. 2020; 13(07): pp. 832-839. DOI:10.17485/ijst/2020/ v013i07/149871	URL
68	Nur Fitriani UA, Muhammad Yusuf, Pirman. Evaluation of physicochemical properties and sensory products of cocoa liquor and dark chocolate high polyphenols and flavanoids. Indian Journal of Science and Technology. 2020; 13(07): pp. 840-859. DOI:10.17485/ijst/2020/v013i07/149883	URL
69	Onuekwusi Nnaemeka C, Nwabude Geraldine C, Okozi Samuel O, Ezema Longinus S. An integrated presence detection sensor and android mobile application system for energy management and control. Indian Journal of Science and Technology. 2020; 13(07): pp. 860-869. DOI: 10.17485/ijst/2020/ v013i07/149822	URL
70	Deepa PK, Subramanian A, Manjusha WA. Determination of in vitro antiinflammatory activity of marine microalgae: Nannochloropsis sp. Indian Journal of Science and Technology. 2020; 13(08): pp. 871-882. DOI: 10.17485/ijst/2020/ v013i08/149758	URL
71	Nagat Mohamed Marie Younis. Big data and the future of the accounting profession. Indian Journal of Science and Technology. 2020; 13(08): pp. 883-892. DOI:10.17485/ijst/2020/ v013i08/149808	URL
72	Kebebew Ababu Yitayih. Adaptive group-based QoS aware link state proactive multipath routing for large-scale MANETs (GMP-OLSR). Indian Journal of Science and Technology. 2020; 13(08): pp. 893-906. DOI: 10.17485/ijst/2020/ v013i08/149813	URL
73	Ashok Singh, Samir Thakur, Nirab C. Adhikary. Long-term rainfall data analysis of the major Stations of Brahmaputra plain in northeast region of India. Indian Journal of Science and Technology. 2020; 13(08): pp. 907-920. DOI: 10.17485/ijst/2020/ v013i08/149815	URL
74	Anil Kumar Sisodia, Ram Kumar Mathur. Performance analysis of photovoltaic module by dust deposition in Western Rajasthan. Indian Journal of Science and Technology. 2020; 13(08): pp. 921-933. DOI: 10.17485/ijst/2020/ v013i08/149928	URL
75	Fitria Hidayanti. Design an internet of things simulator of fluid volume monitoring system for petrol station underground tank. Indian Journal of Science and Technology. 2020; 13(08): pp. 934-940. DOI: 10.17485/ijst/2020/ v013i08/149931	URL
76	Ali Örnek, Şakir Esnaf. Revenue management focused capacitated vehicle routing model in supply chain management. Indian Journal of Science and Technology. 2020; 13(08): pp. 941-953. DOI: 10.17485/ijst/2020/ v013i08/149943	URL
77	Munwar Ayaz Memon, Ghullam Mustafa Bhutto. Effect of optimum sized solar PV inverter on energy injected to AC grid and energy loss in Pakistan. Indian Journal of Science and Technology. 2020; 13(08): pp. 954-965. DOI: 10.17485/ijst/2020/v013i08/149950	URL
78	Muhammad Usman Saeed, Taimoor Ul Hassan. Relationship among the attributes of world countries and their coverage in tweets of international news agencies: 2010–2016. Indian Journal of Science and Technology. 2020; 13(08): pp. 966-982. DOI: 10.17485/ijst/2020/ v013i08/149958	URL

79	Nicole Tatiana Camargo-Uricoechea, Daniela Catalina Moreno-Salas, Virginia Roa- Angulo. Isolation, Identification and preserval of filamentous fungi found at soils of Viotá, Cundinamarca. Indian Journal of Science and Technology. 2020; 13(08): pp. 983-1001. DOI: 10.17485/ijst/2020/ v013i08/146345	URL
80	Melford C. Egbujor, Uchechukwu C. Okoro, Sunday N. Okafor. Novel alanine-based antimicrobial and antioxidant agents: synthesis and molecular docking. Indian Journal of Science and Technology. 2020; 13(09): pp. 1003-1014. DOI: 10.17485/ijst/2020/ v013i09/146687	URL
81	Tarnima Warda Andalib, Hasliza Abdul Halim. A conceptual model to resolve frustration of employees in the SMEs of Bangladesh. Indian Journal of Science and Technology. 2020; 13(09): pp. 1015-1026. DOI: 10.17485/ijst/2020/ v013i09/147200	URL
82	Jaspreet Singh, Sanjeev Saini. Analysis of surface characteristics for Al-SiC metal matrix composites machined by wire electrical discharge machining (WEDM). Indian Journal of Science and Technology. 2020; 13(09): pp. 1027-1034. DOI: 10.17485/ijst/2020/ v013i09/148091	URL
83	Tules P. Banwa, Maria Cyrila Bawer, Joy Grace P. Potential of rice culture starter (RCS) for pre-fermenting parboiled rice bran (PRB) through solid-state fermentation (SSF). Indian Journal of Science and Technology. 2020; 13(09): pp. 1035-1045. DOI: 10.17485/ijst/2020/v013i09/148117	URL
84	Abdulaziz Shehab, Kamal Al dayah, Ibrahim Elhenway. A drugs classifier system based on machine learning algorithms. Indian Journal of Science and Technology. 2020; 13(09): pp. 1046-1056. DOI: 10.17485/ijst/2020/v013i09/148136	URL
85	Muhammad Farhan Siddiqui, Waqas Ahmed Siddique, Mushtaq Ahmed, Awais Khan Jumani. Face detection and recognition system for enhancing security measures using artificial intelligence system. Indian Journal of Science and Technology. 2020; 13(09): pp. 1057-1064. DOI: 10.17485/ijst/2020/ v013i09/149298	URL
86	Ankit Kharadi, Komal Chaudhary, Falguni Patel. Optimization of alkaline protease production by Solibacillus silvestris, isolated from Gir region of Gujarat. Indian Journal of Science and Technology. 2020; 13(09): pp. 1065-1077. DOI: 10.17485/ijst/2020/v013i09/149812	URL
87	Santosh Kumar, Priscilla C, Sreejith Parameswaran, Deepak Gopal Shewade, Charan Goud A, Rajesh Nachiappa Ganesh. Mean expression value normalized and absolute quantified miR-21 found to be a potential diagnostic and prognostic marker for IgA nephropathy. Indian Journal of Science and Technology. 2020; 13(09): pp. 1078-1088. DOI: 10.17485/ijst/2020/ v013i09/149977	URL
88	Eram Gilani, Mukhtiar Ali Soomro, Tariq Ali, Aqeel Ahmed Sahito, Abdul Salam Buller. Effect of stress relief on pile capacity in soft clay. Indian Journal of Science and Technology. 2020; 13(09): pp. 1089-1097. DOI: 10.17485/ijst/2020/v013i09/150004	URL

89	Joarth B. Sabulao, Joyce M. Magtolis, Catalina A. Capanang, Daisy E. Ingente, Mark Wendolf E. Paa, Ronaldo C. Hitois Jr., John Alvin Mabag, Cyra C. Raga. A Preliminary survey of beach forest species in Guiuan Eastern Samar, Philippines: an ethnobotanical study. Indian Journal of Science and Technology. 2020; 13(09): pp. 1098- 1106. DOI: 10.17485/ijst/2020/v013i09/149706	URL
90	Muthukrishnaveni M. Polaizability and susceptibility in the valley orbit split states in an intense field. Indian Journal of Science and Technology. 2020; 13(10): pp. 1107-1115. DOI: 10.17485/ijst/2020/ v013i10/142485	URL
91	Julieth GallegoVillalobos, Mónica Andrea CastilloAguilar. Water quality of El Santuario stream (Tausa-Cundinamarca) from aquatic macro invertebrates and physicochemical parameters. Indian Journal of Science and Technology. 2020; 13(10): pp. 1116-1123. DOI: 10.17485/ ijst/2020/v013i10/146318	URL
92	M.A. Bawallah, M.O. Ofomola, S.O. Ilugbo, A.O. Aina, S.O. Olaogun, K.O. Olayiwola and D.R. Awoniran. Effect of Lineament and drainage orientation on groundwater potential of Moro Area Central Kwara State Nigeria. Indian Journal of Science and Technology. 2020; 13(10): pp. 1124-1134. DOI: 10.17485/ijst/2020/ v013i10/147567	URL
93	Mohammed Alghobiri, Osman A. Nasr. An assistive examination processing system based on course objectives using a binary approach algorithm. Indian Journal of Science and Technology. 2020; 13(10): pp. 1135-1147. DOI: 10.17485/ijst/2020/ v013i10/149653	URL
94	Saifullah Bhutto, Abdul Rehman Kaloi, Hameedullah Bhutto. Is Islam against science & technology? Indian Journal of Science and Technology. 2020; 13(10): pp. 1148-1159. DOI: 10.17485/ijst/2020/ v013i10/149741	URL
95	Nguyen Van Truong, Nguyen Xuan Hoai. A novel negative selection algorithm with optimal worst-case training time complexity for r-chunk detectors. Indian Journal of Science and Technology. 2020; 13(10): pp. 1160-1171. DOI: 10.17485/ijst/2020/v013i10/149803	URL
96	Redouane Mghaiouini, AbderrazzakGraich, Anis Elaoud, Toufik Garmim, M.E. Belghiti, Nisrine Benzbiria, Mahmoud Hozayn, Mohamade Monkade, Abdeslam El Bouari. Formulation and physicommechanical characterization of an ecomortar composite based on bottom ash and magnetized water. Indian Journal of Science and Technology. 2020; 13(10): pp. 1172-1187. DOI: 10.17485/ijst/2020/ v013i10/149889	URL
97	Tupe DH, Dahake AG, Gandhe GR. Static examination of simply supported laminated composite beam with varying load using trigonometric shear deformation theory. Indian Journal of Science and Technology. 2020; 13(10): pp. 1188-1199. DOI: 10.17485/ijst/2020/ v013i10/149907	URL
98	Nguyen Duc Huy, Le My Tieu Ngoc, Nguyen Hoang Loc, Tran Thuy Lan, Hoang Tan Quang, Tran Quoc Dung, Truong Thi Phuong Lan, Vu Duc Hoang, Nguyen Thi Dong Phuong. Isolation of Weissella cibaria from Pacific white shrimp (Litopenaeus vannamei) gastrointestinal Tract and evaluation of its pathogenic bacterial inhibition. Indian Journal of Science and Technology. 2020; 13(10): pp. 1200-1212. DOI: 10.17485/ijst/2020/ v013i10/149934	URL

99	Abdelhady Naguib. Multilateration localization for wireless sensor networks. Indian Journal of Science and Technology. 2020; 13(10): pp. 1213-1223. DOI: 10.17485/ijst/2020/ v013i10/150005	URL
100	Poodipeddi Krishna Kiran, Maganti Pramila Devi. Effect of air cushion seating in passenger car on different road conditions. Indian Journal of Science and Technology. 2020; 13(10): pp. 1224-1231. DOI: 10.17485/ijst/2020/v013i10/150099	URL
101	Jebali N, Gharsallah A, Ribero JM Textile Ultra-Wide Band Antenna With X Band For Breast Cancer Detection. Indian Journal of Science and Technology 13(11): 1232- 1242. httpsdoi.org/ 10.17485/ijst/v13i11.150103_2020	URL
102	Kumar R, Mahar MA, Jumani S, Bhanbro R, Qazi F, Ibupoto M, Soomro F, Memon KH Biodiversity of Amphibians in Pakistan, causes of their decline and their conservation. Indian Journal of Science and Technology 13(11): 1243-1247. httpsdoi.org/ 10.17485/IJST/v13i11.149583_2020	URL
103	Tupas FP, Matsuura T Integrating arts in the basic science curriculum: in the context of local marine resources in the Visayan sea. Indian Journal of Science and Technology 13(11): 1248-1258. httpsdoi.org/ 10.17485/IJST/v13i11.149967_2020	URL
104	Junejo I, Kazi AS, Soomro M, Siddique M, Juman SN, Shaikh SH Website content and consumer buying behavior: The mediating role of electronic word-of-mouth . Indian Journal of Science and Technology 13(11): 1259-1264. httpsdoi.org/ 10.17485/IJST/v13i11.46	URL
105	Vaghela P, Jarullah B Prevalence of comorbid conditions in rheumatoid arthritic patients diagnosed at a rheumatology clinic at a tertiary care hospital of western India. Indian Journal of Science and Technology 13(11): 1265-1269. https://doi.org/10.17485/IJST/v13i11.139	URL
106	Rekha JU Instant fuzzy search using probabilistic-correlation based ranking. Indian Journal of Science and Technology 13(11): 1270-1275. httpsdoi.org/10.17485/IJST/v13i11.2020-32	URL
107	Rekha JU, Chatrapati KS Probabilistic multiple correlation based term weighting scheme for measuring similarity of unstructured text records. Indian Journal of Science and Technology 13(11): 1276-1282. httpsdoi.org/ 10.17485/IJST/v13i11.2020-31	URL
108	Masood T, Mehraj J, Guriro S, Shaikh MA Factors affecting full immunization coverage among children aged 12-23 months in urban and rural areas of Sindh. Indian Journal of Science and Technology 13(12): 1283-1292. https://doi.org/10.17485/IJST/v13i12.149859	URL
109	Aslam S, Hayat N, Ali A Hybrid warfare and social media: need and scope of digital literacy. Indian Journal of Science and Technology 13(12): 1293-1299. httpsdoi.org/ 10.17485/IJST/v13i12.43	URL
110	Nguyen QV, Vu AT Determination of trace Cadmium in water and fish species from estuaries in Tien Hai, Thai Binh, Vietnam By GF-AAS . Indian Journal of Science and Technology 13(12): 1300-1309. httpsdoi.org/ 10.17485/IJST/v13i12.56	URL

