

Published Articles: 2021

1. **Rajendran Jagadheesan, Jeganathan Pandiyan.** Temporal variations of large wading birds in the Point Calimere Wildlife Sanctuary, Tamil Nadu, India. *Indian Journal of Science and Technology*. 2021; 14(1): pp. 1-7. [DOI:10.17485/IJST/v14i1.2251](https://doi.org/10.17485/IJST/v14i1.2251).
2. **Naidila Sadashiv, Ankur Garg, Avinash Kumar, Ashwani Verma, Chandan Adhikari, S M Dilip Kumar.** An artificial intelligence based approach for increasing agricultural yield. *Indian Journal of Science and Technology*. 2021; 14(1): pp. 8-21. [DOI:10.17485/IJST/v14i1.1977](https://doi.org/10.17485/IJST/v14i1.1977).
3. **T Rajalakshmi, S Sathappan.** A Novel Parameter Reduction Method for Simplifying Improved RC-IDeepRT. *Indian Journal of Science and Technology*. 2021; 14(1): pp. 22-32. [DOI:10.17485/IJST/v14i1.1311](https://doi.org/10.17485/IJST/v14i1.1311).
4. **Vidhi Raval, Amit Patel.** Narrowband aperture coupled waveguide to microstrip transition for space applications. *Indian Journal of Science and Technology*. 2021; 14(1): pp. 33-45. [DOI:10.17485/IJST/v13i1.1848](https://doi.org/10.17485/IJST/v13i1.1848).
5. **Baro Jiten, Singh Kangujam Priyokumar, Singh T Alexander.** Mathematical analysis on anisotropic Bianchi Type-III inflationary string Cosmological models in Lyra geometry. *Indian Journal of Science and Technology*. 2021; 14(1): pp. 46-54. [DOI:10.17485/IJST/v14i1.1705](https://doi.org/10.17485/IJST/v14i1.1705).
6. **Savita, Ravinder Kumar Sahrawat, Meenal Malik.** Stresses in a monoclinic elastic plate placed upon an irregular monoclinic elastic half space. *Indian Journal of Science and Technology*. 2021; 14(1): pp. 55-70. [DOI:10.17485/IJST/v14i1.1874](https://doi.org/10.17485/IJST/v14i1.1874).
7. **W Pancapalaga, Suyatno, A Malik.** Crust leather quality with eco- printing dyeing method. *Indian Journal of Science and Technology*. 2021; 14(1): pp. 71-75. [DOI:10.17485/IJST/v14i1.1982](https://doi.org/10.17485/IJST/v14i1.1982).
8. **Alok Kumar Pani, Manohar M , Rajdeep Kumar.** An efficient algorithmic technique for feature selection in IoT based intrusion detection system. *Indian Journal of Science and Technology*. 2021; 14(1): pp. 76-85. [DOI:10.17485/IJST/v14i1.2057](https://doi.org/10.17485/IJST/v14i1.2057).
9. **Asha, Sandeep Dahiya.** A comprehensive review of Millimeter wave based radio over fiber for 5G front haul transmissions. *Indian Journal of Science and Technology*. 2021; 14(1): pp. 86-100. [DOI:10.17485/IJST/v14i1.2177](https://doi.org/10.17485/IJST/v14i1.2177).

10. **FDaisy Selasteen and Alfred Cecil Raj.** A study on non-linear optical properties of Copper Sodium Tartrate single crystal for non-linear optical applications. *Indian Journal of Science and Technology*. 2021; 14(2): pp. 101-112. [DOI:10.17485/IJST/v14i2.1561](https://doi.org/10.17485/IJST/v14i2.1561).
11. **Manoj R Gaware.** Studies of molar refraction and polarizability constant of 6-(4-chlorophenyl)-1,2,3,4-tetrahydro-2, 4-dioxopyrimidine-5- carbonitrile in 60% DMSO in the temperature range 298 to 313 K. *Indian Journal of Science and Technology*. 2021; 14(2): pp. 113-118. [DOI:10.17485/IJST/v14i2.2118](https://doi.org/10.17485/IJST/v14i2.2118).
12. **Sawsan Salem, Obadah Al-Habashneh, Omar Lasassmeh.** Data mining techniques for classifying and predicting Teachers' performance based on their evaluation reports. *Indian Journal of Science and Technology*. 2021; 14(2): pp. 119-130. [DOI:10.17485/IJST/v14i2.2149](https://doi.org/10.17485/IJST/v14i2.2149).
13. **E Kalaiarasi, A Anbarasi.** Crop yield prediction using multi-parametric deep neural networks. *Indian Journal of Science and Technology*. 2021; 14(2): pp. 131-140. [DOI:10.17485/IJST/v14i2.2115](https://doi.org/10.17485/IJST/v14i2.2115).
14. **T Mythili, A Anbarasi.** Enhanced segmentation network with deep learning for Biomedical waste classification. *Indian Journal of Science and Technology*. 2021; 14(2): pp. 141-153. [DOI:10.17485/IJST/v14i2.2137](https://doi.org/10.17485/IJST/v14i2.2137).
15. **Seema Agrawal, Chavi Sharma, Dinesh Birla.** Enhanced PLL (EPLL) Synchronization and HBCC Controlling of Grid-Interactive (PV-SOFC) Hybrid Generating System. *Indian Journal of Science and Technology*. 2021; 14(2): pp. 154-169. [DOI:10.17485/IJST/v14i2.2079](https://doi.org/10.17485/IJST/v14i2.2079).
16. **Praveen Bhatt, Sushil Kumar.** Electron impact ionization cross-sections of Chromium. *Indian Journal of Science and Technology*. 2021; 14(2): pp. 170-180. [DOI:10.17485/IJST/v14i2.1829](https://doi.org/10.17485/IJST/v14i2.1829).
17. **Sushil Kumar, Praveen Bhatt.** Partial ionization cross sections of Silicon by Electronimpact Ionization process. *Indian Journal of Science and Technology*. 2021; 14(2): pp. 181-189. [DOI:10.17485/IJST/v14i2.1893](https://doi.org/10.17485/IJST/v14i2.1893).
18. **KAnandan, RShankar, SDuraisamy.** Convolutional Neural Network approach for the prediction of Soil texture properties. *Indian Journal of Science and Technology*. 2021; 14(3): pp. 190-196. [DOI:10.17485/IJST/v14i3.2047](https://doi.org/10.17485/IJST/v14i3.2047).
19. **Fernan Peniero Tupas, Louiege B Banas.** Traditional Science learning in local recipes: A cross-disciplinary exposition. *Indian Journal of Science and Technology*. 2021; 14(3): pp. 197-207. [DOI:10.17485/IJST/v14i3.1332](https://doi.org/10.17485/IJST/v14i3.1332).

20. **Razel Zerrudo Padronia**. Rapid assessment of economically important species in the municipality of Concepcion. *Indian Journal of Science and Technology*. 2021; 14(3): pp. 208-219. [DOI:10.17485/IJST/v14i3.1808](https://doi.org/10.17485/IJST/v14i3.1808).
21. **P Deebika, A Merline Sheela, Rllamathi**. Biochar and compost-based phytoremediation of crude oil contaminated soil. *Indian Journal of Science and Technology*. 2021; 14(3): pp. 220-228. [DOI:10.17485/IJST/v14i3.1178](https://doi.org/10.17485/IJST/v14i3.1178).
22. **Nasim Tahsildar, Rahmatullah Hasani**. Faculty-perceived research skills and research productivity: A case study at a public University in Afghanistan. *Indian Journal of Science and Technology*. 2021; 14(3): pp. 229-238. [DOI:10.17485/IJST/v14i3.2065](https://doi.org/10.17485/IJST/v14i3.2065).
23. **Henrilyn E. Loñez, Tules P Banwa**. Butterfly Pea (*Clitoria ternatea*): A natural colorant for soft candy (Gummy Candy). *Indian Journal of Science and Technology*. 2021; 14(3): pp. 239-244. [DOI:10.17485/IJST/v14i3.582](https://doi.org/10.17485/IJST/v14i3.582).
24. **Devendra Pareek, Pallavi Sengar**. Decrement of secondary gamma radiation flux during lunar eclipse June 16, 2011. *Indian Journal of Science and Technology*. 2021; 14(3): pp. 245-250. [DOI:10.17485/IJST/v14i3.2232](https://doi.org/10.17485/IJST/v14i3.2232).
25. **A A Ghoto, G H Mir Talpur, SA Kamboh**. Estimation and forecasting of the inflation, interest, literacy and unemployment rate of Pakistan using nonlinear regression models. *Indian Journal of Science and Technology*. 2021; 14(3): pp. 251-258. [DOI:10.17485/IJST/v14i3.1812](https://doi.org/10.17485/IJST/v14i3.1812).
26. **Lourdes V Alvarez, Arcibel B Bautista**. Growth and yield performance of *Pleurotus* on selected Lignocellulosic wastes in the vicinity of PUP main campus, Philippines. *Indian Journal of Science and Technology*. 2021; 14(3): pp. 259-269. [DOI:10.17485/IJST/v14i3.389](https://doi.org/10.17485/IJST/v14i3.389).
27. **M L Umashankar, T N Anitha, S Mallikarjunaswamy**. An efficient hybrid model for cluster head selection to optimize wireless sensor network using simulated annealing algorithm. *Indian Journal of Science and Technology*. 2021; 14(3): pp. 270-288. [DOI:10.17485/IJST/v14i3.2318](https://doi.org/10.17485/IJST/v14i3.2318).
28. **Indiwar Singh Chauhan, TS Chauhan, Mohammad Gauhar**. Generalised neo-pseudo projective recurrent Finsler space. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 289-296. [DOI:10.17485/IJST/v14i4.1410](https://doi.org/10.17485/IJST/v14i4.1410).
29. **Owusu Nyarko-Boateng, Adebayo FAdekoya, Benjamin AWeyori**. Tracing the exact location of failures in underground optical networks using LSTM deep learning model. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 297-309. [DOI:10.17485/IJST/v14i4.2008](https://doi.org/10.17485/IJST/v14i4.2008).

30. Siddesh Matti, BP Shivakumar, S Shashidhar, Madeva Nagara. Dry sliding wear behavior of Mica, Fly Ash and Red Mud particles reinforced Al7075 alloy hybrid metal matrix composites. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 310-318. [DOI:10.17485/IJST/v14i4.2081](https://doi.org/10.17485/IJST/v14i4.2081).
31. Ashu Goyal, SKShukla, RKSarin. A comparative study of audio latency feature of Motorola and Samsung mobile phones in forensic identification. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 319-324. [DOI:10.17485/IJST/v14i4.2108](https://doi.org/10.17485/IJST/v14i4.2108).
32. Badeea Tabaza, Obadah Al-Habashneh, Omar Lasassmeh. An adaptive intelligent framework for assessment & selection process in staffing task. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 325-334. [DOI:10.17485/IJST/v14i4.2154](https://doi.org/10.17485/IJST/v14i4.2154).
33. Panich Intra, Paisarn Wanusbodeepaisarn, Thanesvorn Siri-achawawath. Performance evaluation of corona discharger for unipolar charging of submicron aerosol particles in the size range of 20–300 nm. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 335-350. [DOI:10.17485/IJST/v14i4.1878](https://doi.org/10.17485/IJST/v14i4.1878).
34. B Madhu, Ganga Holi. CNN approach for medical image authentication. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 351-360. [DOI:10.17485/IJST/v14i4.1963](https://doi.org/10.17485/IJST/v14i4.1963).
35. KNKusuma, HLakshmi Ram Prasath. Application of Feature Based Principal Component Analysis (FPCA) technique on Landsat8 OLI multispectral data to map Kimberlite pipes. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 361-372. [DOI:10.17485/IJST/v14i4.1741](https://doi.org/10.17485/IJST/v14i4.1741).
36. Lokesh Kumar Agrawal, Bhavesh Kumar Chauhan, Nitin Kumar Saxena, Puneet Joshi. Speed control of BLDC motor with neural controller. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 373-381. [DOI:10.17485/IJST/v14i4.2164](https://doi.org/10.17485/IJST/v14i4.2164).
37. Panjakumar Karunamoorthy, Embirahalli Mani Rajesh, Beerappa Ravichandran, Dhananjayan Venugopal, Karthik Gunasekaran, Hariharan Naina, Mala Ambikapathy. Pulmonary function impairment and lung infections among tannery workers in Southern India. *Indian Journal of Science and Technology*. 2021; 14(4): pp. 382-392. [DOI:10.17485/IJST/v14i4.1869](https://doi.org/10.17485/IJST/v14i4.1869).
38. P Meenapriya, K Uma Maheswari, Nirmala P Ratchagar. Concentration of air pollutants in an inclined channel with the effect of electric and magnetic

field. *Indian Journal of Science and Technology*. 2021; 14(5): pp. 393-405. [DOI:10.17485/IJST/v14i5.1661](https://doi.org/10.17485/IJST/v14i5.1661).

39. Bindu Achary, Sivabalan Rohini. Electron micrograph studies on the effects of fluoxetine in depression-induced adult female rat ovaries. *Indian Journal of Science and Technology*. 2021; 14(5): pp. 406-114. [DOI:10.17485/IJST/v14i5.2080](https://doi.org/10.17485/IJST/v14i5.2080).
40. Kola Veerabrahmam, D S V Prasad. A review on the effect of eggshell powder on engineering properties of expansive soil. *Indian Journal of Science and Technology*. 2021; 14(5): pp. 415-426. [DOI:10.17485/IJST/v14i5.56](https://doi.org/10.17485/IJST/v14i5.56).
41. G Upender Reddy, T Siva Nageswara Rao, N Srinivasa Rao, V Venkateswara Rao. Bipolar single valued neutrosophic detour distance. *Indian Journal of Science and Technology*. 2021; 14(5): pp. 427-431. [DOI:10.17485/IJST/v14i5.2102](https://doi.org/10.17485/IJST/v14i5.2102).
42. S Chaitra, V Rekha, A M Harisha, T A Madhu, S Mallikarjunaswamy, N Sharmila, H N Mahendra. A comprehensive review of parallel concatenation of LDPC code techniques. *Indian Journal of Science and Technology*. 2021; 14(5): pp. 432-444. [DOI:10.17485/IJST/v14i5.2171](https://doi.org/10.17485/IJST/v14i5.2171).
43. Bhavik Arvindbhai Brambhatt, Hina Chandwani. Experimental assessment of Single Phase Grid assisted system using Second Order Generalized Integrator-Frequency Locked Loop. *Indian Journal of Science and Technology*. 2021; 14(5): pp. 445-456. [DOI:10.17485/IJST/v14i5.1568](https://doi.org/10.17485/IJST/v14i5.1568).
44. Sakshi Gupta, Ravi S Shukla, Rajesh K Shukla. Weighted Mel frequency cepstral coefficient based feature extraction for automatic assessment of stuttered speech using Bi-directional LSTM. *Indian Journal of Science and Technology*. 2021; 14(5): pp. 457-472. [DOI:10.17485/IJST/v14i5.2276](https://doi.org/10.17485/IJST/v14i5.2276).
45. Yan Huang, Chen Zhang, Abdul Razaque Chhachhar. Deepening media convergence with 5G: The logic of sustainable development of China's broadcasting network. *Indian Journal of Science and Technology*. 2021; 14(5): pp. 473-480. [DOI:10.17485/IJST/v14i5.2088](https://doi.org/10.17485/IJST/v14i5.2088).
46. Biswajit Das. Radon induced health effects: A survey report. *Indian Journal of Science and Technology*. 2021; 14(5): pp. 481-507. [DOI:10.17485/IJST/v14i5.1049](https://doi.org/10.17485/IJST/v14i5.1049).
47. Irfan Abbas, Munib Ahmad, Muhammad Imran, Muhammad Nadeem Khan, Zohaib Zafar Khan Niazi, Syed Muhammad Usman Raza, Aamir Naveed, Zulfiqar Ali. Role of data mining techniques in business. *Indian Journal of*

Science and Technology. 2021; 14(5): pp. 508-518.
[DOI:10.17485/IJST/v14i5.315](https://doi.org/10.17485/IJST/v14i5.315).

48. P Ram Mohan Rao, S Murali Krishna, APSiva Kumar. Novel algorithm for efficient privacy preservation in data analytics. *Indian Journal of Science and Technology*. 2021; 14(6): pp. 519-526. [DOI:10.17485/IJST/v14i6.1773](https://doi.org/10.17485/IJST/v14i6.1773).
49. CThinkal Dayana, KSMithra, SSanjith. An unconventional SVM classification using Chaos Pso optimization for lung cancer discovery. *Indian Journal of Science and Technology*. 2021; 14(6): pp. 527-533.
[DOI:10.17485/IJST/v14i6.1810](https://doi.org/10.17485/IJST/v14i6.1810).
50. M B S Sugunakar, K N Maruthy, C H Srinivas, Priscilla Johnson. A comparative study between single lead AD8232 heart rate monitor and standard electrocardiograph to acquire electrocardiographic data for cardiac autonomic function testing. *Indian Journal of Science and Technology*. 2021; 14(6): pp. 534-540. [DOI:10.17485/IJST/v14i6.1822](https://doi.org/10.17485/IJST/v14i6.1822).
51. S G Susanth. Observations of long period HF Doppler oscillations over the dip equatorial ionosphere in the Indian longitudinal sector. *Indian Journal of Science and Technology*. 2021; 14(6): pp. 541-546.
[DOI:10.17485/IJST/v14i6.2023](https://doi.org/10.17485/IJST/v14i6.2023).
52. NCSachithanantham, V Jaiganesh. Unified energy efficient distributed network management protocol to forward the datapackets and to improve QoS in Wireless Sensor Networks. *Indian Journal of Science and Technology*. 2021; 14(6): pp. 547-557. [DOI:10.17485/IJST/v14i6.128](https://doi.org/10.17485/IJST/v14i6.128).
53. Muhammad Mustahsan, Hafiz Muhammad Younas, Nadeem Salamat, Muhammad Touqeer, Muntazim Abbas. Modeling the thermo physical behavior of metallic porous fin on varying convective loads. *Indian Journal of Science and Technology*. 2021; 14(6): pp. 558-572.
[DOI:10.17485/IJST/v14i6.1761](https://doi.org/10.17485/IJST/v14i6.1761).
54. T DFernando, Yohan L N Mathota Arachchige, W NCP Nawarathne. Adsorption of diazinon residues from water by Strychnos potatorum seed flakes: Equilibrium isotherm and thermodynamic analysis. *Indian Journal of Science and Technology*. 2021; 14(6): pp. 573-581.
[DOI:10.17485/IJST/v14i6.2160](https://doi.org/10.17485/IJST/v14i6.2160).
55. Nausheen Ayub, Aslam Malik. q-Rung Orthopair Dual Hesitant Fuzzy Bonferroni Mean Operators. *Indian Journal of Science and Technology*. 2021; 14(6): pp. 582-603. [DOI:10.17485/IJST/v14i6.1838](https://doi.org/10.17485/IJST/v14i6.1838).

56. **Santanu Purohit, Arvind Kumar Jain.** Leveraging IOT and AI for delivering tailor made customer experiences in Indian petro retailing. *Indian Journal of Science and Technology*. 2021; 14(7): pp. 604-609. [DOI:10.17485/IJST/v14i7.3](https://doi.org/10.17485/IJST/v14i7.3).
57. **Wen Xu, Itagi R Kumar, Thaiyar M Srinivasan.** Effects of Yama and Niyama on body energy systems: Evidence from Electro Photonic Imaging - A randomised controlled trial. *Indian Journal of Science and Technology*. 2021; 14(7): pp. 610-617. [DOI:10.17485/IJST/v14i7.66](https://doi.org/10.17485/IJST/v14i7.66).
58. **Bhargav Rajyagor, Rajnish Rakholia.** Tri-level handwritten text segmentation techniques for Gujarati language. *Indian Journal of Science and Technology*. 2021; 14(7): pp. 618-627. [DOI:10.17485/IJST/v14i7.2146](https://doi.org/10.17485/IJST/v14i7.2146).
59. **S M Anushree, P Nagesh, Sridevi Kulenur.** The identification and evaluation of factors influencing quality management in selected higher education institutions. *Indian Journal of Science and Technology*. 2021; 14(7),pp. 628-635. [DOI:10.17485/IJST/v14i7.223](https://doi.org/10.17485/IJST/v14i7.223).
60. **RGowriPrakash, RShankar, SDuraisamy.** Resource utilization prediction with multipath traffic routing for congestion-aware VM migration in cloud computing. *Indian Journal of Science and Technology*. 2021; 14(7): pp. 636-651. [DOI:10.17485/IJST/v14i7.1901](https://doi.org/10.17485/IJST/v14i7.1901).
61. **Yasin Mumtaz, Ahmadullah Nasiri, Shimosato Tetsuhiro.** A comparative study on retrofitting concrete column by FRP-Wrapping and RC-Jacketing methods: A feasibility study for Afghanistan. *Indian Journal of Science and Technology*. 2021; 14(7): pp. 652-664. [DOI:10.17485/IJST/v14i7.141](https://doi.org/10.17485/IJST/v14i7.141).
62. **Virginia Roa-Angulo, Andrés Forero-Jiménez.** Study of the behavior of Cellulolytic microorganisms and Phosphate solubilizers associated with Rhizospheric soil of *Espeletia grandiflora* in two zones with different degree of intervention in Páramo Ocetá, Colombia. *Indian Journal of Science and Technology*. 2021; 14(7): pp. 665-675. [DOI:10.17485/IJST/v14i7.1279](https://doi.org/10.17485/IJST/v14i7.1279).
63. **Kumcham Prasad, Gutturu Rajasekhara Reddy, Borelli Deva Prasad Raju.** Surfactant assisted morphological transformation of rod-like ZnCo₂O₄ into hexagonal-like structures for high-performance supercapacitors. *Indian Journal of Science and Technology*. 2021; 14(7): pp. 676-689. [DOI:10.17485/IJST/v14i7.2002](https://doi.org/10.17485/IJST/v14i7.2002).
64. **Kusum Yadav, Sawsan A Saad.** Gametheory based adaptive transmit power control algorithm for IoT wireless sensor networks. *Indian Journal of Science and Technology*. 2021; 14(7): pp. 690-697. [DOI:10.17485/IJST/v14i7.1258](https://doi.org/10.17485/IJST/v14i7.1258).

65. **Jay Shree, AAShinde.** A low-cost absorbance measurement device using microcontroller. *Indian Journal of Science and Technology*. 2021; 14(8): pp. 698-706. [DOI:10.17485/IJST/v14i8.2203](https://doi.org/10.17485/IJST/v14i8.2203).
66. **Sweta Matta, BalaSidduluMalga, Lakshmi Appidi, PPramod Kumar.** Radiation and chemical reaction effects on unsteady MHD free convection mass transfer fluid flow in a porous plate. *Indian Journal of Science and Technology*. 2021; 14(8): pp. 707-717. [DOI:10.17485/IJST/v14i8.20](https://doi.org/10.17485/IJST/v14i8.20).
67. **DevendraPareek, Prajesh Purohit.** Transit of theSunacross constellation Libra and variation of secondary gamma radiation flux in the month of October and November, 2020 at Udaipur, India. *Indian Journal of Science and Technology*. 2021; 14(8): pp. 718-724. [DOI:10.17485/IJST/v14i8.263](https://doi.org/10.17485/IJST/v14i8.263).
68. **Kukatlapalli Pradeep Kumar, Vinay Jha Pillai, K Sarath Chandra, Cherukuri Ravindranath Chowdary.** Disaster recovery and risk management over private networks using data provenance: Cyber security perspective. *Indian Journal of Science and Technology*. 2021; 14(8): pp. 725-737. [DOI:10.17485/IJST/v14i8.1833](https://doi.org/10.17485/IJST/v14i8.1833).
69. **Sandeep Dalal.** Futuristic investigative study of IoT/Green IoT as a driving force for sustainable development. *Indian Journal of Science and Technology*. 2021; 14(8): pp. 738-751. [DOI:10.17485/IJST/v14i8.165](https://doi.org/10.17485/IJST/v14i8.165).
70. **Faruq Hosen, A K M Ayatullah Hosne Asif, Md. Zayedul Hasan , Sharif Tasnim Mahmud , Md. Rafiul Islam.** Evaluation of comfort and thermal properties of stretch denim fabric by applying different softeners. *Indian Journal of Science and Technology*. 2021; 14(8): pp. 752-764. [DOI:10.17485/IJST/v14i8.190](https://doi.org/10.17485/IJST/v14i8.190).
71. **Md. Tanvir Hossen, Tarikul Islam, Emdadul Islam Mahee, Zarin Tasnim Reza, Mahbubur Rahman, Md. Sultan Mahmud.** A comprehensive study on Physico- Mechanical characteristics of Okra fibre (*Abelmoschus esculentus*) for textile applications. *Indian Journal of Science and Technology*. 2021; 14(9): pp. 765-775. [DOI:10.17485/IJST/v14i9.2268](https://doi.org/10.17485/IJST/v14i9.2268).
72. **B S Premananda, Archit Bajpai, G Shakthivel, A R Anurag.** Low power add-one circuit IPGL based high speed square root carry select adder. *Indian Journal of Science and Technology*. 2021; 14(9): pp. 776-786. [DOI:10.17485/IJST/v14i9.343](https://doi.org/10.17485/IJST/v14i9.343).
73. **M S Al-Ashhab, Omnia M Nabil, Nahid H Afia.** Perishable products supply chain network design with sustainability. *Indian Journal of Science and Technology*. 2021; 14(9): pp. 787-800. [DOI:10.17485/IJST/v14i9.24](https://doi.org/10.17485/IJST/v14i9.24).