111	Jasmine P, Robin PSV Water quality index of Aedes aegypti (L) breeding sites in southern coastal areas of India. Indian Journal of Science and Technology 13(12):1310-1315. httpsdoi.org/ 10.17485/IJST/v13i12.87	URL
112	Sivaswamy S, Sambandan S, Puttusamy N, Ramasamy P, Surianarayanan M, Saidam SR Urinary 1-Hydroxypyrene levels among children with asthma in Chennai, South India. Indian Journal of Science and Technology 13(12): 1316-1320. httpsdoi.org/ 10.17485/IJST/v13i12.138	URL
113	Adenuga KI, Iahad NA, Miskon S Telemedicine system: service adoption and implementation issues in Nigeria. Indian Journal of Science and Technology 13(12): 1321-1327. https doi.org/10.17485/IJST/v13i12.180	URL
114	Humayun M Blockchain-Based secure framework for e-learning during COVID-19. Indian Journal of Science and Technology 13(12): 1328-1341. https doi.org/10.17485/IJST/v13i12.152	URL
115	Sivaswamy S, Sambandan S, Ramasamy P, Surianarayanan M Prevalence and risk factors associated with wheezing among children and adolescents from Chennai, South India. Indian Journal of Science and Technology 13(12): 1342-1346. httpsdoi.org/ 10.17485/IJST/v13i12.259	URL
116	Sowparnika GC, Thirumarimurugan M, Vinoth N Modeling and optimized controller for cardiac drug infusion system. Indian Journal of Science and Technology 13(12): 1347-1354. https doi.org/10.17485/IJST/v13i12.75	URL
117	Aswatha R, Seethalakshmi V, Murugan K, Sathishkumar N, Reethika A, Gunanandhini S Implementation of cooperative spectrum sensing using cognitive radio testbed. Indian Journal of Science and Technology 13(13): 1355-1366. httpsdoi.org/. 10.17485/IJST/v13i13.94	URL
118	Supro IA, Mahar JA, Mahar SA Rice yield prediction and optimization using association rules and neural network methods to enhance agribusiness . Indian Journal of Science and Technology 13(13): 1367-1379. httpsdoi.org/ 10.17485/IJST/v13i13.79	URL
119	Tupas FP Up close and personal: An expedition to the last frontier of Sara, Western Philippines. Indian Journal of Science and Technology 13(13): 1380-1389. https doi.org/10.17485/IJST/v13i13.44	URL
120	Kehar A, Arain RH, Shaikh RA Deciphering complex text-based CAPTCHAs with deep learning. Indian Journal of Science and Technology 13(13): 1390-1400. httpsdoi.org/ 10.17485/IJST/v13i13.126	URL
121	Kumar K, Wagan AA, Khuhro MA, Umrani A, Chhajro A, Hafeez A, Laghari AA Texture based FACE recognition using GLCM and LBP schemes. Indian Journal of Science and Technology 13(13): 1401-1411. httpsdoi.org/ 10.17485/IJST/v13i13.118	URL
122	Quang HT, Lan TT, Hai TTH, Yen PTH, Van TQK, Tung HT, Binh MN, Son NKH, Linh NQ, Tram NDQ Genetic diversity and toxic genes analysis of vibrio spp. isolated from white leg shrimp and marine fishes cultured in Tam Giang lagoon in Thua Thien Hue province, Vietnam. Indian Journal of Science and Technology 13(13): 1412-1422. httpsdoi.org/ 10.17485/IJST/v13i13.161	URL

123	Panhwar MA, Khuhro SA, Mazhar T, Liang DZ, Bilal MEA, Qadir N Virtual machine optimization to achieve energy efficient optimum resource utilization in cloud data center. Indian Journal of Science and Technology 13(13): 1423-1434. httpsdoi.org/ 10.17485/IJST/v13i13.211	URL
124	Singh Chauhan I, Chauhan TS D-homothetic deformation of an η -Einstein Para-Sasakian manifold. Indian Journal of Science and Technology 13(13): 1435-1439. https doi.org/10.17485/IJST/v13i13.198	URL
125	Danish P, Ashraf PM, Ganesh S, J AJ, Sein W Performance evaluation of students using online courses. Indian Journal of Science and Technology 13(13): 1440- 1449. httpsdoi.org/ 10.17485/IJST/v13i13.307	URL
126	Rekha JU, Chatrapati KS Competitive equilibrium based personal data market model. Indian Journal of Science and Technology 13(13): 1450-1457. https://doi.org/10.17485/IJST/v13i13.267	URL
127	Javed MA, Malik MA Properties of circuits in coset diagrams by modular group. Indian Journal of Science and Technology 13(14): 1458-1469. httpsdoi.org/10.17485/IJST/v13i14.7	URL
128	Nigam J, Kumar P, Singh PP, Silambarasan NS, Navitha S Evaluation and validation of the machine performance check application for TrueBeam 2.5 Linac. Indian Journal of Science and Technology 13(14): 1470-1475. https doi.org/10.17485/IJST/v13i14.186	URL
129	Mukherjee A, Mondal P, Babu SPS Nematode extract-induced resistance in tomato against <i>Meloidogyne incognita</i> . Indian Journal of Science and Technology 13(14): 1476-1479. https doi.org/10.17485/IJST/v13i14.234	URL
130	Sahu D, Panda NR Synthesis of Cerium doped Zinc oxide nanoparticles by aqueous precipitation method and study on the structural and optical properties. Indian Journal of Science and Technology 13(14): 1480-1485. https doi.org/10.17485/IJST/v13i14.337	URL
131	AlBadri H, Badawood A Based model: Using knowledge management to enhance information technology training outcomes among markets requirements. Indian Journal of Science and Technology 13(14): 1486-1492. httpsdoi.org/ 10.17485/IJST/v13i14.119	URL
132	Almazzomi NK, Alhassan I Usability of online courses registration systems: empirical study from Saudi Arabia on ODUS plus. Indian Journal of Science and Technology 13(14): 1493-1504. https doi.org/10.17485/IJST/v13i14.155	URL
133	Chohan M, Memon M, Rajpar I, Khooharo AA, Kumbhar MI, Kakar H Arsenic transport in canal water and across rice fields in district Badin. Indian Journal of Science and Technology 13(14): 1505-1511. httpsdoi.org/ 10.17485/IJST/v13i14.149130	URL
134	Moghimi SM, Dashti R, Bostani A Studying the challenges and obstacles of the privatization of electricity distribution companies. Indian Journal of Science and Technology 13(14): 1512-1522. httpsdoi.org/ 10.17485/IJST/v13i14.121113_492	URL

135	Sathyapriya S, Anitha D Dynamic mutation based glowworm swarm optimization with long short-term memory approaches for thyroid nodule classification. Indian Journal of Science and Technology 13(14): 1523-1534. httpsdoi.org/ 10.17485/IJST/v13i14.38	URL
136	Hassan Jawad Soomro ¹ , Ghulam Akbar Khaskheli ¹ , Awais Khan Jumani, Akhtiar Hussain Shar. Intervening analysis of internet marketing between the relationship of brand awareness and online purchase decision of mobile products among the students of Heis in Pakistan. Indian Journal of Science and Technology. 2020; 13(14): pp.1535-1545. DOI:10.17485/IJST/v13i15.39	URL
137	Salama MA, Salama MHM Environmental impact assessment and statistical analysis of natural radioactivity and heavy metals of tap water in eastern Nile delta area, Egypt. Indian Journal of Science and Technology 13(15): 1546-1554. httpsdoi.org/ 10.17485/IJST/v13i15.149994	URL
138	Ani KA, Thompson OE, Mike GR Kinetics of crude oil degradation by an indigenous mixed culture isolated from palm oil mill effluent. Indian Journal of Science and Technology 13(15): 1555-1562. httpsdoi.org/ 10.17485/IJST/v13i15.171	URL
139	Abbas I, Ahmad M, Sarfraz HS, Nadeem M, Subhan R Efficient and robust security implementation in a smart home using the internet of things. Indian Journal of Science and Technology 13(15): 1563-1569. httpsdoi.org/ 10.17485/IJST/v13i15.9	URL
140	Abbas I, Iqbal H, Ahmad M, Naveed A, Qudoos B Comparative study of technologies and intelligent train ticketing system. Indian Journal of Science and Technology 13(15): 1570-1579. httpsdoi.org/10.17485/IJST/v13i15.13	URL
141	Singh VK, Srivastava S, Vibhu I Study of transmittance spectra for quaternary periodic structure of 1D photonic crystal for s-wave filter. Indian Journal of Science and Technology 13(15): 1580-1588. httpsdoi.org/ 10.17485/IJST/v13i15.24	URL
142	Shukla V, Patel J, Bhutadiya L, Vora J, Jadav J Photocatalytic decolorization of mercuric picrate in the presence of zinc oxide. Indian Journal of Science and Technology 13(15): 1589-1595. httpsdoi.org/ 10.17485/IJST/v13i15.134	URL
143	Taha FF, Hatem WA, Jasim NA Adoption of BIM technology to develop sustainable buildings in the Iraqi construction sector. Indian Journal of Science and Technology 13(15): 1596-1606. httpsdoi.org/10.17485/IJST/v13i15.223	URL
144	Din BM, Din RM, Shafqat M, Tabassum Y, Ali S A performance analysis about running sequence on male and female 60m hurdles. Indian Journal of Science and Technology 13(15): 1607-1611. httpsdoi.org/ 10.17485/IJST/v13i15.244	URL
145	Khan MA, Khan DMZ, Bazai SE, Ahmed SO, Khan H, Ejaz N, ullah N Motion based smart assistant for visually impaired people. Indian Journal of Science and Technology 13(16): 1612-1618. httpsdoi.org/10.17485/IJST/v13i16.18	URL

146	R V, A M, S V, R P Unsupervised ISODATA algorithm classification used in the landsat image for predicting the expansion of Salem urban, Tamil Nadu. Indian Journal of Science and Technology 13(16): 1619-1629. httpsdoi.org/10.17485/IJST/v13i16.271	URL
-----	--	---------------------

147	Arohan R, Sharma RK Periodic orbits in the planar restricted photo-gravitational problem when the smaller primary is an oblate spheroid. Indian Journal of Science and Technology 13(16): 1630-1640. https://doi.org/10.17485/IJST/v13i16.401	URL
148	Nithyanandh S, Jaiganesh V Quality of service enabled intelligent water drop algorithm based routing protocol for dynamic link failure detection in wireless sensor network . Indian Journal of Science and Technology 13(16): 1641-1647. https://doi.org/10.17485/IJST/v13i16.19	URL
149	J G, M RB, S SMD Developmental impairment and Oviposition deterrence in <i>Callosobruchus maculatus</i> (Fabricius) infesting <i>Vigna radiata</i> (L.Wilczek) upon treatment with five different plant products . Indian Journal of Science and Technology 13(16): 1648-1655. https://doi.org/10.17485/IJST/v13i16.470	URL
150	Patel RJ, Bhaskaran L Orange peel as an inducer for Laccase production in a novel fungal strain <i>peyronellaea pinodella</i> BL-3/4 and optimization of its cultural parameters by single parameter approach. Indian Journal of Science and Technology 13(16): 1656-1667. https://doi.org/10.17485/IJST/v13i16.296	URL
151	Shaikh MZ Performance evaluation of common hazardous waste incinerator for ship scraping waste. Indian Journal of Science and Technology 13(16): 1668-1675. https://doi.org/10.17485/IJST/v13i16.249	URL
152	Mandal A, Saha P, Begum A, Saha A, Chakraborty B, Dutta S, Roy KK Ethnomedicinal plants used by the ethnic people living in fringe villages of Rasikbil of Cooch Behar District, West Bengal, India. Indian Journal of Science and Technology 13(16): 1676-1685. https://doi.org/10.17485/IJST/v13i16.380	URL
153	Al-Dmour H Admittance spectroscopy analysis of dye-sensitised solar cells with host-guest complexes . Indian Journal of Science and Technology 13(16): 1686-1692. https://doi.org/10.17485/IJST/v13i16.215	URL
154	Karim MR, Islam T, Dutta S, Hossain A, Bain S Reuse of dye effluents into the fresh batch dyeing with the variation of chemical and dye percentages. Indian Journal of Science and Technology 13(16): 1693-1701. https://doi.org/10.17485/IJST/v13i16.254	URL
155	Omprakash S, Ravichandran M Coronary artery disease prediction using hidden Markov model based support vector machine . Indian Journal of Science and Technology 13(17): 1703-1713. https://doi.org/10.17485/IJST/v13i17.20	URL
156	Alblaihi DK, Bin Jumaiah NB, Aljameel MS, Alaqeel MA, Abusalih HH Impact of bariatric surgery on body image satisfaction among patients attending King Saud medical city . Indian Journal of Science and Technology 13(17): 1714-1719. https://doi.org/10.17485/IJST/v13i17.98	URL
157	Supriya KE, Rao KR IoT based real time water level monitoring using Texas instruments' CC3200. Indian Journal of Science and Technology 13(17): 1720-1729. https://doi.org/10.17485/IJST/v13i17.295	URL
158	George Y, Sergeevna BA Feasibility study for an air ambulance in the Russian Federation. Indian Journal of Science and Technology 13(17): 1730-1737. https://doi.org/10.17485/IJST/v13i17.294	URL

159	Choudhary AK, Tudu S, Kumari P, Ranjan A Present status, prevalence and seasonal variations of aflatoxin in cattle feed, Bihar, India. Indian Journal of Science and Technology 13(17): 1738-1745. httpsdoi.org/10.17485/IJST/v13i17.288	URL
160	Chhajro MA, Khan H, Khan F, Kumar K, Wagan AA, Solangi S Handwritten Urdu character recognition via images using different machine learning and deep learning techniques. Indian Journal of Science and Technology 13(17): 1746-1754. httpsdoi.org/10.17485/IJST/v13i17.113	URL
161	AlSaeed D Design and implementation of social gathering management mobile application . Indian Journal of Science and Technology 13(17): 1755-1763. httpsdoi.org/10.17485/IJST/v13i17.261	URL
162	Manzano Jr VJP Peanut production through innovative water management strategies. Indian Journal of Science and Technology 13(17): 1764-1777. https://doi.org/10.17485/IJST/v13i17.543	URL
163	Kavitha D, Radha V An innovative idea for low cost Braille e-reader. Indian Journal of Science and Technology 13(17): 1778-1785. httpsdoi.org/10.17485/IJST/v13i17.124	URL
164	Junejo KN A novel pixel-based supervised hybrid approach for prediction of land cover from satellite imagery. Indian Journal of Science and Technology 13(17):1786-1794. httpsdoi.org/10.17485/IJST/v13i17.538	URL
165	Salahuddin S, Mehar Q, Kazi H Factors influencing transfer of training: Empirical evidence from public sector schools Hyderabad Pakistan. Indian Journal of Science and Technology 13(18): 1796-1802. httpsdoi.org/10.17485/IJST/v13i18.51	URL
166	Mehta P, Kumar S, Patel V, Joshi A Mathematical modeling and performance assessment of solar air collector. Indian Journal of Science and Technology 13(18):1803-1810. httpsdoi.org/10.17485/IJST/v13i18.608	URL
167	Memon S, Shaikh RA, Rind QB, Solangi GH, Jokhio SA, Ahmed M Hidden cable fault and remote locator by using Arduino. Indian Journal of Science and Technology 13(18): 1811-1820. httpsdoi.org/10.17485/IJST/v13i18.99	URL
168	Panhwar MA, Khuhro SA, Mazhar T, ZhongLiang D, Bilal MEA, Qadir N Li-Net: towards a smart Li-Fi vehicle network. Indian Journal of Science and Technology 13(18): 1821-1829. httpsdoi.org/10.17485/IJST/v13i18.210	URL
169	Alotaibi RS, Osman ASA Assessing user satisfaction with the MAKKEN system in Shaqra University: A structural equation modelling analysis. Indian Journal of Science and Technology 13(18): 1830-1839. httpsdoi.org/10.17485/IJST/v13i18.467	URL
170	Gogoi K, Deka M, Das J, Goswami AD A study of risk factors associated with essential Hypertension in an urban population of North East India. Indian Journal of Science and Technology 13(18): 1840-1847. httpsdoi.org/10.17485/IJST/v13i18.410	URL
171	Naidu TM, Narayana PVL Synthesis and characterization of Fe ₂ O ₃ - Bi ₂ O ₃ -TiO ₂ nanoparticles and its magnetic properties. Indian Journal of Science and Technology 13(18): 1848-1855. httpsdoi.org/10.17485/IJST/v13i18.90	URL

172	Thirumagal N, Jeyakumari AP Photocatalytic and antibacterial activity of silver nanoparticles (AgNPs) using palm (Borassus flabellifer L.) water (Pathaneer). Indian Journal of Science and Technology 13(18): 1856-1866. httpsdoi.org/10.17485/IJST/v13i18.222	URL
173	Cacacho EL, Agcaoili SO, Cacatian SB, Ouano NB Assessment of the organic- based system of rice intensification (SRI) under coastal rice field ecosystem . Indian Journal of Science and Technology 13(18): 1867-1872. https doi.org/10.17485/IJST/v13i18.357	URL
174	Balaji K, Wessley GJJ Experimental investigations on the performance of a modified co-flow jet aerofoil. Indian Journal of Science and Technology 13(19): 1873-1881. httpsdoi.org/ 10.17485/IJST/v13i19.85	URL
175	Idowu EO, Alebiosu C Ichthyofauna composition of Alape River, Igbokoda, South West Nigeria. Indian Journal of Science and Technology 13(19): 1882-1889. httpsdoi.org/ 10.17485/IJST/v13i19.136	URL
176	Chhajro MA, Khuhro MA, Kumar K, Wagan AA, Umrani AI, Laghari AA Multi-text classification of Urdu/Roman using machine learning and natural language preprocessing techniques. Indian Journal of Science and Technology 13(19): 1890-1900. https doi.org/10.17485/IJST/v13i19.230	URL
177	J AJ, Danish P, Ganesh S, Raina CS Implementation of paper mill waste as partial replacement material. Indian Journal of Science and Technology 13(19): 1901-1907. httpsdoi.org/ 10.17485/IJST/v13i19.583	URL
178	Diaz-Cornejo N, Ruiz- -Garcés L, Ortiz-Girón J, RamirezBarbera N Antimicrobial resistance profiles of bacterial pathogens isolated from the bloodstream in patients of a hospital institution in Montería — Córdoba. Indian Journal of Science and Technology 13(19): 1908-1916. httpsdoi.org/10.17485/IJST/v13i19.349	URL
179	Khan IH, Anwar S, Makhdum MSA, Yaseen MR Household health inequality in Pakistan: A comparative analysis. Indian Journal of Science and Technology 13(19): 1917-1926. https doi.org/10.17485/IJST/v13i19.57	URL
180	Patel K, Patel FR Screening of biosurfactant producing yeasts isolated from mangrove ecosystem of Surat region of Gujarat, India. Indian Journal of Science and Technology 13(20): 1927-1934. httpsdoi.org/10.17485/IJST/v13i19.204	URL
181	Vaghela P, Jarullah B Prevalence of comorbid conditions in rheumatoid arthritic patients diagnosed at a rheumatology clinic at a tertiary care hospital of western India. Indian Journal of Science and Technology 13(11): 1265-1269. https://doi.org/10.17485/IJST/v13i11.1265	URL
182	Jaiswal K, Mishra S, Bee A Scanning electron microscopy of A scaridia galli in Gallus gallus domesticus in Lucknow, U.P, India. Indian Journal of Science and Technology 13(19): 1944-1954. httpsdoi.org/ 10.17485/IJST/v13i19.102	URL
183	Calo AMVM, Barbosa JB, Dinagsao AV GrabTutor: A web and mobile application for tutor appointment system with GPS security feature. Indian Journal of Science and Technology 13(19): 1955-1964. httpsdoi.org/10.17485/IJST/v13i19.148996	URL

184	Ravindra S, Siddesh GK System capacity evaluation for mobility management in LTE-advanced D2D networks. Indian Journal of Science and Technology 13(20): 1965-1976. httpsdoi.org/ 10.17485/IJST/v13i20.469	URL
185	Rameshbabu R, Suresh GR Design of adaptive feedback control for new 3D chaotic system and its digital implementation on FPGA. Indian Journal of Science and Technology 13(20): 1977-1990. https doi.org/10.17485/IJST/v13i20.498	URL
186	Mukherjee A Seasonal variations of zooplankton diversity in fresh water reservoir of West Bengal, India. Indian Journal of Science and Technology 13(20): 1991-1997. httpsdoi.org/ 10.17485/IJST/v13i20.556	URL
187	Akter N, Repon MR, Rashid MA, Shiddique MNA Performance analysis of spandex incorporated single jersey fabrics for sportswear. Indian Journal of Science and Technology 13(20): 1998-2009. httpsdoi.org/ 10.17485/IJST/v13i20.316	URL
188	Mahendra HN, Mallikarjunaswamy S, Siddesh GK, Komala M, Sharmila N Evolution of real-time onboard processing and classification of remotely sensed data. Indian Journal of Science and Technology 13(20): 2010-2020. https: doi.org/10.17485/IJST/v13i20.459	URL
189	Mandal A, Adhikary T, Chakraborty D, Roy P, Saha J, Barman A, Saha P Ethnomedicinal uses of plants by Santal tribe of Alipurduar district, West Bengal, India. Indian Journal of Science and Technology 13(20): 2021-2029. httpsdoi.org/10.17485/IJST/v13i20.565	URL
190	Behera MK, Mishra R, Ransingh A, Chakravarty S Prediction of different stages in Diabetic retinopathy from retinal fundus images using radial basis function based SVM. Indian Journal of Science and Technology 13(20): 2030-2040. httpsdoi.org/10.17485/IJST/v13i20.322	URL
191	Devasthali S A strategic management perspective of science and technology ventures by China. Indian Journal of Science and Technology 13(20): 2041-2056. httpsdoi.org/ 10.17485/IJST/v13i20.373	URL
192	Kumar S, Dhankhar R Assessment of change in soil properties before and after flooding due to the rainy season in Bhindawas wetland, Jhajjar, Haryana (India). Indian Journal of Science and Technology 13(20): 2057-2064. httpsdoi.org/ 10.17485/IJST/v13i20.689	URL
193	Khan MA, Khan DMZ, Khan H, Hanzla M, Jamal M, Khalid T, Ullah N Garbage collector robot. Indian Journal of Science and Technology 13(20): 2065-2070. https doi.org/10.17485/IJST/v13i20.212	URL
194	Selvakumar V, Satpathi DK, Praveen Kumar PTV, Haragopal VV Modeling and prediction of third-party claim using a Machine learning approach. Indian Journal of Science and Technology 13(21): 2071-2079. httpsdoi.org/ 10.17485/IJST/v13i21.465	URL
195	Vaghela P, Jarullah B Prevalence of comorbid conditions in rheumatoid arthritic patients diagnosed at a rheumatology clinic at a tertiary care hospital of western India. Indian Journal of Science and Technology 13(11): 1265-1269. https://doi.org/1	

196	Priya Varshini AG, Anitha Kumari K Predictive analytics approaches for software effort estimation: A review. Indian Journal of Science and Technology 13(21): 2094-2103. httpsdoi.org/ 10.17485/IJST/v13i21.573	URL
-----	---	---------------------

197	Hussain S, Khoso ID, Qureshi F Impact of mergers and acquisitions on shareholders' wealth: a study of Telecom sector of Pakistan. Indian Journal of Science and Technology 13(21): 2104-2110. httpsdoi.org/10.17485/IJST/v13i21.615	URL
198	Dhal S, Patro A, Swain M, Supraja K, Rath PK Simulation of very-low energy alkali ion (≤ 10 KeV) induced effects on Al ₂ O ₃ micro flakes. Indian Journal of Science and Technology 13(21): 2111-2118. httpsdoi.org/10.17485/IJST/v13i21.97	URL
199	Kumar R, Kumar G, Kumar M, Guleria RP Spectral and seasonal variations of aerosol optical depth with special reference to Kanpur, Indo-Gangetic Basin. Indian Journal of Science and Technology 13(21): 2119-2137. httpsdoi.org/10.17485/IJST/v13i21.364	URL
200	Alsulimani TS A three tier system architecture design for factors affecting students' performance analysis in the Western region in Jeddah Universities. Indian Journal of Science and Technology 13(21): 2138-2148. https://doi.org/10.17485/IJST/v13i21.438	URL
201	Mahewar RB, Ravangave LS Structure, morphology and optical parameters of spray deposited CZTS thin films for solar cell applications. Indian Journal of Science and Technology 13(21): 2149-2156. httpsdoi.org/10.17485/IJST/v13i21.642	URL
202	Sanjrani AA, Naveed MS, Sajid M, Ahmed A, Awan S, Jumani AK Multilingual OCR systems for the regional languages in Balochistan. Indian Journal of Science and Technology 13(21): 2157-2167. httpsdoi.org/10.17485/IJST/v13i21.2	URL
203	Government RM, Okeke ET, Odera RS, Ani AK, Thaddaeus J, Ikechukwu NB Significance of alkaline treatment on the composition of mango seed shell fiber for polymer composite application. Indian Journal of Science and Technology 13(21): 2168-2174. httpsdoi.org/10.17485/IJST/v13i21.81	URL
204	Ali S, Haq AU, Hamid S, Afrasiab Communication strategy of Khyber Pakhtunkhwa Government in Pandemic: a case study of Corona virus (COVID-19). Indian Journal of Science and Technology 13(22): 2175-2181. httpsdoi.org/10.17485/IJST/v13i22.616	URL
205	Vaghela P, Jarullah B Prevalence of comorbid conditions in rheumatoid arthritic patients diagnosed at a rheumatology clinic at a tertiary care hospital of western India. Indian Journal of Science and Technology 13(11): 1265-1269. https://doi.org/1	
206	S, Mansotra V, Kour P, Kumar S Voting-Boosting: A novel machine learning ensemble for the prediction of Infants' Data. Indian Journal of Science and Technology 13(22): 2189-2202. httpsdoi.org/10.17485/IJST/v13i22.468	URL
207	Dwivedi A, Elangovan V, M, misra PK Seasonal variation in feeding behaviour and foraging success of Indian pond heron (<i>Ardeola grayii</i>) in different habitats. Indian Journal of Science and Technology 13(22): 2203-2213. httpsdoi.org/10.17485/IJST/v13i22.473	URL