74. **Pallabi Medhi**. Some aspects of customers impatience with varying rates of Reneging. *Indian Journal of Science and Technology*. 2021; 14(9): pp. 801-809. [DOI:10.17485/IJST/v14i9.2292](https://doi.org/10.17485/IJST/v14i9.2292).
75. **Sammy O Ombiro, Akinade S Olatunji, Eliud M Mathu, Taiwo R Ajayi**. Application of remote sensing in mapping hydrothermally altered zones in a highly vegetative area - A case study of Lolgorien, Narok County, Kenya. *Indian Journal of Science and Technology*. 2021; 14(9): pp. 810-825. [DOI:10.17485/IJST/v14i9.68](https://doi.org/10.17485/IJST/v14i9.68).
76. **S S Dorzhiev, V A Majorov, E G Bazarova, Paramvir Singh Ahluwalia , M I Rosenblum**. System for maintaining optimal temperature modes of solar power plants. *Indian Journal of Science and Technology*. 2021; 14(9),pp. 826-842. [DOI:10.17485/IJST/v14i9.2184](https://doi.org/10.17485/IJST/v14i9.2184).
77. **Rajlaxumi Rajkumar Patil, A A Shinde**. Wireless tyre pressure measurement. *Indian Journal of Science and Technology*. 2021; 14(9): pp. 842-849. [DOI:10.17485/IJST/v14i9.2296](https://doi.org/10.17485/IJST/v14i9.2296).
78. **T Sheeba, M Ramani Bai**. Feeding preference and reproductive fitness of *Rhyzoperthadominica* (Fabricius, 1792) in a choice-based feed paradigm. *Indian Journal of Science and Technology*. 2021; 14(10): pp. 850-857. [DOI:10.17485/IJST/v14i10.2281](https://doi.org/10.17485/IJST/v14i10.2281).
79. **Anjan Das**. Removal of defects in CdO nanoparticle and rapid synthesis of CdO nanoflake using novel microwave technique to improve semiconductor device performance. *Indian Journal of Science and Technology*. 2021; 14(10): pp. 858-868. [DOI:10.17485/IJST/v14i10.1965](https://doi.org/10.17485/IJST/v14i10.1965).
80. **Vandana C Bavkar, Arundhati A Shinde**. Machine learning algorithms for Diabetes prediction and neural network method for blood glucose measurement. *Indian Journal of Science and Technology*. 2021; 14(10): pp. 869-880. [DOI:10.17485/IJST/v14i10.2187](https://doi.org/10.17485/IJST/v14i10.2187).
81. **Sharmad Bhat, Saish Naik, Mandar Gaonkar, Pradnya Sawant, Shailendra Aswale, Pratiksha Shetgaonkar**. Road crack detection using convolutional neural network. *Indian Journal of Science and Technology*. 2021; 14(10): pp. 881-889. [DOI:10.17485/IJST/v14i10.1245](https://doi.org/10.17485/IJST/v14i10.1245).
82. **Jaime A Teixeira da Silva**. COVID-19 research and publishing: Advance ambitiously, but cautiously, in 2021. *Indian Journal of Science and Technology*. 2021; 14(10): pp. 892-896. [DOI:10.17485/IJST/v14i10.92](https://doi.org/10.17485/IJST/v14i10.92).
83. **Muhammad Saddam Khan, Faizullah Khan Kakar, Muhammad Saeed, Akbar Khan, Babar Ali, Muhammad Ashraf, Surat Khan, Abdul Wahid Tareen**.

Economic analysis of DC power sources used in impressed current cathodic protection of underground pipelines. *Indian Journal of Science and Technology*. 2021; 14(10): pp. 897-904. [DOI:10.17485/IJST/v14i10.1870](https://doi.org/10.17485/IJST/v14i10.1870).

84. **Ali Hasan**. Study of Gyroscopic effects on a disc. *Indian Journal of Science and Technology*. 2021; 14(11): pp. 905-914. [DOI:10.17485/IJST/v14i11.134](https://doi.org/10.17485/IJST/v14i11.134).
85. **Neelam Singla, Harwinder Kaur**. A Two-State Retrieval Queueing Model with Feedback having Two Identical Parallel Servers. *Indian Journal of Science and Technology*. 2021; 14(11): pp. 915-930. [DOI:10.17485/IJST/v14i11.1167](https://doi.org/10.17485/IJST/v14i11.1167).
86. **Ayaz Virk, Kazi Suleman Memon, Mehrunisa Memon, Sadia Hussain**. Formulation of optimum banana residue based compost product and its efficacy on maize and soil properties. *Indian Journal of Science and Technology*. 2021; 14(11): pp. 932-941. [DOI:10.17485/IJST/v14i11.1992](https://doi.org/10.17485/IJST/v14i11.1992).
87. **ASangeetha Devi, AKalaivani**. Knowledge graph embedding via the properties of mapping and dynamic matrix. *Indian Journal of Science and Technology*. 2021; 14(11): pp. 942-955. [DOI:10.17485/IJST/v14i11.2172](https://doi.org/10.17485/IJST/v14i11.2172).
88. **S G Susanth**. A brief review on the Atmosphere-Ionosphere coupling during Stratospheric sudden warming over the tropical region. *Indian Journal of Science and Technology*. 2021; 14(11): pp. 956-963. [DOI:10.17485/IJST/v14i11.251](https://doi.org/10.17485/IJST/v14i11.251).
89. **Y P Soni, EFernandez**. DC Motor Load performance in DC system with reconfiguration of PV Array. *Indian Journal of Science and Technology*. 2021; 14(11): pp. 964-970. [DOI:10.17485/IJST/v14i11.2197](https://doi.org/10.17485/IJST/v14i11.2197).
90. **Pavan Nageswar Reddy Bodavarapu, P V V S Srinivas**. Facial expression recognition for low resolution images using convolutional neural networks and denoising techniques *Indian Journal of Science and Technology*. 2021;14(12): pp. 971-983. [DOI:10.17485/IJST/v14i12.14](https://doi.org/10.17485/IJST/v14i12.14).
91. **Sunil Kumar Pandey, Harish Kumar Tyagi**. A journey towards the commitments of national education policy 2020 through concept mapping. *Indian Journal of Science and Technology*. 2021; 14(12): pp. 984-989. [DOI:10.17485/IJST/v14i12.5](https://doi.org/10.17485/IJST/v14i12.5).
92. **GRajaprabhu, RKirubakaran, JSanthanakumar, RSendhil Kumar, G Dharani**. Short term culture of wild caught juvenile rabbit fishes (*Siganus javus*) in open sea cages at Palk Bay. *Indian Journal of Science and Technology*. 2021;14(12): pp. 990-998. [DOI:10.17485/IJST/v14i12.415](https://doi.org/10.17485/IJST/v14i12.415).

93. **Wen Xu, Itagi R Kumar, Thaiyar M Srinivasa.** Evaluation of Impact of Ethics of Yoga in the Psychological Health of College Students: A Randomized Control Trial. *Indian Journal of Science and Technology*. 2021; 14(12): pp. 995- 1005. [DOI:10.17485/IJST/v14i12.2001](https://doi.org/10.17485/IJST/v14i12.2001).
94. **Martina Chinagorom Onu, Emmanuel Ikechukwu Eze.** Evaluation of phytochemical constituents and hepatoprotective effects of *Physcia grisea* in albino rats. *Indian Journal of Science and Technology*. 2021; 14(12): pp. 1006-1012. [DOI:10.17485/IJST/v14i12.1990](https://doi.org/10.17485/IJST/v14i12.1990).
95. **M T Khan, K A Nafees, A K Singh.** Interaction of Pc4 ULF waves with solar wind velocity and its dependence on Kp values. *Indian Journal of Science and Technology*. 2021; 14(12): pp. 1013-1020. [DOI:10.17485/IJST/v14i12.2317](https://doi.org/10.17485/IJST/v14i12.2317).
96. **Arumugam Balasuadhakar.** Natural Convection Solar Dryers for Agricultural Products — A Comprehensive Exploration. *Indian Journal of Science and Technology*. 2021; 14(13): pp. 1021-1027. [DOI:10.17485/IJST/v14i13.126](https://doi.org/10.17485/IJST/v14i13.126).
97. **Dhiraj Kumar Borkotoky, Gitika Borah.** The Impact of Online Education on the University Students of Assam in COVID times. *Indian Journal of Science and Technology*. 2021; 14(13): pp. 1028-1035. [DOI:10.17485/IJST/v14i13.1809](https://doi.org/10.17485/IJST/v14i13.1809).
98. **Monica Andrea Castillo-Aguilar, Virginia Roa-Angulo.** Birdwatching Tourism and Environmental Education as Strategies for the Conservation of Wetlands in the City of Bogotá, Colombia. *Indian Journal of Science and Technology*. 2021; 14(13): pp. 1036-1043. [DOI:10.17485/IJST/v14i13.1163](https://doi.org/10.17485/IJST/v14i13.1163).
99. **Swetha Matta, Bala Siddulu Malga, Lakshmi Appidi, PPramod Kumar.** Chemical Reaction and Heat Source Effects on MHD Free Convective Flow over A Linearly Accelerated Moving Vertical Porous Plate. *Indian Journal of Science and Technology*. 2021; 14(13): pp. 1044-1055. [DOI:10.17485/IJST/v14i13.229](https://doi.org/10.17485/IJST/v14i13.229).
100. **P Meenapriya, K Uma Maheswari, Nirmala P Ratchagar.** A Two-phase mixture model of Atmospheric Aerosols in the channel with an applied electric and magnetic field. *Indian Journal of Science and Technology*. 2021; 14(13): pp. 1056-1070. [DOI:10.17485/IJST/v14i13.1796](https://doi.org/10.17485/IJST/v14i13.1796).
101. **T Arputha Jose, A Daniel Raj, P Venugopal, M Giridaran.** Radio antipodal mean number of quadrilateral Snake families. *Indian Journal of Science and Technology*. 2021; 14(13): pp. 1071-1080. [DOI:10.17485/IJST/v14i13.295](https://doi.org/10.17485/IJST/v14i13.295).