208	Ahmed Y, Aslam M, Mahmood T A note on generalized m-derivations to weakly cancellative semirings. Indian Journal of Science and Technology 13(22): 2214-2219. httpsdoi.org/ 10.17485/IJST/v13i22.682	URL
209	Malik MA, Javed MA On circuit structure of PSL (2, Z)-orbits of length eight. Indian Journal of Science and Technology 13(22): 2220-2228. httpsdoi.org/ 10.17485/IJST/v13i22.779	URL
210	Shettima MB, Sharma N, Banerji P Impact of small and medium enterprises on employment generation in Kaduna State Nigeria. Indian Journal of Science and Technology 13(22): 2229-2236. httpsdoi.org/ 10.17485/IJST/v13i22.862	URL
211	Alkhalwaldeh MA, Khasawneh MAS Developing acoustic analysis skills among students with developmental apraxia of speech (DAS). Indian Journal of Science and Technology 13(22): 2237-2244. httpsdoi.org/ 10.17485/IJST/v13i22.148932	URL
212	Chai MK, Tan YH, Wong LS Macronutrient effect on biomass of Microalgae in biofuel production: A review. Indian Journal of Science and Technology 13(22): 2245-2263. httpsdoi.org/ 10.17485/IJST/v13i22.176	URL
213	Prabhakar B, Wani TA Mechanical properties of YBCO superconductor under high-pressure. Indian Journal of Science and Technology 13(22): 2264-2271. httpsdoi.org/ 10.17485/IJST/v13i22.412	URL
214	Memon MA, Bhutto GM, Buriro EA Sizing of dc-link capacitor for a grid connected solar photovoltaic inverter. Indian Journal of Science and Technology 13(22): 2272-2281. httpsdoi.org/ 10.17485/IJST/v13i22.406	URL
215	Alshehri AS The impact of perfectionism trait on anxiety and academic procrastination among international Saudi Arabian students studying in United States Universities. Indian Journal of Science and Technology 13(23): 2282-2293. httpsdoi.org/ 10.17485/IJST/v13i23.657	URL
216	Shrivastava VK, Hore U, Kala J An investigation on ecotourism potential and possibility of community integration in its development in Orchha, Central India. Indian Journal of Science and Technology 13(23): 2294-2302. https doi.org/10.17485/IJST/v13i23.830	URL
217	Zhang C, Liu J, Chhachhar AR A comparative study of the global internet governance system between China and the United States. Indian Journal of Science and Technology 13(23): 2303-2310. httpsdoi.org/ 10.17485/IJST/v13i23.774	URL
218	Umar M, Gill SH, Shaikh RA, Rizwan M Cloud-based energy efficient smart street lighting system. Indian Journal of Science and Technology 13(23): 2311-2318. httpsdoi.org/ 10.17485/IJST/v13i23.636	URL
219	Das R, Gogoi B, Jaiswal MK Soil loss assessment in Sadiya Region, Assam, India using remote sensing and GIS. Indian Journal of Science and Technology 13(23): 2319-2327. httpsdoi.org/ 10.17485/IJST/v13i23.588	URL
220	Shami TK, Adil SA, Hassan S, Bashir MK Spatial market integration and price transmission in major potato markets of Punjab, Pakistan. Indian Journal of Science and Technology 13(23): 2328-2335. httpsdoi.org/ 10.17485/IJST/v13i23.411	URL

221	Mahapatra P, Arora G, Aggarwal M, Singh S, Manocha R Impact behaviour analysis of a newly designed go-kart chassis. Indian Journal of Science and Technology 13(23): 2336-2344. https://doi.org/10.17485/IJST/v13i23.502	URL
222	Islam T, Karim MR, Chaion MH, Dutta S, Hossain MA Effect of chemical dosing amount in conventional cotton fabric pretreatment process. Indian Journal of Science and Technology 13(23): 2345-2354. https://doi.org/10.17485/IJST/v13i23.252	URL
223	Mamdouh R, El-Bakry HM, Riad A, El-Khamisy N Using Azure to construct recent architecture for visualize training in real-time. Indian Journal of Science and Technology 13(23): 2355-2370. https://doi.org/10.17485/IJST/v13i19.649	URL
224	Zaka A, Akhter AS, Jabeen R Beta Lehmann-2 power function distribution with application to bladder cancer susceptibility and failure times of air-conditioned system. Indian Journal of Science and Technology 13(23): 2371-2386. https://doi.org/10.17485/IJST/v13i23.178	URL
225	Naghshband S, Araghi MAF Solving the cubic complex Ginzburg-Laundau equation by Homotopy analysis method. Indian Journal of Science and Technology 13(24): 2387-2403. https://doi.org/10.17485/IJST/v13i24.54557.90477	URL
226	Tribhuvanam S, Nagaraj HC, Naidu VPS Analysis and classification of ECG beat based on wavelet decomposition and SVM. Indian Journal of Science and Technology 13(24): 2404-2417. https://doi.org/10.17485/IJST/v13i24.452	URL
227	Munir S, Jami SI Current trends in cloud computing. Indian Journal of Science and Technology 13(24): 2418-2435. https://doi.org/10.17485/IJST/v13i24.358	URL
228	Saeed MU, Bilal MZ, Raza MR Political speeches and media agenda: electoral rigging movement — 2013 as a building factor of media agenda in Pakistan. Indian Journal of Science and Technology 13(24): 2436-2445. https://doi.org/10.17485/IJST/v13i24.387	URL
229	Prasad KN, N Jois S Effect of Pranic agriculture on vegetative growth characteristics of spinach (<i>Spinacia oleracea</i> L.). Indian Journal of Science and Technology 13(24): 2446-2451. https://doi.org/10.17485/IJST/v13i24.711	URL
230	Khalate SS, Chandgude PM, Kambale MM, Dhawan SS, Mane SG, Marathe RJ, Deshmukh RB, Phatake YB Biofilm inhibition of UTI pathogens using <i>Terminalia arjuna</i> and <i>Ipomea carnea</i> plant extract. Indian Journal of Science and Technology 13(24): 2452-2462. https://doi.org/10.17485/IJST/v13i24.725	URL
231	Bashir M, Fazili MF, Ahmad F, Ahmad J Dietary ecology of Markhor (<i>Capra falconeri cashmirensis</i>) in winter range of Kazinag National Park, Kashmir, J&K, India.. Indian Journal of Science and Technology 13(24): 2463-2474. https://doi.org/10.17485/IJST/v13i24.432	URL
232	Salem RMHA The role of social media as an electronic communication media in supporting leadership supervision in high schools. Indian Journal of Science and Technology 13(24): 2475-2483. https://doi.org/10.17485/IJST/v13i24.627	URL

233	Habib MB, Haq MZU, Tufail W, Nazeer MT, Din BMU, Mafooz M Validating of the Urdu version of international physical activity questionnaire (IPAQ-U) among Pakistani population. Indian Journal of Science and Technology 13(24): 2484-2490. httpsdoi.org/ 10.17485/IJST/v13i24.787	URL
234	Meena S Impact of novel Coronavirus (COVID-19) pandemic on travel pattern: A case study of India. Indian Journal of Science and Technology 13(24): 2491-2501. httpsdoi.org/ 10.17485/IJST/v13i24.958	URL
235	Bhagawati P Awareness and attitude towards reproductive and sexual health rights and practices among college students: An empirical study. Indian Journal of Science and Technology 13(25): 2502-2508. httpsdoi.org/ 10.17485/IJST/v13i25.911	URL
236	Thang TD, Tuyen TM, Truc TN, Phuong PT Some properties of multivalued positive Boolean dependencies in the database model of block form. Indian Journal of Science and Technology 13(25): 2509-2519. https doi.org/10.17485/IJST/v13i25.759	URL
237	Khasawneh MAS The leadership roles of Saudi special education teachers from their own perspectives. Indian Journal of Science and Technology 13(25): 2520-2528. httpsdoi.org/ 10.17485/IJST/v13i25.110	URL
238	Virmani DC, Kaushik N, M, Mathur V, Saxena S Analysis of cyber attacks and security intelligence: Identity theft. Indian Journal of Science and Technology 13(25): 2529-2536. httpsdoi.org/ 10.17485/IJST/v13i25.580	URL
239	Usha SM, Mahesh HB Minimization of power and area of digital modulator for cellular communication using cadence in 180nm, 90nm and 45nm CMOS technology. Indian Journal of Science and Technology 13(25): 2537-2546. httpsdoi.org/ 10.17485/IJST/v13i25.954	URL
240	Nadeem Bari M, Malik MA Primitive Representations and the Modular Group. Indian Journal of Science and Technology 13(25): 2547-2557. httpsdoi.org/ 10.17485/IJST/v13i25.66	URL
241	Tayyib NA, Ramaiah P, Alshmemri MS, Alsolami FJ, Lindsay GM, Alsulami SA, Asfour HI Faculty members' readiness implementing e-learning in higher education Saudi Universities: A cross-sectional study. Indian Journal of Science and Technology 13(25): 2558-2564. httpsdoi.org/ 10.17485/IJST/v13i25.82	URL
242	Chandio AA, Leghari M, Orangzeb Panhwar A, Zaman Nizamani S, Leghari M Deep learning-based isolated handwritten Sindhi character recognition. Indian Journal of Science and Technology 13(25): 2565-2574. httpsdoi.org/ 10.17485/IJST/v13i25.914	URL
243	Kathirvelu C, Maline AS, Sivasankari S Fumigant effect of essential oils against pulse beetle (<i>Callosobruchus chinensis</i> L.) and rice weevil (<i>Sitophilus oryzae</i> L.) in stored products. Indian Journal of Science and Technology 13(25): 2575-2581. httpsdoi.org/ 10.17485/IJST/v13i25.177	URL
244	Lucky , Arya H Improvement of low temperature impact toughness through flux modification for submerged arc welded low carbon steel E350 plates. Indian Journal of Science and Technology 13(25): 2582-2592. httpsdoi.org/ 10.17485/IJST/v13i25.677	URL

245	Geddani D, Giduturi DVK, Ratna V Evaluation of 8-hour average ground level Ozone in the city of Visakhapatnam and its impact on Human Well-being and Environment. Indian Journal of Science and Technology 13(26): 2593-2600. https://doi.org/ 10.17485/IJST/v13i26.532	URL
246	Maher ZA, Shah A, Chandio S, Mohadis HM, Rahim NHBA Challenges and limitations in secure software development adoption - A qualitative analysis in Malaysian software industry prospect. Indian Journal of Science and Technology. 13(26): 2601-2608. https://doi.org/ 10.17485/IJST/v13i26.848	URL
247	Stephen Leon J, Bharathiraja G, Jayakumar V Experimental and numerical investigations of optimum process window for friction stir welding using flat faced tool pin. Indian Journal of Science and Technology 13(26): 2609-2624. https://doi.org/10.17485/IJST/v13i26.867	URL
248	Memon FA, Shah S, Khoso IU Role of leadership communication in creating change readiness: revisiting Kurt Lewin's Model in telecommunication sector of Pakistan. Indian Journal of Science and Technology 13(26): 2625-2632. https://doi.org/10.17485/IJST/v13i26.933	URL
249	Mekala S, Chatrapathi DKS Energy adaptive block design based neighbor discovery for asynchronous wireless sensor networks. Indian Journal of Science and Technology 13(26): 2633-2643. https://doi.org/10.17485/IJST/v13i26.782	URL
250	Mulik PV, Kapale UC, Kamble GS Heat transfer characteristics of nocturnal cooling system for clear sky climate of Western Maharashtra, India. Indian Journal of Science and Technology 13(26): 2644-2656. https://doi.org/ 10.17485/IJST/v13i26.42	URL
251	Manigandan N, Ponmalar V Ferrochrome slag and manufactured sand as fine aggregate replacement in concrete and mortar - A Brief Review. Indian Journal of Science and Technology 13(26): 2657-2667. https://doi.org/ 10.17485/IJST/v13i26.526	URL
252	Cornillez Jr. EEC, Treceña JKD, de los Santos JRN Mining educational data in predicting the influence of Mathematics on the programming performance of University students. Indian Journal of Science and Technology 13(26): 2668-2677. https://doi.org/ 10.17485/IJST/v13i26.719	URL
253	Numbere AO Analysis of total hydrocarbon and heavy metal accumulation in sediment, water and associated organisms of Mangrove ecosystem in the Niger Delta. Indian Journal of Science and Technology 13(26): 2678-2685. https://doi.org/10.17485/IJST/v13i26.783	URL
254	Tupas FP, Cacho AAA Green governance - An integrated programs of local government units: A case of Northern Iloilo, Philippines. Indian Journal of Science and Technology 13(26): 2686-2699. https://doi.org/ 10.17485/IJST/v13i26.824	URL
255	Malik S, Mustafa G, Anwar A, Iqbal A Assessing the Impact of Microfinance Services at Individual Level: A Comparative Study of Women Empowerment in Pakistan. Indian Journal of Science and Technology 13(27): 2700-2710. https://doi.org/ 10.17485/IJST/v13i27.837	URL
256	Kandukuri M, Haragopal VV Textual Mining- Evaluation of Mann Ki Baat Repository. Indian Journal of Science and Technology 13(27): 2711-2719. https://doi.org/ 10.17485/IJST/v13i27.879	URL

257	Shakil M, Rashid Z, Hussain GA, Umer F Power Flow Analysis and Optimization in Ring Distribution Network of Bahawalpur using Newton Raphson Method. Indian Journal of Science and Technology 13(27): 2720-2732. https://doi.org/10.17485/IJST/v13i27.916	URL
258	Mallikarjunaswamy S, Sharmila N, Maheshkumar D, Komala M, Mahendra HN Implementation of an effective hybrid model for islanded microgrid energy management. Indian Journal of Science and Technology 13(27): 2733-2746. https://doi.org/10.17485/IJST/v13i27.982	URL
259	Ahmed N, Ali M, H, Mustafa Z, Bashir TT, Shehzad F Orobanche species identification through DNA barcoding in tomato crop in uplands of Balochistan, Pakistan. Indian Journal of Science and Technology 13(27): 2747-2754. https://doi.org/10.17485/IJST/v13i27.76	URL
260	Srinivas B, Venkata Krishna V, Sumalatha L Color and cross diagonal symmetric pair co-occurrence matrix. Indian Journal of Science and Technology 13(27): 2755- 2773. https://doi.org/10.17485/IJST/v13i27.712	URL
261	Kumar R, Kumar G, Kumar M, Guleria RP Spectral and seasonal variations of aerosol radiative forcing with special reference to Kanpur, Indo-Gangetic Basin. Indian Journal of Science and Technology 13(27): 2774-2785. https://doi.org/10.17485/IJST/v13i27.308	URL
262	Agdad A, Chaik M, Samba Vall CM, Abounachit O, Nkhaili L, kissani AE, Ait Dads H, Narjis A, Outzourhit A Structural, optical and electrical properties of Aluminum doped ZnO, CuO and their heterojunction fabricated using spin coating and Rf- Sputtering techniques. Indian Journal of Science and Technology 13(27): 2786-2796. https://doi.org/10.17485/IJST/v13i27.674	URL
263	Bari MN, Malik MA Symmetries of Icosahedral group and classification of G-circuits of length six. Indian Journal of Science and Technology 13(27): 2797-2810. https://doi.org/10.17485/IJST/v13i27.728	URL
264	Arshad J, Tariq R, Saleem S, Rehman AU, Munir HM, Amiri Golilarz N, Saleem A Intelligent greenhouse monitoring and control scheme: An arrangement of Sensors, Raspberry Pi based Embedded System and IoT platform. Indian Journal of Science and Technology 13(27): 2811-2822. https://doi.org/10.17485/IJST/v13i27.311	URL
265	Manimekalai K, Kavitha DA Deep Learning Methods in Classification of Myocardial Infarction by employing ECG Signals. Indian Journal of Science and Technology 13(28): 2823-2832. https://doi.org/10.17485/IJST/v13i28.445	URL
266	Humayun M, Jhanjhi NZ, Alamri MZ IoT-based Secure and Energy Efficient scheme for E-health applications. Indian Journal of Science and Technology 13(28): 2833-2848. https://doi.org/10.17485/IJST/v13i28.861	URL
267	Kalaivani P, Selvi S Machine Learning Approach to Analyse Ensemble Models and Neural Network Model for E-Commerce Application. Indian Journal of Science and Technology 13(28): 2849-2857. https://doi.org/10.17485/IJST/v13i28.927	URL

268	Hassan Syed N, Channa N, Khoso IU How does perceived social support and self-esteem impact employees' turnover intention? Case of banks' merger in Pakistan. Indian Journal of Science and Technology 13(28): 2858-2865. httpsdoi.org/10.17485/IJST/v13i28.973	URL
269	Samra RM, Soliman AF, Zaki AA, Hassan MA, Zaghloul AM Antiviral Components from Cleome droserifolia and Lotus creticus. Indian Journal of Science and Technology 13(28): 2866-2875. httpsdoi.org/10.17485/IJST/v13i28.980	URL
270	Lalitha RVS, Srinivas R, Kumar PSVVS, Kavitha K, Sameera PVSNS Intelligent signalling system to control traffic in vehicular ad hoc networks. Indian Journal of Science and Technology 13(28): 2876-2882. httpsdoi.org/10.17485/IJST/v13i28.1043	URL
271	Mukherjee A Eco-friendly management of plant parasitic nematodes. Indian Journal of Science and Technology 13(28): 2883-2891. httpsdoi.org/10.17485/IJST/v13i28.1106	URL
272	shams AE, Soliman AF, Ashour A, Marzouk AM, Elsharkawy SH Utilization of wood industrial wastes for production of chemicals and pharmaceuticals. Indian Journal of Science and Technology 13(28): 2892-2901. httpsdoi.org/10.17485/IJST/v13i28.917	URL
273	Razzaq MA, Mahar JA, Qureshi MA, Abidin Z Smart campus system using internet of things: simulation and assessment of vertical scalability. Indian Journal of Science and Technology 13(28): 2902-2910. httpsdoi.org/10.17485/IJST/v13i28.1034	URL
274	Kaloi MK, Ali E, Mustafa G, Nizamani N, Memon MA, Khatri AR, Kaloi GS Fuzzy- PID based control scheme for PMDC series motor speed control. Indian Journal of Science and Technology 13(28): 2911-2923. httpsdoi.org/10.17485/IJST/v13i28.653	URL
275	Khaskheli GA, Rajper ZA, Mangi QA, Hussain RS, Shar AH A mediation analysis of social media marketing between the relationship of entrepreneurial marketing strategies and the performance of small & medium enterprises in Pakistan. Indian Journal of Science and Technology 13(29): 2924-2934. httpsdoi.org/10.17485/IJST/v13i29.1035	URL
276	EIMohr MF, Faris M, Bakry S, Hozyen H, Elshaer FM Effect of passive smoking on heavy metals concentration in blood and follicular fluid of patients on going ICSI. Indian Journal of Science and Technology 13(29): 2935-2940. httpsdoi.org/10.17485/IJST/v13i29.721	URL
277	Howaida S. Saati Describing the effect of a first aid training program on the first aid knowledge and attitudes of female secondary school students in Jeddah – Saudi Arabia. Indian Journal of Science and Technology 13(29): 2941-2946. httpsdoi.org/10.17485/IJST/v13i29.985	URL
278	Musa RM, Suhaimi MZ, Musa A, Abdullah MR, Abdul Majeed APP, Maliki ABHM Predicting students academic performance from wellness status markers using machine learning techniques. Indian Journal of Science and Technology 13(29): 2947- 2955. httpsdoi.org/10.17485/IJST/v13i29.999	URL

279	Usaid M, Soothar KK, Memon KA, Dehraj S, Hafeez U, Ain N Design of sustainable pedestrian power generator using Piezo electric sensors. Indian Journal of Science and Technology 13(29): 2956-2961. https://doi.org/10.17485/IJST/v13i29.1000	URL
280	Memon KA, Khuhro SA, Pirzada N, Panhwar MA, Mohd M, Soothar KK, Ain N Analyzing distributed denial of service attacks in cloud computing towards the Pakistan information technology industry. Indian Journal of Science and Technology 13(29): 2962-2972. https://doi.org/10.17485/IJST/v13i29.1040	URL
281	Saini S, Sharma S, Khangembam M, Singh V Structural analysis of the chemical vapour deposition grown molybdenum disulphide nanofilms for multifaceted applications. Indian Journal of Science and Technology 13(29): 2973-2980. https://doi.org/10.17485/IJST/v13i29.1215	URL
282	Naik B, Dash PB, Nayak J Extra-tree learning based Socio-economic factor analysis and multi-class adaptive boosting meta-estimator for prediction of agricultural productivity. Indian Journal of Science and Technology 13(29): 2981-3001. https://doi.org/10.17485/IJST/v13i29.839	URL
283	Paramitha NA, Sadhana U, Prasetyo A, Karlowee V The increasing of Interleukin 6 and Superoxide Dismutase 3 nasal wash in textile industry workers exposed by occupational air pollutant. Indian Journal of Science and Technology 13(29): 3002-3007. https://doi.org/10.17485/IJST/v13i29.369	URL
284	Shivaji R, Nataraj KR, Mallikarjunaswamy S, Rekha KR Design and implementation of reconfigurable DCT based adaptive PST techniques in OFDM communication system using interleaver encoder. Indian Journal of Science and Technology 13(29): 3008-3020. https://doi.org/10.17485/IJST/v13i29.976	URL
285	Bermond A, Mench M, Baize D, Kim SA Soil Cadmium content on Chaponne of Carixien soil series in France comparing with the result on Domerien soil series. Indian Journal of Science and Technology 13(29): 3021-3024. https://doi.org/10.17485/IJST/v13i29.88	URL
286	Rajeev Kumar C, Sanjay Kumar M An approach of multistage distribution system network expansion planning considering investment, operational cost and reliability of system. Indian Journal of Science and Technology 13(30): 3025-3040. https://doi.org/10.17485/IJST/v13i30.678	URL
287	Kanitkar MS, Deosarkar SB, Joshi KR Design of frequency reconfigurable antenna using dual band electromagnetic band gap structure. Indian Journal of Science and Technology 13(30): 3041-3050. https://doi.org/10.17485/IJST/v13i30.345	URL
288	Oyobe Okassa AJ, Ngantcha JP, Ndtoungou A, Ele P Improvement of the compression ratio of vibratory signals by double pass DWHT. Indian Journal of Science and Technology 13(30): 3051-3058. https://doi.org/10.17485/IJST/v13i30.924	URL
289	Ramkumar J, Vadivel R Bee inspired secured protocol for routing in cognitive radio ad hoc networks. Indian Journal of Science and Technology 13(30): 3059-3069. https://doi.org/10.17485/IJST/v13i30.1152	URL