102. **Abdessadek AITHAJSAID, Mahfoud ELFAGRICH, Omar ABOUNACHIT.** Numerical investigation of free convection through a horizontal open-ended axisymmetric cavity. *Indian Journal of Science and Technology*. 2021; 14(13): pp. 1081-1096. [DOI:10.17485/IJST/v14i13.2259](https://doi.org/10.17485/IJST/v14i13.2259).
103. **Ma. Danica Ines Ramil, Angelica May DC. Mendoza, Rhian Jaymar D. Ramil.** Assessment on the Physicochemical and Phytochemical Properties, Nutritional and Heavy Metal Contents, and Antioxidant Activities of *Hylocereus polyrhizus* Peel from Northern Philippines. *Indian Journal of Science and Technology*. 2021; 14(14): pp. 1097-1104. [DOI:10.17485/IJST/v14i14.2286](https://doi.org/10.17485/IJST/v14i14.2286).
104. **Arshad Ahmad Najar, Mohd Ashaq, Nisar Ahmad Bhat, Swati Khare, Arif Ahmad Rather, Ajaz Ahmad Wani, Rabia Jahangir.** A Diagnostic approach for some looking plants for their Pharmacognosy value. *Indian Journal of Science and Technology*. 2021; 14(14): pp. 1105-1115. [DOI:10.17485/IJST/v14i14.2346](https://doi.org/10.17485/IJST/v14i14.2346).
105. **Ali Hasan.** Study of Watt Governor Mechanism. *Indian Journal of Science and Technology*. 2021; 14(14): pp. 1116-1121. [DOI:10.17485/IJST/v14i14.528](https://doi.org/10.17485/IJST/v14i14.528).
106. **N C Sachithanantham, V Jaiganesh.** Enhanced Energy Efficient Routing Protocol (EEE-RP) to forward the Data Packets and to improve QoS in Wireless Sensor Networks by Means of Machine Learning Methods. *Indian Journal of Science and Technology*. 2021; 14(14): pp. 1122-1132. [DOI:10.17485/IJST/v14i14.477](https://doi.org/10.17485/IJST/v14i14.477).
107. **Kiranjit Kaur, Dinesh Kumar.** Hybrid Watermarking Scheme with Dual Encryption and Channel Coding in YCbCr Color Space, *Indian Journal of Science and Technology*. 2021; 14(14): pp. 1139-1159. [DOI:10.17485/IJST/v14i14.85](https://doi.org/10.17485/IJST/v14i14.85).
108. **Pushpamala Ramaiah, Nahla A Tayyib, Fatmah J Alsolami, Grace M Lindsay, Hayam I Asfour, Mohammad S Alshmemri, Sanaa A Alsulami.** Generated Themes of E-learning: Exploration of Students' Challenges During Covid-19. *Indian Journal of Science and Technology*. 2021; 14(14): pp. 1133-1138. [DOI:10.17485/IJST/v14i14.425](https://doi.org/10.17485/IJST/v14i14.425).
109. **Mathew Jun P Mariani, Ronald U Wacas, Rafael J Padre, Gerlie T Soriano, Venus B Elveña, Jayhan C Sarne.** Design modification of a cost-efficient microcontroller-based egg incubator. *Indian Journal of Science and Technology*. 2021; 14(14): pp. 1160-1167. [DOI:10.17485/IJST/v14i14.2289](https://doi.org/10.17485/IJST/v14i14.2289).

110. **RSambasiva Nayak, SK Bajidvali, Amit Gupta, VVenkatarao.** High Isolation Eight-Element Mimo Antenna Array Tightly Arranged Based on Embedded Meta-Material Cells. *Indian Journal of Science and Technology*. 2021;14(15): pp. 1168-1176. [DOI:10.17485/IJST/v14i15.2319](https://doi.org/10.17485/IJST/v14i15.2319).
111. **R M Guido, J Kalaw.** Presence of Light Pollution as a Latent Anthropogenic Influence of Bat Dispersal in Mindanao, Philippines. *Indian Journal of Science and Technology*. 2021; 14(15): pp. 1177-1183. [DOI:10.17485/IJST/v14i15.123](https://doi.org/10.17485/IJST/v14i15.123).
112. **Prasenjit Debnath, Ngangbam Ishwarchandra.** The Rotating Metrics with the Mass Function $M^{\wedge}(u,r)$ in reference to the Theory of General Relativity. *Indian Journal of Science and Technology*. 2021; 14(15): pp. 1184- 1188. [DOI:10.17485/IJST/v14i15.307](https://doi.org/10.17485/IJST/v14i15.307).
113. **Biswajit Das.** Scenario of radon alpha activity level in natural drinking waters of different regions of eastern part of India: A review report. *Indian Journal of Science and Technology*. 2021; 14(15): pp. 1189-1204. [DOI:10.17485/IJST/v14i15.46](https://doi.org/10.17485/IJST/v14i15.46).
114. **Pankaj Tyagi.** Writing Mathematical Theorems: Towards an Innovative Pedagogy *Indian Journal of Science and Technology*. 2021; 14(15): pp. 1205-1211. [DOI:10.17485/IJST/v14i15.452](https://doi.org/10.17485/IJST/v14i15.452).
115. **Mathew Jun P Mariani, Ronald UWacas.** A Study on the Social Networking Sites Security Awareness Among Users in Tabuk City. *Indian Journal of Science and Technology*. 2021; 14(15): pp. 1212-1218. [DOI:10.17485/IJST/v14i15.2019](https://doi.org/10.17485/IJST/v14i15.2019).
116. **S Dina, V T Thankamani, T Emilia Abraham.** A novel cellulolytic system from *Aspergillus flavipes* for lignocellulosic bio-conversion. *Indian Journal of Science and Technology*. 2021; 14(15): pp. 1219- 1232. [DOI:10.17485/IJST/v14i15.209](https://doi.org/10.17485/IJST/v14i15.209).
117. **Md. Zahidul Islam, Khairil Azmin Bin Mokhtar, Nor Hafizah Bt Mohd Badrol Afandi, Rabeya Anzum.** Regulating Online Broadcast Media against Offensive Materials in Malaysia. *Indian Journal of Science and Technology*. 2021;14(15): pp. 1233-1238. [DOI:10.17485/IJST/v14i15.595](https://doi.org/10.17485/IJST/v14i15.595).
118. **Singh K Priyokumar, Baro Jiten.** Higher Dimensional LRS Bianchi Type-I String Cosmological Model with Bulk Viscosity in General Relativity. *Indian Journal of Science and Technology*. 2021; 14(16): pp. 1239-1249. [DOI:10.17485/IJST/v14i16.240](https://doi.org/10.17485/IJST/v14i16.240).

119. **Banupriya C V, Devi Aruna D.** Robust Optimization of electroencephalograph (EEG) Signals for Epilepsy Seizure Prediction by utilizing VSPO Genetic Algorithms with SVM and Machine Learning Methods. *Indian Journal of Science and Technology*. 2021; 14(16): pp. 1250-1260. [DOI:10.17485/IJST/v14i16.625](https://doi.org/10.17485/IJST/v14i16.625).
120. **Yahia Mazzi, Ahmed Gaga, Fatima Errahimi.** Benchmarking and Comparison of Two Open-source RTOSs for Embedded Systems Based on ARM Cortex-M4 MCU. *Indian Journal of Science and Technology*. 2021; 14(16): pp. 1261-1273. [DOI:10.17485/IJST/v14i16.387](https://doi.org/10.17485/IJST/v14i16.387).
121. **ARajini, C Jayalakshmi.** Modeling Temperature and Precipitation in Hyderabad and Medak Using Copula. *Indian Journal of Science and Technology*. 2021; 14(16): pp. 1274-1282. [DOI:10.17485/IJST/v14i16.417](https://doi.org/10.17485/IJST/v14i16.417).
122. **Abdul Khaliq Karimi, Ryota Uchida, Bashir Ahmad Aasim, Jun Tomiyama, Yuya Suda.** Numerical study on the temporal changes of the principal stresses at the ends of the hollow PC-girders to control horizontal end cracks. *Indian Journal of Science and Technology*. 2021; 14(16): pp. 1283-1295. [DOI:10.17485/IJST/v14i16.2280](https://doi.org/10.17485/IJST/v14i16.2280).
123. **TAshok Kumar.** PDBcle- An online tool for extracting chain structure and sequence of macromolecule and small molecule structure from the Protein Data Bank. *Indian Journal of Science and Technology*. 2021; 14(16): pp. 1296-1301. [DOI:10.17485/IJST/v14i16.282](https://doi.org/10.17485/IJST/v14i16.282).
124. **G Naveen Kumar, K Hariharanath.** Designing a Lead Score Model for Digital Marketing Firms in Education Vertical in India. *Indian Journal of Science and Technology*. 2021; 14(16): pp. 1302-1309. [DOI:10.17485/IJST/v14i16.290](https://doi.org/10.17485/IJST/v14i16.290).
125. **MTVasumathi, MKamarasan.** An Effective Pomegranate Fruit Classification Based On CNN-LSTM Deep Learning Models *Indian Journal of Science and Technology*. 2021; 14(16): pp. 1310-1319. [DOI:10.17485/IJST/v14i16.432](https://doi.org/10.17485/IJST/v14i16.432).
126. **K Soujanya, A Harish.** Synthesizing Easily Erasable Whiteboard Ink Using Locally Available Azadiracta Indica (Neem) Gum. *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1320-1324. [DOI:10.17485/IJST/v14i17.557](https://doi.org/10.17485/IJST/v14i17.557).
127. **K Mythili, RRangaraj.** Deep Learning with Particle Swarm Based Hyper Parameter Tuning Based Crop Recommendation for Better Crop Yield for Precision Agriculture. *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1325-1337. [DOI:10.17485/IJST/v14i17.450](https://doi.org/10.17485/IJST/v14i17.450).

128. **Danila SParagas, Kathlia DCCruz ,Elaida RFiegalan.** Fermented Neem (Azadirachta indica) leaves-metal nanoparticles and their insecticidal properties against Bactrocera dorsalis (Hendel). *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1338-1346. [DOI:10.17485/IJST/v14i17.631](https://doi.org/10.17485/IJST/v14i17.631).
129. **Mohammad SAshmemri, Nahla ATayyib, Fatmah JAlsolami, Sanaa A Alsulami, Pushpamala Ramaiah, Hayam IAsfour, Grace MLindsay.** Exploring the cultural competency of Expatriate Nurses working in Saudi Arabia. *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1347-1353. [DOI:10.17485/IJST/v14i17.437](https://doi.org/10.17485/IJST/v14i17.437).
130. **Lakshmi Appidi, Bala Siddulu Malga, Sweta Matta, P Pramod Kumar.** Effects of Thermal Radiation on Temperature and Concentration on MHD Free Convection Flow Past a Vertical Porous Plate in the Presence of Chemical Reaction and Heat Source Parameter. *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1354-1363. [DOI:10.17485/IJST/v14i17.235](https://doi.org/10.17485/IJST/v14i17.235).
131. **Kawther AAl-Dhlan, Hamad AAl-reshidi.** Using Scratch Programto Design Educational E-Games to raise Technological Awareness and Visual Programming Skills to Face Fatal E-Games. *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1364-1378. [DOI:10.17485/IJST/v14i17.431](https://doi.org/10.17485/IJST/v14i17.431).
132. **Neelam Singla, Sonia Kalra.** A two-dimensional Multiserver Queuing system with repeated attempts and impatience. *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1379-1391. [DOI:10.17485/IJST/v14i17.820](https://doi.org/10.17485/IJST/v14i17.820).
133. **Sheila Mae Carol A Buslig.** The Employability of the Graduates of Bachelor of Public Administration of Kalinga-Apayao State College from 2011-2013: A Tracer Study. *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1392-1397. [DOI:10.17485/IJST/v14i17.633](https://doi.org/10.17485/IJST/v14i17.633).
134. **K Jagathy, S Malathi.** Investigation for the Ciprofloxacin Resistance Genes Gyr A and Par C in E. Coli Isolates from Urinary Tract Infected Patients *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1398-1405. [DOI:10.17485/IJST/v14i17.170](https://doi.org/10.17485/IJST/v14i17.170)
135. **K Jeyalakshmi, R Rangaraj.** Accurate liver disease prediction system using convolutional neural network. *Indian Journal of Science and Technology*. 2021; 14(17): pp. 1406-1421. [DOI:10.17485/IJST/v14i17.451](https://doi.org/10.17485/IJST/v14i17.451)
136. **Ramanamoorthy Kandula, Rupali S. Jain, Sandhya Kandula, B Surendranath Reddy.** Compartmental model to estimate bile acid concentration in different clinical manifestation *Indian Journal of Science and Technology*. 2021; 14(18): pp. 1422- 1433. [DOI:10.17485/IJST/v14i18.434](https://doi.org/10.17485/IJST/v14i18.434).