290	Sathya TN, Mehta VA, Devi Senthil , Navaneethakrishnan KR, Murugan SS, Kumaravel TS Cytotoxicity evaluation of CELNORM, a nutritional health supplement, on MCF7 breast cancer cells . Indian Journal of Science and Technology 13(30): 3070-3075. https://doi.org/10.17485/IJST/v13i30.1150	URL
291	Pramanik P, Pramanik P Pathogenesis and preventive approach of hypercoagulopathy and microvascular thrombosis induced mortality from COVID-19. Indian Journal of Science and Technology 13(30): 3076-3087. https://doi.org/10.17485/IJST/v13i30.969	URL
292	Behera M, Ram S Synthesis and characterization of gold (Au): Fullerene (C60)-Poly (vinyl pyrrolidone) nanofluids in an alcoholic medium. Indian Journal of Science and Technology 13(30): 3088-3092. https://doi.org/10.17485/IJST/v13i30.586	URL
293	Bagri M, Kumar S Solitons transmission system : A dynamic shift in optical fiber communication. Indian Journal of Science and Technology 13(30): 3093-3102. https://doi.org/10.17485/IJST/v13i30.384	URL
294	Dhal S, Patro A, Swain M, Supraja K, Rath PK Simulation of very-low energy alkali ion (≤ 10 KeV) induced effects on Al ₂ O ₃ micro flakes. Indian Journal of Science and Technology 13(21): 2111-2118. https://doi.org/10.17485/IJST/v13i21.97	URL
295	Channa F, Kumar M, Mahmood Soomro A, Farhan M Strategically plug-in electrical vehicle load management in radial distribution system (A case study). Indian Journal of Science and Technology 13(30): 3113-3127. https://doi.org/10.17485/IJST/v13i30.757	URL
296	Nayaka S, Airodagi D, Chakraborty B, Pallavi SS, Prabhakar Bhat M, Shashiraj KN, Muthuraj R, Dhanyakumara SB, Halaswamy HM, Pattar P Extracellular fabrication of bionanostructures from Ralstonia sp. strain NS-7: Characterizations and their microbiological evaluation. Indian Journal of Science and Technology 13(31): 3128-3140. https://doi.org/10.17485/IJST/v13i31.289	URL
297	Onwuachiheagwara NP, Iheagwara IB The effect of minute chronic release of hydrocarbon on soils of communities in proximity to oil fields. Indian Journal of Science and Technology 13(31): 3141-3149. https://doi.org/10.17485/IJST/v13i31.713	URL
298	Hung MV, Tuan VA Facile and fast preparation of Nano-rod ZnO for photocatalytic application under low intensity of UV light irradiation. Indian Journal of Science and Technology 13(31): 3150-3159. https://doi.org/10.17485/IJST/v13i31.887	URL
299	Mahapatruni N, Ramana Rao KV, Velangini Sarat P, Bhaumik M Unmanned ground robot for diffusing explosives with surveillance. Indian Journal of Science and Technology 13(31): 3160-3175. https://doi.org/10.17485/IJST/v13i31.1086	URL
300	Touqeer M, Saeed MN, Salamat N, Mustahsan M An extension of grey relational analysis for interval-valued fuzzy soft sets. Indian Journal of Science and Technology 13(31): 3176-3187. https://doi.org/10.17485/IJST/v13i31.115	URL

301	Bhagawati P Websites and social media technologies as implements of E-Governance: A study of North East India. Indian Journal of Science and Technology 13(31): 3188-3197. httpsdoi.org/ 10.17485/IJST/v13i31.1016	URL
302	Ali L, Aslam M, Ahmed Khan Y Some results on commutativity of MA-semirings . Indian Journal of Science and Technology 13(31): 3198-3203. https doi.org/10.17485/IJST/v13i31.1022	URL
303	Kiran Kumar G, Malathi Rani D, Guru Mohan Rao E Fast palmprint retrieval using speed up robust features. Indian Journal of Science and Technology 13(31): 3204-3212. httpsdoi.org/ 10.17485/IJST/v13i31.404	URL
304	Raja shekar P, Maruthi Prasad K, Vamsi Krishna N, Bhuvana Vijaya R Heat generation and chemical reaction in flow propagated by peristalsis incidence of radiation in MHD Jeffrey nanofluid. Indian Journal of Science and Technology 13(31): 3213-3221. httpsdoi.org/ 10.17485/IJST/v13i31.716	URL
305	Sujanaa J, Palanivel S Real-time video based emotion recognition using convolutional neural network and transfer learning. Indian Journal of Science and Technology 13(31): 3222-3229. https doi.org/10.17485/IJST/v13i31.1118	URL
306	James Paul T. Madigal , Jayson F. Cariaga , Thiara Celine E. Suarez , Shirley C. Agrupis Assessment of the Physico-chemico and Microbiological changes during Nipa (Nypa fruticans) Sap Fermentation collected from different sites in Cagayan province, Philippines. Indian Journal of Science and Technology 13(32): 3230-3236. https doi.org/10.17485/IJST/v13i32.1251	URL
307	Saranya J, Thenmozhi N Real time satellite image based CCF approximation model for efficient sugarcane growth and yield estimation using artificial neural networks. Indian Journal of Science and Technology 13(32): 3237-3247. httpsdoi.org/ 10.17485/IJST/v13i32.541	URL
308	Mirza T, Hassan MM, Hussain MW Prediction of COVID-19 trend in India using time series forecasting. Indian Journal of Science and Technology 13(32): 3248-3274. httpsdoi.org/ 10.17485/IJST/v13i32.1214	URL
309	Kumar P, Sharma RK Periodic orbits in the neighborhood of the triangular equilibrium points in the photogravitational restricted three body problem – Part 1. Indian Journal of Science and Technology 13(32): 3275-3294. httpsdoi.org/ 10.17485/IJST/v13i32.601	URL
310	Jeyalakshmi S, Radha R An effective approach to feature extraction for classification of plant diseases using machine learning. Indian Journal of Science and Technology 13(32): 3295-3314. httpsdoi.org/ 10.17485/IJST/v13i32.827	URL
311	Pandey DK, Pandey M, Dwivedi RK, Shrivastava AK Impact assessment of WASH (water, sanitation and hygiene) interventions in schools. Indian Journal of Science and Technology 13(32): 3315-3318. httpsdoi.org/ 10.17485/IJST/v13i32.462	URL
312	Junejo I, Kazi AS The influence of technology on business performance: The mediating role of information sharing. Indian Journal of Science and Technology 13(32): 3320-3326. httpsdoi.org/ 10.17485/IJST/v13i32.1271	URL

313	Zaka A, Akhter AS, Jabeen R A view on characterizations of the J shaped statistical distribution. Indian Journal of Science and Technology 13(32): 3327-3338. https://doi.org/ 10.17485/IJST/v13i32.353	URL
314	Polisetty VR, Ajay Kumar MC, Vinay Kumar P Effect of lockdown on air pollutants during COVID – 19 over Hyderabad. Indian Journal of Science and Technology 13(32): 3339-3348. https://doi.org/ 10.17485/IJST/v13i32.1411	URL
315	Ajibade OM, Banjo OA, Oguntuyaki TA, Osobamiro TM, Ajakore AA Implications of carbonates and chlorides contamination in groundwater: Examples from textile tie and dye markets in some parts of Southwestern Nigeria. Indian Journal of Science and Technology 13(32): 3349-3363. https://doi.org/10.17485/IJST/v13i32.539	URL
316	Dey KK, Dwivedi VK, Mishra S A rainfall-runoff model using artificial neural networks for the district of Bankura in a time of climate change. Indian Journal of Science and Technology 13(33): 3364-3376. https://doi.org/ 10.17485/IJST/v13i33.816	URL
317	ABAD MALEAHI Comparative assessment of academic performance in Mathematics of college freshman civil engineering students: Inputs to numeracy enhancement extension project. Indian Journal of Science and Technology 13(33): 3377-3386. https://doi.org/ 10.17485/IJST/v13i33.866	URL
318	Majid NA, Taha MR, Selamat SN Historical landslide events in Malaysia 1993-2019. Indian Journal of Science and Technology 13(33): 3387-3399. https://doi.org/ 10.17485/IJST/v13i33.884	URL
319	Prajapati Y, Patel J, Kamat V Automatic Generation Control (AGC) operation in a restructured power system under Availability Based Tariff (ABT) mechanism by considering peak hours and off-peak hours. Indian Journal of Science and Technology 13(33): 3400-3408. https://doi.org/ 10.17485/IJST/v13i33.1002	URL
320	Arshad M, Almufarreh A, Jilani MT, Siddiqui FA A three-tier cluster-based routing protocol for mobile wireless sensor networks. Indian Journal of Science and Technology 13(33): 3409-3424. https://doi.org/ 10.17485/IJST/v13i33.951	URL
321	Prabhakar B, Wani TA First principle energy calculation of YBCO superconductor. Indian Journal of Science and Technology 13(33): 3425-3429. https://doi.org/10.17485/IJST/v13i33.926	URL
322	Boruah R, Nath BK, Borah D Application of geospatial technologies in flood hazard assessment of Dhemaji revenue circle, Assam. Indian Journal of Science and Technology 13(33): 3430-3444. https://doi.org/ 10.17485/IJST/v13i33.1115	URL
333	Beloor V, Swamy CJ, Nanjundeswaraswamy TS, Swamy DR, Nagesh P A study on job satisfaction and employee welfare in garment industries. Indian Journal of Science and Technology 13(33): 3445-3456. https://doi.org/10.17485/IJST/v13i33.1058	URL
334	Memon OA, Soomro AM, Kumar M, Farhan M Implementation of microgrid with integration of hybrid renewable sources using different backup techniques. Indian Journal of Science and Technology 13(33): 3457-3466. https://doi.org/ 10.17485/IJST/v13i33.763	URL

335	Tirpude S, Bharadwaj A, Sundaram R, Mane S, Holmukhe RM An investigation into awareness and usage of lead acid batteries in E-rickshaws: A field survey in New Delhi. Indian Journal of Science and Technology 13(33): 3467-3483. httpsdoi.org/10.17485/IJST/v13i33.1065	URL
336	Shamalti OAQ The level of practicing feedback patterns by students of field education majoring in Sharia and primary education at King Khalid University. Indian Journal of Science and Technology 13(33): 3484-3494. https doi.org/10.17485/IJST/v13i33.1261	URL
337	Ossai MN, Okeke FN, Obiora DN, Ibuot JC Vulnerability assessment of hydrogeologic units in parts of Enugu North, Southeastern Nigeria, using integrated electrical resistivity methods. Indian Journal of Science and Technology 13(34): 3495-3509. httpsdoi.org/ 10.17485/IJST/v13i34.1366	URL
338	Alarabi D, Abdulrahman A, Alali S, Yaghi O, Alqahtani M Utility of serological VivaDiag IgM/IgG rapid test kits for COVID-19 screening, during disease progression and following recovery. Indian Journal of Science and Technology 13(34): 3510-3514. https doi.org/10.17485/IJST/v13i34.1575	URL
339	Gill S, Vij P Security ambiguity and vulnerability in G2C eGovernance system: Empirical evidences from Indian higher education. Indian Journal of Science and Technology 13(34): 3515-3520. httpsdoi.org/ 10.17485/IJST/v13i34.1373	URL
340	Davalos Yoshida A, Gil-Herrera RJ The landlocked condition as determinant for development of internet: The Bolivian case. Indian Journal of Science and Technology 13(34): 3521-3537. httpsdoi.org/ 10.17485/IJST/v13i34.1145	URL
341	Auguskani JPL A study on faculty perspective towards alternative teaching practices (E-Learning — Blackboard) during COVID 19. Indian Journal of Science and Technology 13(34): 3538-3548. httpsdoi.org/10.17485/IJST/v13i34.1205	URL
342	Memon S, Shaikh H, Rind QB, Dehraj FUH Analysis of learning activities for children using smart phone applications in private schools. Indian Journal of Science and Technology 13(34): 3549-3554. httpsdoi.org/10.17485/IJST/v13i34.1132	URL
343	Obliopas RG, Madeja JB Research policy redirection based on analysis of target- setting and accomplishment trends in a Philippine State University. Indian Journal of Science and Technology 13(34): 3555-3560. httpsdoi.org/10.17485/IJST/v13i34.1324	URL
344	Senthilkumar A, Hari Prasad D An efficient FP-Growth based association rule mining algorithm using Hadoop MapReduce. Indian Journal of Science and Technology 13(34): 3561-3571. httpsdoi.org/ 10.17485/IJST/v13i34.1078	URL
345	Ghosh G Non-Unitarity in Neutrino mixing matrix and two and three flavored non resonant Leptogenesis from CP violation. Indian Journal of Science and Technology 13(34): 3572-3585. httpsdoi.org/ 10.17485/IJST/v13i34.643	URL