137. **Esayas Teshome Taddese, Déborah Gessel, Xue Han.** Chinese Language Learning Anxiety: The Case of International Students in Northeast Normal University. *Indian Journal of Science and Technology*. 2021; 14(18): pp. 1434-1441. [DOI:10.17485/IJST/v14i18.26](https://doi.org/10.17485/IJST/v14i18.26).
138. **S Saiganesh, B Muni Sudhakar, K Thyagarajan, G Narasimha.** Structural, Optical and Antibacterial Properties of neodymium (Nd³⁺) doped nickel oxide (NiO) Nanoparticles using Sesbania grandiflora Leaf Extract. *Indian Journal of Science and Technology*. 2021; 14(18): pp. 1442-1451. [DOI:10.17485/IJST/v14i18.554](https://doi.org/10.17485/IJST/v14i18.554).
139. **Khalid Zhani, Michel Darrieulat, Ahmed Chenaoui.** Prediction of Anisotropic Elastoplastic Instability with Rice's Criterion in Plane Compression. *Indian Journal of Science and Technology*. 2021; 14(18): pp. 1452-1467. [DOI:10.17485/IJST/v14i18.117](https://doi.org/10.17485/IJST/v14i18.117).
140. **Nitin Sarma.** Bianchi type-I cosmological model with Tsallis holographic dark energy in f(R,T) theory of gravity. *Indian Journal of Science and Technology* 2021; 14(18): pp. 1468-1476. [DOI:10.17485/IJST/v14i18.581](https://doi.org/10.17485/IJST/v14i18.581).
141. **David Vatamanu, Cora Iftode, Simona Miclaus.** Microstrip patch and Sierpinski fractal antennas: simulations and experimental characterization for vital signs detection with Doppler radar technique. *Indian Journal of Science and Technology*. 2021; 14(18): pp. 1477- 1487. [DOI:10.17485/IJST/v14i18.614](https://doi.org/10.17485/IJST/v14i18.614).
142. **P Thirupathi, B R Venkatraman.** Corrosion inhibition behaviour on carbon steel in well-water by Ethanolic extract of Portulaca quadrifida (Chicken weed) leaves. *Indian Journal of Science and Technology*. 2021; 14(18): pp. 1488-1504. [DOI:10.17485/IJST/v14i18.630](https://doi.org/10.17485/IJST/v14i18.630).
143. **Dharmendra Kumar Dubey, Parag Rishipathak.** Deciphering Prevalence of Anemia in Reproductive age of Women in Maharashtra, a State of India: A Regional Cross-Sectional Study. *Indian Journal of Science and Technology* 2021; 14(18): pp. 1505-1515. [DOI:10.17485/IJST/v14i18.1867](https://doi.org/10.17485/IJST/v14i18.1867).
144. **Ashwini Wankhede, S PGaikwad.** 4-Channel Concrete Temperature Data Acquisition System Using GPRS data Network. *Indian Journal of Science and Technology*. 2021; 14(18): pp. 1516-1524. [DOI:10.17485/IJST/v14i18.296](https://doi.org/10.17485/IJST/v14i18.296).
145. **JSSrikantamurthy, Anandkumar RAnnigeri.** Free Vibration Analysis of Multiphase Magneto-Electro-Elastic Composite Conical Shells. *Indian Journal of Science and Technology*. 2021; 14(19): pp. 1525-1533. [DOI:10.17485/IJST/v14i18.304](https://doi.org/10.17485/IJST/v14i18.304).

146. **Yerosan Abera**. Challenges on Successful Completion and Delivery of Public Building Construction Projects: The Case of West Shoa Zone, Oromia, Ethiopia. *Indian Journal of Science and Technology*. 2021; 14(19): pp. 1534-1544. [DOI:10.17485/IJST/v14i19.332](https://doi.org/10.17485/IJST/v14i19.332).
147. **Ishfaq Nazir Wani, Mustahson Farooq Fazili, Bilal Ahmad Bhat, Jahangir Ahmad Dar, Mohamad Muzafar Sheikh**. Waterbird Density and Habitat Utilisation Pattern in Wular Lake, Kashmir, India, *Indian Journal of Science and Technology*, Vol.14(19): pp. 1545-1553. [DOI:10.17485/IJST/v14i19.1781](https://doi.org/10.17485/IJST/v14i19.1781).
148. **Santosh Kumar Singh, Liangjing Yang, Ma Hao, Petros G Voulgaris**. Centralized and Decentralized Schemes for Optimal Scheduling of Electric Vehicles. *Indian Journal of Science and Technology*. 2021; 14(19): pp. 1554-1564. [DOI:10.17485/IJST/v14i19.502](https://doi.org/10.17485/IJST/v14i19.502).
149. **K V Murali, Thekkumthala Leelavathy Remadevi**. Rapid Synthesis of SnO₂ Thin Films using Monoethanolamine through Wet Chemical Route. *Indian Journal of Science and Technology*. 2021; 14(19): pp. 1565-1573. [DOI:10.17485/IJST/v14i19.462](https://doi.org/10.17485/IJST/v14i19.462).
150. **M. Chandrasena Rajeswaran, D B Jabaraj**. Project based Engineering Graphics Instruction in a Content and Language Integrated Flipped Classroom *Indian Journal of Science and Technology*. 2021; 14(19).pp. 1574-1579. [DOI:10.17485/IJST/v14i19.187](https://doi.org/10.17485/IJST/v14i19.187).
151. **K Thirugnana Sambanthan**. A new approach to Web Crawling — DHEKTS Crawler in comparison with various Crawlers. *Indian Journal of Science and Technology*. 2021, Vol.14(19): pp. 1580-1586. [DOI:10.17485/IJST/v14i19.599](https://doi.org/10.17485/IJST/v14i19.599).
152. **J Madhuri, M Indiramma**. Artificial Neural Networks Based Integrated Crop Recommendation System Using Soil and Climatic Parameters. *Indian Journal of Science and Technology*. 2021; 14(19): pp. 1587-1597. [DOI:10.17485/IJST/v14i19.64](https://doi.org/10.17485/IJST/v14i19.64).
153. **Syed Mohd Faisal, Taskeen Zaidi**. Implementation of ACO in Vanet with Detection of Faulty Node *Indian Journal of Science and Technology*. 2021; 14(19): pp. 1598-1614. [DOI:10.17485/IJST/v14i19.76](https://doi.org/10.17485/IJST/v14i19.76).
154. **Kamran Satta, Tauseef Ahmad, Durdana Siddiqui, Zafrul Hasan, Ashfaq Akram, Muhamad Saiful Bahri Yusoff**. Exploring Awareness About COVID-19 Using YouTube Videos: based on the user engagement. *Indian Journal of Science and Technology* 2021; 14(20): pp. 1615-1621. [DOI:10.17485/IJST/v14i20.384](https://doi.org/10.17485/IJST/v14i20.384).

155. **Jaspreet Kaur, Rajneesh Talwar, Ashok Kumar Goel.** MOpt Shield: An Intrusion Detection System based on Meld Optimization Algorithm to mitigate Amalgam Attacks. *Indian Journal of Science and Technology* 2021; 14(20): pp. 1622-1634. [DOI:10.17485/IJST/v14i20.601](https://doi.org/10.17485/IJST/v14i20.601).
156. **VKRaj Anishaa, PSathvika, Sandeep Rawat.** Identifying Similar Question Pairs Using Machine Learning Techniques. *Indian Journal of Science and Technology* 2021; 14(20): pp. 1635-1641. [DOI:10.17485/IJST/v14i20.312](https://doi.org/10.17485/IJST/v14i20.312).
157. **RSrinivasan, NKarthikeyan, Ajayaraja.** A Proposed Technique to Resolve Transportation Problem by Trapezoidal Fuzzy Numbers. *Indian Journal of Science and Technology*. 2021; 14(20): pp. 1642-1646. [DOI:10.17485/IJST/v14i20.645](https://doi.org/10.17485/IJST/v14i20.645).
158. **KAshwini, PSrinivasa Rao.** The influence of adding alccofine and nano- silica on the behavior of concrete at elevated temperatures. *Indian Journal of Science and Technology*. 2021; 14(20): pp. 1647-1660. [DOI:10.17485/IJST/v14i20.694](https://doi.org/10.17485/IJST/v14i20.694).
159. **PSSNagalakshmi, NVijaya.** Numerical simulationsof Darcy- Forchhiemer flow explored with carbon nanotubes under activation energy. *Indian Journal of Science and Technology*. 2021; 14(20): pp. 1661-1676. [DOI:10.17485/IJST/v14i20.544](https://doi.org/10.17485/IJST/v14i20.544).
160. **N B Naduvinamani, Anita Siddayya Guttedar, Laxmi Devindrappa.** Peristaltic Transport of Hyperbolic Tangent Fluid in a Tapered Asymmetric Channel. *Indian Journal of Science and Technology*. 2021; 14(20): pp. 1677-1688. [DOI:10.17485/IJST/v14i20.480](https://doi.org/10.17485/IJST/v14i20.480).
161. **S T Veerabhadrappe, P M Shivakumara Swamy, G C Suguna, S KSrinidhi, DPriyanka.** Continuous monitoring of Physiological parameters using PPG. *Indian Journal of Science and Technology* 2021; 14(20): pp. 1689-1698. [DOI:10.17485/IJST/v14i20.2011](https://doi.org/10.17485/IJST/v14i20.2011).
162. **Aparna, Ram Chandra Singh Chauhan.** Low Power PPN inverter based 10T SRAM Cell. *Indian Journal of Science and Technology*. 2021; 14(20): pp. 1699-1710. [DOI:10.17485/IJST/v14i20.400](https://doi.org/10.17485/IJST/v14i20.400).
163. **G Santhi Priya, A Rajini.** A Study on Mathematical characteristics in Indian Carnatic Musicians. *Indian Journal of Science and Technology*. 2021; 14(21): pp. 1711-1717. [DOI:10.17485/IJST/v14i21.803](https://doi.org/10.17485/IJST/v14i21.803).
164. **Wafa Tarawneh.** A Comparative Adoption of COTS Database Components Using the Hybrid AHP — TOPSIS and AHP — VIKOR Methodologies. *Indian*

- Journal of Science and Technology*. 2021;14(21): pp. 1718-1733.
[DOI:10.17485/IJST/v14i21.4](https://doi.org/10.17485/IJST/v14i21.4).
165. **Thamimul Ansari Peer Mohamed**. Respiratory symptoms and other associated factors among the hotel chefs in Gondar town, Ethiopia. *Indian Journal of Science and Technology*. 2021;14(21): pp. 1734-1739.
[DOI:10.17485/IJST/v14i21.58](https://doi.org/10.17485/IJST/v14i21.58).
166. **DHema, SKannan**. Patch-SIFT: Enhanced featured escriptor to learn human facial emotions using an Ensemble approach. *Indian Journal of Science and Technology* 2021; 14(21): pp. 1740-1747. [DOI:10.17485/IJST/v14i21.2261](https://doi.org/10.17485/IJST/v14i21.2261).
167. **S R Fareed, M Memon, S M Bhatti, M I Keerio**. Spatial Variability Portrayal of SoilFertility Indicatorsin AppleGrowing Areaof Ziarat Balochistan Using Geostatistical Analysis. *Indian Journal of Science and Technology*. 2021;14(21): pp. 1748-1757. [DOI:10.17485/IJST/v14i21.490](https://doi.org/10.17485/IJST/v14i21.490).
168. **Rohit Navale, Amarsinh Kanase Patil, Jayesh Minase, Amar Pandhare**. Development of a Novel three degree of freedom XY θ Z Micro-Motion Stage. *Indian Journal of Science and Technology*. 2021;14(21): pp. 1758-1774. [DOI:10.17485/IJST/v14i21.541](https://doi.org/10.17485/IJST/v14i21.541).
169. **K Palaniammal**. Refining Search Performance through Semantic based CBR Model and QoS Ranking Methodology. *Indian Journal of Science and Technology* 2021; 14(21): pp. 1775-1785. [DOI:10.17485/IJST/v14i21.696](https://doi.org/10.17485/IJST/v14i21.696).
170. **T Sunitha, U Nagi Reddy, G Shobhalatha**. A Note on Full k-Ideals in Ternary Semirings. *Indian Journal of Science and Technology*. 2021; 14(21): pp-1786-1790. [DOI:10.17485/IJST/v14i21.150](https://doi.org/10.17485/IJST/v14i21.150).
171. **Hidayatullah Kakar, Mehrunisa Memon, Inayatullah Rajpar, Qamaruddin Chachar**. Slow Pyrolyzed Banana Leaf Waste Biochar Amended Calcareous Soil Properties and Maize Growth. *Indian Journal of Science and Technology*. 2021; 14(21): pp. 1791-1805. [DOI:10.17485/IJST/v14i21.2235](https://doi.org/10.17485/IJST/v14i21.2235).
172. **D S Somashekar, Shashikanth H Majagi, S G Dhananjaya**. Harpic Induced Biochemical and Histological Changes in Fresh Water Fish Common Carp (Cyprinus Carpio L.). *Indian Journal of Science and Technology* 2021; 14(22): pp. 1806-1812. [DOI:10.17485/IJST/v14i22.239](https://doi.org/10.17485/IJST/v14i22.239).
173. **G S Pavithra, N V Babu**. An Optimal Energy Utilization of Cluster Routing Protocol for Wireless Sensor Network in Restricted Area. *Indian Journal of Science and Technology*. 2021;14(22): pp. 1813-1828.
[DOI:10.17485/IJST/v14i22.671](https://doi.org/10.17485/IJST/v14i22.671).

174. **Bibhuti Bhusan Pani, Nimay Chandra Giri , Smruti Ranjan Nayak, Siba Prasad Mishra.** Fault Detection and Troubleshooting in a PV Grid-Tied Inverter, *Indian Journal of Science and Technology*. 2021; 14(22): pp. 1829-1838. [DOI:10.17485/IJST/v14i22.661](https://doi.org/10.17485/IJST/v14i22.661).
175. **Tousifur Rahman, Partha Jyoti Hazarika, Manash Pratim Barman.** One Inflated Binomial Distribution and its Real-Life Applications. *Indian Journal of Science and Technology*. 2021; 14(22): pp. 1839-1854. [DOI:10.17485/IJST/v14i22.404](https://doi.org/10.17485/IJST/v14i22.404).
176. **H S Vasanth Kumar, U N Kempaiah, Madeva Nagaral, K Revanna.** Investigations on Mechanical Behaviour of Micro B4C Particles Reinforced Al6061 Alloy Metal Composites. *Indian Journal of Science and Technology*. 2021; 14(22): pp. 1855-1863. [DOI:10.17485/IJST/v14i22.736](https://doi.org/10.17485/IJST/v14i22.736).
177. **AL-Wesabi Ibrahim, Zhijian Fang, Khaled Ameer, Ding Min, MBShafik, Galal Al-Muthanna.** Comparative Study of Solar PV System Performance under Partial Shaded Condition Utilizing Different Control Approaches. *Indian Journal of Science and Technology*. 2021;14(22): pp. 1864-1893. [DOI:10.17485/IJST/v14i22.827](https://doi.org/10.17485/IJST/v14i22.827).
178. **M Lenin Sundar, S Muthukeerthana, G Ezhilarasan.** Behaviour of Concrete Filled Double Skin (CFDS) Steel Tube by Partial Replacement of Coarse Aggregate with Brickbats. *Indian Journal of Science and Technology* 2021; 14(22): pp. 1894-1904. [DOI:10.17485/IJST/v14i22.2087](https://doi.org/10.17485/IJST/v14i22.2087).
179. **Madjid Belabbaci, Zakaria Imine, Tewfik Ghomari, Bachir Imine.** Mechanical properties of an aluminium-carbon fiber composite for aircraft wing spar applications. *Indian Journal of Science and Technology*. 2021;14(22): pp. 1905-1913. [DOI:10.17485/IJST/v14i22.51](https://doi.org/10.17485/IJST/v14i22.51).
180. **An Thi Hoai Thu Anh, Nguyen VanQuyen.** Energy — Efficient Operation in Subway Systems: Tracking Optimal Speed Profile with on Board Supercapacitor Energy Storage System. *Indian Journal of Science and Technology*. 2021; 14(23): pp. 1914-1928. [DOI:10.17485/IJST/v14i23.602](https://doi.org/10.17485/IJST/v14i23.602).
181. **Mugdha S Mujumdar, Sandeep G Prabhu.** Study of Telecom Industry Ombudsman and its Regulatory Relevance for Customer Satisfaction. *Indian Journal of Science and Technology*. 2021; 14(23): pp. 1929-1943. [DOI:10.17485/IJST/v14i23.255](https://doi.org/10.17485/IJST/v14i23.255).
182. **Indira PSudha, Jyoti Singh, GSSodhi.** Digital Dermatoglyphics as predictive biomarkers of genetic Criminal Tendency. *Indian Journal of Science and Technology*. 2021; 14(23): pp. 1944-1952. [DOI:10.17485/IJST/v14i23.578](https://doi.org/10.17485/IJST/v14i23.578).

183. **R Shashidhar, V Sahana, Sudeshna Chakraborty, S B Puneeth, M Roopa.** Recognition of Tablet using Blister Strip for Visually Impaired using SIFT Algorithm. *Indian Journal of Science and Technology* 2021; 14(23): pp. 1953-1960. [DOI:10.17485/IJST/v14i23.750](https://doi.org/10.17485/IJST/v14i23.750).
184. **Dhananjay V Khankal, R L Edlabadkar, J L Minase, A P Pandhare.** Design and Analysis of Buoy Geometries for Wave Energy Generator. *Indian Journal of Science and Technology*. 2021; 14(23): pp. 1961-1969. [DOI: 10.17485/IJST/v14i23.543](https://doi.org/10.17485/IJST/v14i23.543).
185. **Edgar Julius A. Lim.** Math Class Gamified! Effects on the Mathematics Performance of COED Students of Eastern Samar State University, Philippines. *Indian Journal of Science and Technology*. 2021; 14(23): pp. 1970-1974. [DOI:10.17485/IJST/v14i23.902](https://doi.org/10.17485/IJST/v14i23.902).
186. **R Srinivasan, M Vivekanandan.** On Packing Colouring of Transformation of Path, Cycle and Wheel Graphs. *Indian Journal of Science and Technology*. 2021; 14(23): pp. 1975-1981. [DOI:10.17485/IJST/v14i23.606](https://doi.org/10.17485/IJST/v14i23.606).
187. **Sanoop Padinhattayil, K Sheshappa Rai.** PVA/GO-ZnO hybrid nanocomposites: Synthesis, Analysis and Applications. *Indian Journal of Science and Technology*. 2021; 14(23): pp. 1982-1992. [DOI:10.17485/IJST/v14i23.236](https://doi.org/10.17485/IJST/v14i23.236).
188. **Anant Joshi, P S Shivakumar Gouda, I Sridhar, Jyoti V Vastrad, Abhilash Edacherian.** An Assessment of Utilizing Natural Fibers for the Development of High-Performance Fiber Hybrid Composites for Mechanical and Fracture Toughness Properties. *Indian Journal of Science and Technology*. 2021; 14(24): pp. 1993-2004. [DOI:10.17485/IJST/v14i24.762](https://doi.org/10.17485/IJST/v14i24.762).
189. **S Z Hussain, Manoj Kumar.** Secured Key Agreement Schemes in Wireless Body Area Network — A Review. *Indian Journal of Science and Technology*. 2021; 14(24): pp. 2005-2033. [DOI:10.17485/IJST/v14i24.1708](https://doi.org/10.17485/IJST/v14i24.1708).
190. **Vaishali T Phusate.** Changes in Male Rat Thyroid Gland Exposed to Roundup® and Gramoxone®. *Indian Journal of Science and Technology*. 2021; 14(24): pp. 2034-2038. [DOI:10.17485/IJST/v14i23.974](https://doi.org/10.17485/IJST/v14i23.974).
191. **E Sujatha, R Radha.** A Hybrid of Proposed Filtration and Feature Selections to Enhance the Model Performance,®. *Indian Journal of Science and Technology*. 2021; 14(24): pp. 2039-2050. [DOI:10.17485/IJST/v14i24.2017](https://doi.org/10.17485/IJST/v14i24.2017).
192. **S Pooja, S Mallikarjunaswamy, N Sharmila.** Adaptive Sparsity through Hybrid Regularization for Effective Image Deblurring. *Indian Journal of*

- Science and Technology*. 2021; 14(24): pp. 2051-2068.
[DOI:10.17485/IJST/v14i24.604](https://doi.org/10.17485/IJST/v14i24.604).
193. Anjali Rai, Dnyaneshwar GKumbhar, Kailasnath BSutar. Computational Investigation on Natural Convection Heat Transfer in Vertical Plate Fin Arrays. *Indian Journal of Science and Technology*. 2021; 14(24): pp. 2069-2080. [DOI:10.17485/IJST/v14i24.863](https://doi.org/10.17485/IJST/v14i24.863).
194. Mandeep Singh, Dilbag Singh, A S Shahi. Experimental studies on effect of post weld heat treatments on the pitting corrosion and impact toughness of GTA welded martensitic stainless steel joints. *Indian Journal of Science and Technology*. 2021; 14(24): pp. 2081-2087.
[DOI:10.17485/IJST/v14i24.120](https://doi.org/10.17485/IJST/v14i24.120).
195. Owusu Nyarko-Boateng, Adebayo Felix Adekoya, Benjamin Asubam Weyori, Justice Ening, Isaac Kofi Nti. Policy Compliance Standards for Underground Fiber Cable Deployment and Post-Deployment Protection. *Indian Journal of Science and Technology*. 2021; 14(25): pp. 2088- 2094.
[DOI:10.17485/IJST/v14i25.518](https://doi.org/10.17485/IJST/v14i25.518).
196. K V Murali, T L Remadevi. Photo-characterization of Organic Dye-Sensitized Tin Oxide Films. *Indian Journal of Science and Technology*. 2021; 14(25): pp. 2097-2105. [DOI:10.17485/IJST/v14i25.818](https://doi.org/10.17485/IJST/v14i25.818).
197. M. Meena, A. Vijayalakshmi. The Struggle of India in COVID-19 Combat. *Indian Journal of Science and Technology*. 2021; 14(25): pp. 2106- 2110.
[DOI:10.17485/IJST/v14i25.833](https://doi.org/10.17485/IJST/v14i25.833).
198. Banshanborbah Kharkamni. Physicochemical properties of Honey from Traditional Beekeepers of Sohra. *Indian Journal of Science and Technology* > 2021; 14(25): pp. 2111-2118. [DOI:10.17485/IJST/v14i25.1055](https://doi.org/10.17485/IJST/v14i25.1055).
199. Yogesh S. Kale, S V Rathkantiwar, Bhagyashree Sharma, Janhavi Ghuguskar, Kireet Deshmukh, Rushikesh Kate, Pranay Thakre. Autonomous Terrain Vehicle *Indian Journal of Science and Technology* > 2021; 14(25): pp. 2119-2127. [DOI:10.17485/IJST/v14i25.872](https://doi.org/10.17485/IJST/v14i25.872).
200. N Nanthini, N Puviarasan, P Aruna. An Efficient Velocity Estimation Approach for Face Liveness Detection using Sparse Optical Flow Technique. *Indian Journal of Science and Technology* > 2021; 14(25): pp. 2128-2136.
[DOI:10.17485/IJST/v14i25.942](https://doi.org/10.17485/IJST/v14i25.942).
201. Marilyn Linas-Laguda. Doing Math and Other Things: A Peek at Multiple Intelligences and Numeracy Level. *Indian Journal of Science and Technology*. 2021; 14(25): pp. 2137-2144. [DOI:10.17485/IJST/v14i25.194](https://doi.org/10.17485/IJST/v14i25.194).