346	Ahmed W, Amjad M, Junejo KN, Mahmood T, Khan AH Is the performance of a cricket team really unpredictable? A case study on Pakistan team using machine learning. Indian Journal of Science and Technology 13(34): 3586-3599. httpsdoi.org/10.17485/IJST/v13i34.813	URL
347	Sharma MK, Gupta A, Puri N An Analysis of Metric-based Quality Design for Software Development. Indian Journal of Science and Technology 13(35): 3600-3604. httpsdoi.org/10.17485/IJST/v13i35.1013	URL
348	Hai LH, Truc LMX, Trung NQ Partial replacement of CaCO ₃ with Nano CaCO ₃ to protect metal surfaces. Indian Journal of Science and Technology 13(35): 3605-3611. httpsdoi.org/10.17485/IJST/v13i35.1246	URL
349	Madhu TA, Komala M, Rekha V, Mallikarjunaswamy S, Sharmila N, Pooja S Design of fuzzy logic controlled hybrid model for the control of voltage and frequency in microgrid. Indian Journal of Science and Technology 13(35): 3612-3629. httpsdoi.org/10.17485/IJST/v13i35.1510	URL
350	Rani PS, Padma R, Prasad RS, Kumar PR Enhancement of power quality in grid connected PV system. Indian Journal of Science and Technology 13(35): 3630-3641. httpsdoi.org/10.17485/IJST/v13i35.1266	URL
351	Simi KG, Susanth SG, Sumod SG On the vector plasma drift measurements over Equatorial Ionosphere using HF Doppler radar – A brief review. Indian Journal of Science and Technology 13(35): 3642-3651. httpsdoi.org/10.17485/IJST/v13i35.1084	URL
352	Ravi P, Naveena C, Sharathkumar YH OCR for historical Kannada documents using clustering methods. Indian Journal of Science and Technology 13(35): 3652-3663. httpsdoi.org/10.17485/IJST/v13i35.1287	URL
353	Bamane P, Patil M A comparative study of different LSTM neural networks in predicting air pollutant concentrations. Indian Journal of Science and Technology 13(35): 3664-3674. httpsdoi.org/10.17485/IJST/v13i35.1276	URL
354	Samriya JK, Kumar N A QoS Aware FTOPSIS-WOA based task scheduling algorithm with load balancing technique for the cloud computing environment. Indian Journal of Science and Technology 13(35): 3675-3684. httpsdoi.org/10.17485/IJST/v13i35.1314	URL
355	Ravikumar K, Ithaya Priya B Identification of multiple crack locations in micro cantilever beam by wavelet transforms. Indian Journal of Science and Technology 13(35): 3685-3694. httpsdoi.org/10.17485/IJST/v13i35.1472	URL
356	Adekoya AF, Kofi Nti I The COVID-19 outbreak and effects on major stock market indices across the globe: A machine learning approach. Indian Journal of Science and Technology 13(35): 3695-3706. httpsdoi.org/10.17485/IJST/v13i35.1180	URL
357	Obi CJ, Qiang X, Yeboah AM Using genetic algorithm to solve multiple traveling salesman problem and considering Carbon emissions. Indian Journal of Science and Technology 13(36): 3707-3715. httpsdoi.org/10.17485/IJST/v13i36.1316	URL
358	Jeyanthi V, Kumar GV COVID-19 outbreak: An overview and India's perspectives on the management of infection. Indian Journal of Science and Technology 13(36): 3716-3724. httpsdoi.org/10.17485/IJST/v13i36.1116	URL

359	Uqaili JA, Memon S, Bilal HM, Dehraj S, Javed M, Hussain M, Abbas M Implementation of scalable and energy efficient WSN platform for IoT applications. Indian Journal of Science and Technology 13(36): 3725-3737. httpsdoi.org/10.17485/IJST/v13i36.1263	URL
360	Akpan AS, Okeke FN, Obiora DN Assessment of updated low frequency model in delineating bypassed hydrocarbon reservoir: A 4D seismic study of 'X' - field, offshore, Niger Delta, Nigeria. Indian Journal of Science and Technology 13(36): 3738- 3753. https doi.org/10.17485/IJST/v13i36.770	URL
361	Gill S, Vij P Future framework of eGovernance architecture : A structural equitation modeling perspective. Indian Journal of Science and Technology 13(36): 3754-3761. httpsdoi.org/ 10.17485/IJST/v13i36.1596	URL
362	Patel GB, Shah KR Isolation, screening and identification of Lipase producing fungi from cotton seed soapstock. Indian Journal of Science and Technology 13(36): 3762-3771. https doi.org/10.17485/IJST/v13i36.1099	URL
363	Meenal K, Dubey DK Compliance of antibiotic prescriptions to the antibiotic policy in surgical cases at an Indian tertiary care hospital. Indian Journal of Science and Technology 13(36): 3772-3777. httpsdoi.org/10.17485/IJST/v13i36.1340	URL
364	Umrani S, Rajper S, Talpur SH, Shah IA, Shujrah A Games based learning: A case of learning Physics using Angry Birds. Indian Journal of Science and Technology 13(36): 3778-3784. https doi.org/10.17485/IJST/v13i36.853	URL
365	Sarker KU, Deraman A, Hasan R, Abbas A Explicit specification framework to manage software project effectively. Indian Journal of Science and Technology 13(36): 3785-3800. httpsdoi.org/ 10.17485/IJST/v13i36.1244	URL
366	Al-Shammari NK Dynamic simulation and design of a simple hexapod robot. Indian Journal of Science and Technology 13(36): 3801-3819. httpsdoi.org/10.17485/IJST/v13i36.175	URL
367	Balasankar V, Penumatsa SV, Terlapu PRV Intelligent socio-economic status prediction system using machine learning models on Rajahmundry A.P., SES dataset. Indian Journal of Science and Technology 13(37): 3820-3842. httpsdoi.org/10.17485/IJST/v13i37.1435	URL
368	Pokharkar OH, Lalsare KR, Mohite AS, Chavan SB Design and implementation of a low cost electric bike for domestic purposes. Indian Journal of Science and Technology 13(37): 3843-3849. https doi.org/10.17485/IJST/v13i37.1297	URL
369	Saxena P, Singh C, Sharma K Green design and product stewardship approach for two-warehouse inventory model. Indian Journal of Science and Technology 13(37): 3850-3870. https doi.org/10.17485/IJST/v13i37.290	URL
370	Thaddaeus J, Unachukwu GO, Mgbemene CA, Pesyridis A, Alshammari FA Exergy and economic assessments of an organic rankine cycle module designed for heat recovery in commercial truck engines. Indian Journal of Science and Technology 13(37): 3871-3883. httpsdoi.org/10.17485/IJST/v13i37.1299	URL

371	Shiva Kumar K, Chennakesava Reddy A Characterization of mechanical and wear properties of ABS/SiO ₂ nanoparticles. Indian Journal of Science and Technology 13(37): 3884-3892. https://doi.org/ 10.17485/IJST/v13i37.1155	URL
372	Islam MA, Sheikh A, Waterman C, Hosenuzzaman M Morphology, pod yield and nutritional quality of two cultivars of Moringa (<i>Moringa oleifera</i>) in Bangladesh. Indian Journal of Science and Technology 13(37): 3893-3903. https://doi.org/ 10.17485/IJST/v13i37.1083	URL
373	Figuerola M, Mora O, Borrero D Relationship of operating speed with pavement serviceability from the pavement condition index. Case of study: Barranquilla, Colombia. Indian Journal of Science and Technology 13(37): 3904-3909. https://doi.org/ 10.17485/IJST/v13i37.764	URL
374	Chalvatzis I, Karras DA, Papademetriou RC Reproducible modelling and simulating security vulnerability scanners evaluation framework towards risk management assessment of small and medium enterprises business networks. Indian Journal of Science and Technology 13(37): 3910-3943. https://doi.org/10.17485/IJST/v13i37.868	URL
375	Pandey SK, Tyagi HK The status of concept mapping in teaching learning process: Exploring the present awareness, use and challenges. Indian Journal of Science and Technology 13(37): 3944-3949. https://doi.org/10.17485/IJST/v13i37.1535	URL
376	Touqeer M, Saeed MN, Salamat N, Mustahsan M An extension of grey relational analysis for intuitionistic and interval-valued intuitionistic fuzzy soft sets. Indian Journal of Science and Technology 13(37): 3950-3959. https://doi.org/ 10.17485/IJST/v13i37.1356	URL
377	Nanda SK, Pani S, Beura D Recovery of Iron values through conventional beneficiation techniques from Banded Hematite Jasper of Eastern India with special reference to mineralogical and chemical characterization. Indian Journal of Science and Technology 13(38): 3960-3969. https://doi.org/ 10.17485/IJST/v13i38.681	URL
378	Acodile-Viado LAT, Namoco RA Efficiency analysis of select state universities and colleges in Southern Philippines using data envelopment analysis. Indian Journal of Science and Technology 13(38): 3970-3982. https://doi.org/10.17485/IJST/v13i38.809	URL
379	Chavan SB, Chavan MS Simulation paradigm to study circuit performance in presence of component level fault. Indian Journal of Science and Technology 13(38): 3983-3993. https://doi.org/ 10.17485/IJST/v13i38.1140	URL
380	Zaka A, Akhter AS, Jabeen R A view on characterizations of the J shaped statistical distribution. Indian Journal of Science and Technology 13(32): 3327-3338. https://doi.org/ 10.17485/IJST/v13i32.353	URL
381	Aslam S, Saleem A, Hali AU, Akram H Science students' perceptions of the learning environment in Science degree programs. Indian Journal of Science and Technology 13(38): 4003-4012. https://doi.org/ 10.17485/IJST/v13i38.1294	URL

382	Tripathi A, Islam R, Khandor V, Murugan V Prediction of IPL matches using Machine Learning while tackling ambiguity in results. Indian Journal of Science and Technology 13(38): 4013-4035. https://doi.org/ 10.17485/IJST/v13i38.1649	URL
383	Tyagi H, Malik S Online teaching in Delhi-NCR schools in India during Covid-19 pandemic. Indian Journal of Science and Technology 13(38): 4036-4054. https://doi.org/ 10.17485/IJST/v13i38.1613	URL
384	Alfattani RA, Yunus M Design of compliant mechanism for self-sanitizing glove to prevent spread of COVID-19 during mass gatherings. Indian Journal of Science and Technology 13(38): 4055-4063. https://doi.org/ 10.17485/IJST/v13i38.1488	URL
385	Keshan BGC, Wijerathna JK Implementation and validation of a closed form formula for implied volatility. Indian Journal of Science and Technology 13(38): 4064-4072. https://doi.org/ 10.17485/IJST/v13i38.1301	URL
386	Markad NT, Mahadik S Broadband circular polarized patch antenna with harmonic suppression. Indian Journal of Science and Technology 13(38): 4073-4083. https://doi.org/ 10.17485/IJST/v13i38.1682	URL
387	Albay EM, Alambra RVE, Masiong DVM, Imperial DM Sustaining the efficiency in research of an academic unit in a State University in Northern Philippines: Results from a data envelopment analysis study. Indian Journal of Science and Technology 13(39): 4084-4091. https://doi.org/ 10.17485/IJST/v13i39.1618	URL
388	Rajasekaran M, Ayyasamy A, Jebakumar R Performance and evaluation of location energy aware trusted distance source routing protocol for secure routing in WSNs. Indian Journal of Science and Technology 13(39): 4092-4108. https://doi.org/ 10.17485/IJST/v13i39.1522	URL
389	Rajeswari G, Amala M, Vasanthi T Some special structures of S^* and A^* semirings. Indian Journal of Science and Technology 13(39): 4109-4115. https://doi.org/10.17485/IJST/v13i39.1702	URL
390	Farooqi Z, Yaseen MR, Anwar S, Makhdam MSA Determinants of information and communication technology (ICT) adoption in developing countries. Indian Journal of Science and Technology 13(39): 4116-4126. https://doi.org/10.17485/IJST/v13i39.797	URL
391	Chethan K, Bhandarkar R An Efficient Medical Image Retrieval and Classification using Deep Neural Network. Indian Journal of Science and Technology 13(39): 4127-4141. https://doi.org/ 10.17485/IJST/v13i39.1621	URL
392	Sheela S, Sumathi M Enhancer for ovarian cyst segmentation using adaptive thresholding technique. Indian Journal of Science and Technology 13(39): 4142-4150. https://doi.org/ 10.17485/IJST/v13i39.1602	URL
393	Duyan KRM, Labbutan AL Money awareness among Kalinga children: An exploratory study. Indian Journal of Science and Technology 13(39): 4151-4160. https://doi.org/10.17485/IJST/v13i39.60	URL
394	Vijayabaskerreddy B, Srinivas V Some results in multiplicative metric space using absorbing mappings. Indian Journal of Science and Technology 13(39): 4161-4167. https://doi.org/ 10.17485/IJST/v13i39.1629	URL