202. **A Thilagavathy, S Meenakshi, V Vijayabhaskar, M Dilli Babu, S Kumari, M A Gunavathie.** An Efficient Health Monitoring Method Using Fuzzy Inference System via Cloud, *Indian Journal of Science and Technology*, 2021, Vol.14(25): pp. 2145-2151. [DOI:10.17485/IJST/v14i25.1622](https://doi.org/10.17485/IJST/v14i25.1622).
203. **Asim Ali Khan, Ajat Shatru Arora.** Computer Aided Detection System using Entropy Based Segmentation as Decision Support for Detection of Neoplasms and Comparison of Feature Spaces for Classification. *Indian Journal of Science and Technology*. 2021; 14(26): pp. 2152-2163. [DOI:10.17485/IJST/v14i26.2291](https://doi.org/10.17485/IJST/v14i26.2291).
204. **S Meena, D Sankaran, M Nivethithadevi.** Modified Approach of NaFA based on its Step Size and its Performance in Bioreactor Processes. *Indian Journal of Science and Technology*. 2021; 14(26): pp. 2164-2174. [DOI:10.17485/IJST/v14i26.95](https://doi.org/10.17485/IJST/v14i26.95).
205. **IAnanthakeshava, NJSrikanth, KNagendra Prasad, VVinu.** Reduction in Surface Tension of Water Due to Pranik Healing. *Indian Journal of Science and Technology* > 2021; 14(26): pp. 2175-2179. [DOI:10.17485/IJST/v14i26.488](https://doi.org/10.17485/IJST/v14i26.488).
206. **Brijesh PSingh, Shweta Dixit.** Estimation of Risk of Child Death and Average Children Ever Born. *Indian Journal of Science and Technology* > 2021; 14(26): pp. 2180-2188. [DOI:10.17485/IJST/v14i26.889](https://doi.org/10.17485/IJST/v14i26.889).
207. **Namrata Bist, Anirbid Sircar, Kriti Yadav.** Thermal zone identification by gravity data modeling using Euler deconvolution and geochemical analysis of hot springs in Saurashtra and Cambay Basins. *Indian Journal of Science and Technology*. 2021; 14(26): pp. 2189-2205. [DOI:10.17485/IJST/v14i26.876](https://doi.org/10.17485/IJST/v14i26.876).
208. **Ganesh S Ingle.** Strength and Swelling Behavior of Black Cotton Soil Stabilized with Waste Rubber Tyre. *Indian Journal of Science and Technology*. 2021; 14(26): pp. 2206-2214. [DOI:10.17485/IJST/v14i26.792](https://doi.org/10.17485/IJST/v14i26.792).
209. **Sanket Devikar, Khalid Ansari, Charuta Waghmare.** Solar based hybrid combination of electrocoagulation and filtration process in domestic greywater treatment. *Indian Journal of Science and Technology*. 2021; 14(26): pp. 2215-2222. [DOI:10.17485/IJST/v14i26.890](https://doi.org/10.17485/IJST/v14i26.890).
210. **GSivagurunathan, R Kotteeswaran, MSuresh, A Kirthini Godweena.** Design of centralized controller for multivariable process using MOPSO algorithm. *Indian Journal of Science and Technology*. 2021; 14(26): pp. 2223-2237. [DOI:10.17485/IJST/v14i26.539](https://doi.org/10.17485/IJST/v14i26.539).

211. Harsha D Neelgund, Girish G Kadadevaru. A Study on Seasonal Variation in Zooplankton Abundance in Kadasgatti Minor Irrigation Tank of Bailhongal Taluk, Belagavi District, Karnataka State, INDIA. *Indian Journal of Science and Technology*. 2021; 14(27): pp. 2238-2249. [DOI:10.17485/IJST/v14i27.323](https://doi.org/10.17485/IJST/v14i27.323).
212. Manabendra Maiti, Kausik Bhattacharyya, Salil Kumar Biswas, Md Anwarul Islam¹, Ayan Pradhan, Judhajit Sanyal. Determination of sky status by ground based radiometric data analysis. *Indian Journal of Science and Technology* 2021; 14(27): pp. 2250-2256. [DOI:10.17485/IJST/v14i27.447](https://doi.org/10.17485/IJST/v14i27.447).
213. Njimboh Henry Alombah, Achille Ecladore Tchahou Tchendjeu, Kengne Romanic, François Calvin Talla, Hillaire Bertrand Fotsin. FPGA Implementation of a Novel Two-internal-State Memristor and its Two Component Chaotic Circuit. *Indian Journal of Science and Technology* 2021; 14(27): pp. 2257-2271. [DOI:10.17485/IJST/v14i27.532](https://doi.org/10.17485/IJST/v14i27.532).
214. Jose Aaron B Confesor. An Experimental Study of Improvised Portable Manual Rebar Bender. *Indian Journal of Science and Technology*. 2021; 14(27): pp. 2272-2283. [DOI:10.17485/IJST/v14i27.627](https://doi.org/10.17485/IJST/v14i27.627).
215. T Bharathi, S Antony Vinoth, S Leo. Fuzzy Radio Reciprocal L-Labeling on Certain Chemical Graphs. *Indian Journal of Science and Technology*. 2021; 14(27): pp. 2284-2292. [DOI:10.17485/IJST/v14i27.664](https://doi.org/10.17485/IJST/v14i27.664).
216. Akhilesh Mishra. Demystifying the Role of Language in representing students' understanding of Science concepts *Indian Journal of Science and Technology*. 2021; 14(27): pp. 2293-2299. [DOI:10.17485/IJST/v14i27.820](https://doi.org/10.17485/IJST/v14i27.820).
217. Alvin Ho, Ramesh Vatambeti, Sathish Kumar Ravichandran. Bitcoin Price Prediction Using Machine Learning and Artificial Neural Network Model *Indian Journal of Science and Technology*. 2021; 14(27): pp. 2300-2308. [DOI:10.17485/IJST/v14i27.878](https://doi.org/10.17485/IJST/v14i27.878).
218. Ch Komali, N Murali, D Parajuli, A Ramakrishna, Y Ramakrishna, K Chandramouli. Effect of Cu²⁺ substitution on structure, morphology, and magnetic properties of Mg-Zn spinel ferrite *Indian Journal of Science and Technology*. 2021; 14(27): pp. 2309-2316. [DOI:10.17485/IJST/v14i27.527](https://doi.org/10.17485/IJST/v14i27.527).
219. Srishti Tripathi, Rashmi Pandey, Amardeep Singh, Sunita Mishra. Isolation and Characterisation of Value Added Product from Underutilised Part of Banana *Indian Journal of Science and Technology*. 2021; 14(28): pp. 2317-2326. [DOI:10.17485/IJST/v14i28.1284](https://doi.org/10.17485/IJST/v14i28.1284).

220. **Pratima Rani Sardar**. Simultaneous removal of lead and cadmium ions by nickel oxide nanoparticles *Indian Journal of Science and Technology*. 2021; 14(28): pp. 2327-2336. [DOI:10.17485/IJST/v14i28.1407](https://doi.org/10.17485/IJST/v14i28.1407).
221. **Ketan Soni, Kavita Sharma**. Eco-friendly Spectrophotometric analysis of Mefenamic acid (poorly water-soluble drug) using the mixed solvency concept *Indian Journal of Science and Technology*. 2021; 14(28): pp. 2337-2341. [DOI:10.17485/IJST/v14i28.476](https://doi.org/10.17485/IJST/v14i28.476).
222. **V A Anjan Babu, R Saravanan, M Raviprakash, Madeva Nagaral**. Microstructure, Tensile and Flexural Strength of Boron Carbide Particles Reinforced Al2030 Alloy Composites *Indian Journal of Science and Technology*. 2021; 14(28): pp. 2342-2350. [DOI:10.17485/IJST/v14i28.1341](https://doi.org/10.17485/IJST/v14i28.1341).
223. **Piyush Pratap Singh**. A Novel Chaotic System with Wide Spectrum, its Synchronization, Circuit Design and Application to Secure Communication. *Indian Journal of Science and Technology*. 2021; 14(28): pp. 2351-2367. [DOI:10.17485/IJST/v14i28.1035](https://doi.org/10.17485/IJST/v14i28.1035).
224. **M S Vinay, S Ranganatha, Madeva Nagaral**. Influence of Change in the Apparent Contact Area, Temperature and Vacuum on Tribo Response of Al6061 and EN8 Pair. *Indian Journal of Science and Technology*. 2021; 14(28): pp. 2368-2379. [DOI:10.17485/IJST/v14i28.1046](https://doi.org/10.17485/IJST/v14i28.1046).
225. **Aswant Kumar Sharma, Dhanesh Kumar Sambariya**. Mixed Method for Model Order Reduction Using Meta Heuristic Harris Hawk and Routh Hurwitz Array Technique *Indian Journal of Science and Technology*. 2021; 14(28): pp. 2380-2390. [DOI:10.17485/IJST/v14i28.1054](https://doi.org/10.17485/IJST/v14i28.1054).
226. **A Gnanavelu, T S Shanmuganathan, V Deepesh, S Suresh**. Validation of a Modified Procedure for the determination of Chemical Oxygen Demand using standard dichromate method in industrial wastewater samples with high calcium chloride content *Indian Journal of Science and Technology*. 2021; 14(29): pp. 2391-2399. [DOI:10.17485/IJST/v14i29.1412](https://doi.org/10.17485/IJST/v14i29.1412).
227. **Oliver U Ekwueme, Daniel N Obiora, Francisca N Okeke, Johnson C Ibut**. Environmental assessment of gully erosion in parts of Enugu north, Southeastern Nigeria *Indian Journal of Science and Technology*. 2021; 14(29): pp. 2400-2409. [DOI:10.17485/IJST/v14i29.933](https://doi.org/10.17485/IJST/v14i29.933).
228. **B Iswarya, B Radha**. Reliable path identifying protocol in VANET *Indian Journal of Science and Technology*. 2021; 14(29), pp 2410- 2419. [DOI:10.17485/IJST/v14i29.438](https://doi.org/10.17485/IJST/v14i29.438).

229. **K Packialakshmi, Liji Sara Varghese, K Thenesha.** Reading Habits in Digital Era during Lockdown among Adolescent *Indian Journal of Science and Technology*. 2021; 14(29): pp. 2420-2426. [DOI:10.17485/IJST/v14i29.608](https://doi.org/10.17485/IJST/v14i29.608).
230. **Minendra L Surve, Sanket S Unde, Kailasnath B Sutar, Priyanka Dhurpate, Dnyaneshwar G Kumbhar.** Computational Studies on Airfoil for Micro-Capacity Horizontal Axis Wind Turbine *Indian Journal of Science and Technology*. 2021; 14(29): pp. 2427-2438. [DOI:10.17485/IJST/v14i29.824](https://doi.org/10.17485/IJST/v14i29.824).
231. **Kamakshi Singh, Ramakar Jha.** Critical appraisal of water quality model parameters for an urban city in lower Ganga basin during pre- and post-COVID19 Lockdown in India *Indian Journal of Science and Technology*. 2021; 14(29): pp. 2439-2447. [DOI:10.17485/IJST/v14i29.242](https://doi.org/10.17485/IJST/v14i29.242).
232. **Rahul Singh, Ram Chandra Singh Chauhan.** Power Efficient Biquadratic Filter designing using OTA *Indian Journal of Science and Technology*. 2021; 14(29): pp. 2448-2459. [DOI:10.17485/IJST/v14i29.2293](https://doi.org/10.17485/IJST/v14i29.2293).
233. **Phan Bui Khoi, Nguyen Truong Giang, Hoang Van Tan.** Control and Simulation of a 6-DOF Biped Robot based on Twin Delayed Deep Deterministic Policy Gradient Algorithm *Indian Journal of Science and Technology*. 2021; 14(30): pp. 2460-2471. [DOI:10.17485/IJST/v14i30.1030](https://doi.org/10.17485/IJST/v14i30.1030).
234. **Ashutosh Shukla, Ajey Kumar Vishwakarma, Hiroko ONO, Mustafa Said Habibi.** Using Quantum GIS for Real-Time Monitoring of Groundwater Quality: A Case Study of Gorakhpur City, India *Indian Journal of Science and Technology*. 2021; 14(30): pp. 2472-2482. [DOI:10.17485/IJST/v14i30.410](https://doi.org/10.17485/IJST/v14i30.410).
235. **Rashmi Gupta, Jeetendra Kumar.** Outlier based Human Fall Detection using One-Class Classification *Indian Journal of Science and Technology*. 2021; 14(30): pp. 2494-2503. [DOI:10.17485/IJST/v14i30.821](https://doi.org/10.17485/IJST/v14i30.821).
236. **K Jagathy, K Lavanya.** Comparative study on Synergistic effect of plant growth promoting microalgae and Panchagavya in reclaiming the wasteland and growth induction of *Vigna radiata* *Indian Journal of Science and Technology*. 2021; 14(30): pp. 2504-2510. [DOI:10.17485/IJST/v14i30.855](https://doi.org/10.17485/IJST/v14i30.855).
237. **S Vyas.** A Systematic Review on Nutritional Vulnerability and Opportunity during the First 1000 Days of Life for Ensuring Better Human Capital *Indian Journal of Science and Technology*. 2021; 14(30): pp. 2511-2516. [DOI:10.17485/IJST/v14i30.1253](https://doi.org/10.17485/IJST/v14i30.1253).
238. **Dheeraj Kumar Dhaked, Dinesh Birla.** Microgrid Designing for Electrical Two-Wheeler Charging Station Supported by Solar PV and Fuel Cell *Indian*