395	Arantza Jency A, Sharma RK, Singh G Stationary solutions, critical mass, Tadpole orbits in the circular restricted three-body problem with the more massive primary as an oblate spheroid. Indian Journal of Science and Technology 13(39): 4168-4188. httpsdoi.org/ 10.17485/IJST/v13i39.1396	URL
396	Khan MY, Rao MA, Wasi S, Minai TA, Raazi SMKR Edit distance-based search approach for retrieving element-wise prosody/rhymes in Hindi-Urdu poetry. Indian Journal of Science and Technology 13(39): 4189-4202. httpsdoi.org/10.17485/IJST/v13i39.1489	URL
397	Alshammari HH Bag-of-Phrases (BoPh) and sentiment analysis of Arabic text in Twitter. Indian Journal of Science and Technology 13(40): 4202-4215. httpsdoi.org/10.17485/IJST/v13i40.1202	URL
398	Garg N, Sharma K Annotated corpus creation for sentiment analysis in code-mixed Hindi-English (Hinglish) social network data. Indian Journal of Science and Technology 13(40): 4216-4224. httpsdoi.org/ 10.17485/IJST/v13i40.1451	URL
399	Rajput NH, Bukhari SMA, Noonari N, Rajput JA Technology in action: Ascertaining the impact of cell phone calls on middle school students placed at risk of drop out. Indian Journal of Science and Technology 13(40): 4224-4233. httpsdoi.org/10.17485/IJST/v13i40.1236	URL
400	Naive AFE, Estrera PJM, Pachica AO Design and implementation of faculty class attendance monitoring system using BLE beacons. Indian Journal of Science and Technology 13(40): 4234-4243. httpsdoi.org/ 10.17485/IJST/v13i40.1527	URL
401	Omotunde VB, Olatunji AS, Ehinola OA, Afolabi OA, Abdus-Salam MO, Olajide-Kayode OJ Mineralogy and Geochemistry of Hydrothermally altered Talcose rocks from Ila Orangun-Oyan areas, part of Southwestern Nigeria. Indian Journal of Science and Technology 13(40): 4244-4261. httpsdoi.org/ 10.17485/IJST/v13i40.1686	URL
402	Jainth S, Dahiya S, Kumar S Design and simulation of strip loaded and rib waveguide with integration of 2D material. Indian Journal of Science and Technology 13(40): 4262-4274. httpsdoi.org/ 10.17485/IJST/v13i40.1648	URL
403	Suguna GC, Veerabhadrapa ST Denoising wrist pulse signals using variance thresholding technique. Indian Journal of Science and Technology 13(41): 4275-4286. https doi.org/10.17485/IJST/v13i40.1625	URL
404	Madhu P, Sujatha V Joint optimization on resource allocation with coordinated scheduling-based transmission for interference handling in Femtocell networks. Indian Journal of Science and Technology 13(41): 4287-4296. httpsdoi.org/ 10.17485/IJST/v13i41.1618	URL
405	Auguskani JPL, Mohammed IHA, Abdalla AAA, Mohammed NAS A cross-sectional study on awareness, attitude and perception of COVID 19 among the people of Kingdom of Saudi Arabia.. Indian Journal of Science and Technology 13(41): 4297-4306. httpsdoi.org/ 10.17485/IJST/v13i41.1851	URL
406	Priyanka S, Kirubakaran R, Mary Leema JT Statistical optimization of culture medium composition for enhanced zeaxanthin production by Cyanophycean microalgae Trichodesmium thiebautii (NIOT 152). Indian Journal of Science and Technology 13(41): 4307-4318. https doi.org/10.17485/IJST/v13i41.1291	URL

407	Abdus-Salam M, Bolarinwa A, Olatunji A, Fullen M, Afolabi A, Omotunde V, Olajide- Kayode J, Olisa O Geochemistry and mineral chemistry of quartz mica schists within Iseyin-Oyan Schist Belt, Southwestern Nigeria. Indian Journal of Science and Technology 13(41): 4319-4331. httpsdoi.org/10.17485/IJST/v13i41.1628	URL
408	Shashi Raj K, Siddesh GK, Mallikarjunaswamy S, Vivek Raj K Interference resilient stochastic prediction based dynamic resource allocation model for cognitive MANETs. Indian Journal of Science and Technology 13(41): 4332-4350. httpsdoi.org/10.17485/IJST/v13i41.687	URL
409	Malik S, Tyagi HK A study of parent's opinion on online teaching in Delhi-NCR schools. Indian Journal of Science and Technology 13(42): 4351-4363. httpsdoi.org/10.17485/IJST/v13i42.1664	URL
410	Purohit S, Jain AK Technological transition from analog to internet of things (IoT) on Indian petro-retail's customer service. Indian Journal of Science and Technology 13(42): 4364-4368. httpsdoi.org/10.17485/IJST/v13i42.1964	URL
411	Prof (Dr.) Anil Vashisht , Harendra Singh Usage of rainfall derivatives to hedge rainfall risk: A feasibility study of Gwalior Chambal region. Indian Journal of Science and Technology 13(42): 4369-4373. httpsdoi.org/10.17485/IJST/v13i42.1771	URL
412	K Chidananda Murthy , Mandi MV, Murali R Performance evaluation of chaotic spreading codes in massive MIMO OFDM system. Indian Journal of Science and Technology 13(42): 4374-4385. httpsdoi.org/10.17485/IJST/v13i42.2027	URL
413	Irum S, Bhatti T, Abbasi WA, Dilshad M Blended Learning: Innovative challenge faced by students at University level in Pakistan. Indian Journal of Science and Technology 13(42): 4386-4395. httpsdoi.org/10.17485/IJST/v13i42.1212	URL
414	Sathya M, Manju Priya S A search space enhanced modified whale optimization algorithm for feature selection in large-scale microarray datasets. Indian Journal of Science and Technology 13(42): 4396-4406. httpsdoi.org/10.17485/IJST/v13i42.767	URL
415	Muthukumaran APK, Vani H Optimizing the usage of voice assistants for shopping. Indian Journal of Science and Technology 13(43): 4407-4416. httpsdoi.org/10.17485/IJST/v13i43.1911	URL
416	Bahrouji F, Peyrowan HR An accurate and practical analysis for Neogene-marls in Central regions of Iran. Indian Journal of Science and Technology 13(43): 4417-4433. httpsdoi.org/10.17485/IJST/v13i43.1146	URL
417	Dina SF, Jufrizal , Siti Masriani R, Sipahutar EH, Limbong HP, Misran E Performance of paddy dryer with screw conveyor assisted parabolic cylinder collector as thermal generator. Indian Journal of Science and Technology 13(43): 4446-4453. httpsdoi.org/10.17485/IJST/v13i43.1385	URL
418	Chaudhary KU, Padhiar A Dilute acid pretreatment and enzymatic sachharification of cotton ginning waste. Indian Journal of Science and Technology 13(43): 4454-4464. httpsdoi.org/10.17485/IJST/v13i43.506	URL

419	Kavitha C, Valli NA, Dasari M Optimization of two-stage NLFM signal using Heuristic approach. Indian Journal of Science and Technology 13(44): 4465-4473. httpsdoi.org/ 10.17485/IJST/v13i44.1841	URL
420	Garbhapu VK, Bodapati P A comparative analysis of Latent Semantic analysis and Latent Dirichlet allocation topic modeling methods using Bible data. Indian Journal of Science and Technology 13(44): 4474-4482. httpsdoi.org/ 10.17485/IJST/v13i44.1479	URL
421	Beaula C, Venugopal P Cryptosystem using double vertex graph. Indian Journal of Science and Technology 13(44): 4483-4489. httpsdoi.org/ 10.17485/IJST/v13i44.1699	URL
422	Srinivas V, Thirupathi T A result on Banach Space using Property E.A. Indian Journal of Science and Technology 13(44): 4490-4499. httpsdoi.org/ 10.17485/IJST/v13i44.1909	URL
423	Chettri D, Pradhan N Agricultural diversification in Sikkim: A move towards organic high-value agriculture. Indian Journal of Science and Technology 13(44): 4500-4505. httpsdoi.org/ 10.17485/IJST/v13i44.1698	URL
424	Mutmainah , Franyoto YD, Puspitaningrum I, Kusmita L Sunscreen activity on fruit skin extract of Annatto (<i>Bixa orellana</i> L.) in vitro. Indian Journal of Science and Technology 13(45): 4506-4512. httpsdoi.org/ 10.17485/IJST/v13i45.2143	URL
425	Pandey P, Sharma K Healthy living aspect in urban and rural school children through physical education learning. Indian Journal of Science and Technology 13(45): 4513-4520. httpsdoi.org/ 10.17485/IJST/v13i45.1966	URL
426	Al-Rawi M, Sharma C, Zhou H Optimization of pipeline reducer using computational fluid dynamics (CFD) modelling. Indian Journal of Science and Technology 13(45): 4521-4531. httpsdoi.org/ 10.17485/IJST/v13i45.1911	URL
427	Pareek M, Pandey MK, Priyadarshi P Emerging technologies enabling the digital transformation of motor insurance in India. Indian Journal of Science and Technology 13(45): 4532-4540. httpsdoi.org/ 10.17485/IJST/v13i45.1846	URL
428	Umamaheswari D, Geetha S Bi-Level algorithm for the segmentation and counting of Leukocytes and Erythrocytes. Indian Journal of Science and Technology 13(45): 4541-4554. httpsdoi.org/10.17485/IJST/v13i45.328	URL
429	Mahmoud ERI Enhancement of the tribological performance of pure titanium (CP-Ti) through YAG laser technique. Indian Journal of Science and Technology 13(46): 4555-4563. httpsdoi.org/10.17485/IJST/v13i46.1858	URL
430	González AB, Girón JO, Cornejo ND, Garcés OG, Garcés LR Resistance profiles of bacterial pathogens isolated in a hospital institution in Montería - Córdoba, 2018. Indian Journal of Science and Technology 13(46): 4564-4572. httpsdoi.org/ 10.17485/IJST/v13i46.1897	URL
431	Phukon KK Incorporation of contextual information through Graph Modeling in Web content mining. Indian Journal of Science and Technology 13(46): 4573-4578. httpsdoi.org/ 10.17485/IJST/v13i46.1660	URL

432	Rathna Kumar SB, Chaithanya Sushma P, Mohanty P, Gupta MK, Sharma RP Speech perception performance of Telugu speaking elderly population and number of compression channels in digital hearing aid technology. Indian Journal of Science and Technology 13(46): 4579-4586. httpsdoi.org/10.17485/IJST/v13i46.1953	URL
433	Tavacioğlu L, Eski O, Demir B, Gökmen N, Algan M The non-technical skills of bridge officers on ship navigation: An assessment in terms of interpersonal skills. Indian Journal of Science and Technology 13(46): 4587-4594. httpsdoi.org/10.17485/IJST/v13i46.1646	URL
434	Fayyaz S, Bukhari FK, Pano S, Ansari JN, Maqbool N, Akbar J Impact of Socioeconomic status on depression of Elderly in Punjab, Pakistan. Indian Journal of Science and Technology 13(47): 4595-4602. httpsdoi.org/10.17485/IJST/v13i47.1537	URL
435	Gajendran N, Shanthi V, Aalelai Vendhan M Rejuvenation of online research interactive fora during COVID-19. Indian Journal of Science and Technology 13(47): 4603-4605. https doi.org/10.17485/IJST/v13i47.2230	URL
436	Ramachandrani UR, Namala Y Analytical solutions of some mechanics problems by Elzaki transform. Indian Journal of Science and Technology 13(47): 4606-4618. httpsdoi.org/10.17485/IJST/v13i47.1971	URL
437	Pagatpatan Jr. AC Narratives of financially challenged ESSU Guian graduates who attained educational and career success. Indian Journal of Science and Technology 13(47): 4619-4630. httpsdoi.org/10.17485/IJST/v13i47.2074	URL
438	Chadalavada RJ, Raghavendra S, Rekha V Electricity requirement prediction using time series and Facebook's PROPHET. Indian Journal of Science and Technology 13(47): 4631-4645. httpsdoi.org/10.17485/IJST/v13i47.1847	URL
439	Elbelgehy AGA, AbdElrazek S, El-Bakry HM, Riad AM Performance evaluation of virtual cloud labs using hypervisor and container. Indian Journal of Science and Technology 13(48): 4646-4653. httpsdoi.org/10.17485/IJST/v13i48.2085	URL
441	Demilie WB Analysis of implemented part of speech tagger approaches: The case of Ethiopian languages. Indian Journal of Science and Technology 13(48): 4661-4671. httpsdoi.org/10.17485/IJST/v13i48.1876	URL
442	Kumar J, Kumar V, Singh VK, Mittal U, Fahim , Barlewar DS, Nimal AT GC-SAW and GC-FID performance comparison for fast analysis of volatile organic compounds. Indian Journal of Science and Technology 13(48): 4672-4678. httpsdoi.org/10.17485/IJST/v13i48.1611	URL
443	Joshi Manisha S , Umadevi V , Akshitha Raj B N Computerized pragmatic assessment of Prakriti Doshha using tongue images- Pilot study. Indian Journal of Science and Technology 13(48): 4679-4698. httpsdoi.org/10.17485/IJST/v13i48.1626	URL
444	Devi Priya B, Thyagarajan M An investigation on production and productivity export performance of significant spices in the Country India. Indian Journal of Science and Technology 13(48): 4699-4707. httpsdoi.org/10.17485/IJST/v13i48.2191	URL

445	Maruthi Prasad K, Yasa PR Electrically conducting fluid flow with Nanoparticles in an inclined tapering Stenoses Artery through porous medium. Indian Journal of Science and Technology 13(48): 4708-4722. httpsdoi.org/10.17485/IJST/v13i48.2162	URL
446	Alam MR, Islam T, Rahman M, Antor MAAN, Rahman R, Tamanna TA Sustainable denim fabric washing with post-used rubber shoe sole: An eco-friendly alternative of Pumice stone. Indian Journal of Science and Technology 13(48): 4723-4731. https://doi.org/10.17485/IJST/v13i48.1974	URL
447	Jayashree Lakshmi P, Vanmathi Selvi K Genetic analysis of low-density polyethylene degrading bacteria from plastic dump sites. Indian Journal of Science and Technology 13(48): 4732-4738. httpsdoi.org/10.17485/IJST/v13i48.2066	URL
448	Attiyah SM, Elsayed HM, Al-Mughales JA, Moharram AB, Abdel-Fattah M Critical cases of COVID-19 patients can be predicted by the biomarkers of complete blood count. Indian Journal of Science and Technology 13(48): 4739-4745. httpsdoi.org/10.17485/IJST/v13i48.2033	URL