- Journal of Science and Technology*. 2021; 14(30): pp. 2517- 2525.
[DOI:10.17485/IJST/v14i30.224](https://doi.org/10.17485/IJST/v14i30.224).
239. Pradtana Muangprakaew, Nucharin Luangsa-Ard, Juntira Komastitaya. Study of Physical, Mechanical, and Barrier Properties in Linear Low-Density Polyethylene Mixed with Silver Zeolite Nanoparticles (Ag-zeolite) Film *Indian Journal of Science and Technology*. 2021; 14(31): pp. 2526-2534.
[DOI:10.17485/IJST/v14i31.1](https://doi.org/10.17485/IJST/v14i31.1).
240. Logesh Kumar M, Baskar Prabu, Annadurai Shalini. Experimental studies on the utilization of kaolinite amalgamated in cement mortar *Indian Journal of Science and Technology*. 2021; 14(31): pp. 2535- 2541.
[DOI:10.17485/IJST/v14i31.837](https://doi.org/10.17485/IJST/v14i31.837).
241. Swarnangini Sinha, Kanak Saxena, Nisheeth Joshi. Detecting Multi- label emotions from code-mixed Facebook Status Updates *Indian Journal of Science and Technology*. 2021; 14(31): pp. 2542-2549.
[DOI:10.17485/IJST/v14i31.1122](https://doi.org/10.17485/IJST/v14i31.1122).
242. Muthumani Mamudha, Anbu Jeba Sunilson. Extraction, identification and molecular docking studies evaluation of Momordica tuberosa (Roxb) against Anopheles *Indian Journal of Science and Technology*. 2021; 14(31): pp. 2550-2556. [DOI:10.17485/IJST/v14i31.913](https://doi.org/10.17485/IJST/v14i31.913).
243. Ganiyu A Busari, Nae W Kwak, Dong H Lim. An Application of AdaBoost-GRU Ensemble Model to Economic Time Series Prediction *Indian Journal of Science and Technology*. 2021; 14(31): pp. 2557- 2566.
[DOI:10.17485/IJST/v14i31.1204](https://doi.org/10.17485/IJST/v14i31.1204).
244. Naol Bakala Defersha, Kula Kekeba Tune. Detection of Hate Speech Text in Afan Oromo Social Media using Machine Learning Approach *Indian Journal of Science and Technology*. 2021; 14(31): pp. 2567- 2578.
[DOI:10.17485/IJST/v14i31.1019](https://doi.org/10.17485/IJST/v14i31.1019).
245. T E Somesh, L R Shivakumar, M A Sangamesh, Siddaramaiah, T Demappa. Polymer nanocomposites comprising PVA matrix and AgGaO₂ nanofillers: Probing the effect of intercalation on optical and dielectric response for optoelectronic applications *Indian Journal of Science and Technology*. 2021; 14(31): pp. 2579-2589. [DOI:10.17485/IJST/v14i31.1614](https://doi.org/10.17485/IJST/v14i31.1614).
246. R Parimala, K Gomathi. TOPNMF: Topic based Document Clustering using Non-negative Matrix Factorization *Indian Journal of Science and Technology*. 2021; 14(31): pp. 2590-2595. [DOI:10.17485/IJST/v14i31.1293](https://doi.org/10.17485/IJST/v14i31.1293).

247. **Deepa N Reddy, Yerram Ravinder.** Spectrum Sensing in Non- Gaussian Noise *Indian Journal of Science and Technology*. 2021; 14(32): pp. 2596-2606. [DOI:10.17485/IJST/v14i32.1034](https://doi.org/10.17485/IJST/v14i32.1034).
248. **Karen Charly Veigas, Durga Srilekha Regulagadda, Sujatha Arun Kokatnoor.** Optimized Stacking Ensemble (OSE) for Credit Card Fraud Detection using Synthetic Minority Oversampling Model *Indian Journal of Science and Technology*. 2021; 14(32): pp. 2607-2615. [DOI:10.17485/IJST/v14i32.807](https://doi.org/10.17485/IJST/v14i32.807).
249. **S leswaria, R Bhavani, R Priya.** Bin Code: Encoding and Decoding of Picture Embedded Barcodes by Novel Intensity Bin *Indian Journal of Science and Technology*. 2021; 14(32): pp. 2616-2625. [DOI:10.17485/IJST/v14i32.891](https://doi.org/10.17485/IJST/v14i32.891).
250. **Heba Haddad, Hiroko Ono , Fakhrullah Sarwari.** The applicability of a non-motorized transportation system in the downtown of Baniyas city, Syria *Indian Journal of Science and Technology*. 2021; 14(32): pp. 2626-2639. [DOI:10.17485/IJST/v14i32.1229](https://doi.org/10.17485/IJST/v14i32.1229).
251. **Wadhwa Medha, Kalyan Pulkit, Sharma Rahul, Thakkar Mital, Chatterjee Subhasish, Darji Prachi, Kumari Uma, Pithadia Devanshi, Vahora Sifa, Christian Sibya, Patil Yash.** A study to assess the knowledge towards evidence- based healthcare among the healthcare professionals of Vadodara: A Cross-Sectional Study *Indian Journal of Science and Technology*. 2021; 14(32): pp. 2640-2645. [DOI:10.17485/IJST/v14i32.1323](https://doi.org/10.17485/IJST/v14i32.1323)
252. **S Sivamani, D R Manimaran, A Banupriya, N Prathap, G Vasu, P Kanakasabai.** A Comprehensive Review on Liquid-Liquid Extraction Based Systems in Treatment of Textile Wastewater. *Indian Journal of Science and Technology*. 2021; 14(33): pp. 2646-2662. [DOI: 10.17485/IJST/v14i33.1076](https://doi.org/10.17485/IJST/v14i33.1076).
253. **Jagadeesh Chandra Prasad Matta, P Siddiah.** A Modified OMP Algorithm with Reduced Feedback Overhead for Massive MIMO System. *Indian Journal of Science and Technology*. 2021; 14(33): pp. 2663-2670. [DOI: 10.17485/IJST/v14i33.1442](https://doi.org/10.17485/IJST/v14i33.1442).
254. **Seyed E Esmaeili, Abeer Imdoukh.** Decreasing the Power-Clock Resonant Signal Central Voltage as a Mean for Power Reduction in Integrated Power and Clock Distribution Networks. *Indian Journal of Science and Technology*. 2021; 14(33): pp. 2671-2683. [DOI: 10.17485/IJST/v14i33.1820](https://doi.org/10.17485/IJST/v14i33.1820).
255. **G Vaidyanathan.** Electricity Generation Options for India-A Critical Evaluation. *Indian Journal of Science and Technology*. 2021; 14(33): pp. 2684-2710. [DOI: 10.17485/IJST/v14i33.gv](https://doi.org/10.17485/IJST/v14i33.gv).

256. P Thirupathi, B R Venkatraman. Corrosion inhibition and thermodynamic studies on carbon steel in well water by ethanolic extract of *Alpinia officinarum* leaves (Lesser galangal)-Zn²⁺. *Indian Journal of Science and Technology*. 2021; 14(33): pp. 2711-2730. [DOI: 10.17485/IJST/v14i33.1489](https://doi.org/10.17485/IJST/v14i33.1489).
257. Valarmathy Govindaraj, Subbalakshmi Ramanathan, Nithya Rajendran, Nandhini Ragu, Sabarika Balachandaran, Aarthi Elanchleiyar. Synthesis, Spectral Characterisation and Cytotoxic Evaluation of Substituted Sulfonamide Schiff Bases. *Indian Journal of Science and Technology*. 2021; 14(34): pp. 2731- 2741. [DOI: 10.17485/IJST/v14i34.888](https://doi.org/10.17485/IJST/v14i34.888).
258. Hima Bindu Katikala, G Ramana Murthy, Yatavakilla Amarendra Nath. Design and Implementation of High Performance PPSK demodulator in Biomedical Implant. *Indian Journal of Science and Technology*. 2021; 14(34): pp. 2742-2750. [DOI: 10.17485/IJST/v14i34.1071](https://doi.org/10.17485/IJST/v14i34.1071).
259. A R Hairul Asri, Awal Prasetyo, Udadi Sadhana, Arlita Leniseptaria Antari, Hehera Rahajeng. Trend Analysis of Superoxide Dismutase 3 (SOD3) and Reactive Oxygen Species (ROS) levels on BioSmart and Safe Bus Passengers. *Indian Journal of Science and Technology*. 2021; 14(34): pp. 2751-2760. [DOI: 10.17485/IJST/v14i34.769](https://doi.org/10.17485/IJST/v14i34.769).
260. Mital Thakkar, Medha Wadhwa, Bhargavi Desai, Apeksha Singh, Jenish Panchal, Ayush Shrivastava, Meenakshi Meena, Minesh Patel. A Study on Radiation Safety Awareness amongst the Healthcare Professionals of Private Hospital in Vadodara. *Indian Journal of Science and Technology*. 2021; 14(34): pp. 2761- 2765. [DOI: 10.17485/IJST/v14i34.1312](https://doi.org/10.17485/IJST/v14i34.1312).
261. P Naresh Kumar Reddy, Dadamiah P M D Shaik, D Nagamalleswari, K Thyagarajan, P Vishnu Prasanth. Electrochemical Activity of TiO₂ Nanoparticles in NaOH Electrolyte via Green Synthesis Using *Calotropis gigantea* Plant Leaf Extract. *Indian Journal of Science and Technology*. 2021; 14(34): pp. 2766- 2772. [DOI: 10.17485/IJST/v14i34.1424](https://doi.org/10.17485/IJST/v14i34.1424).
262. Mohit Soni, Rajesh Kumar Sharma, Shivram Sharma. The basic reproduction number and herd immunity for COVID-19 in India. *Indian Journal of Science and Technology*. 2021; 14(35): pp. 2773-2777. [DOI: 10.17485/IJST/v14i35.797](https://doi.org/10.17485/IJST/v14i35.797).
263. G Vembarasi, R Gowri. Super Root Cube of Cube Difference Labeling of Some Special Graphs. *Indian Journal of Science and Technology*. 2021; 14(35): pp. 2778-2783. [DOI: 10.17485/IJST/v14i35.1336](https://doi.org/10.17485/IJST/v14i35.1336).
264. Zorayda C Gavino, Vida V Gunnawa, Jeanny R Cammagay, Mathew Jun P Mariani. Sensory Evaluation of Blended Taro (*Colocasia Esculenta*) and

- Sweet Potato (*Ipomoea Batatas*) Polvoron. *Indian Journal of Science and Technology*. 2021; 14(35): pp. 2784-2788. [DOI: 10.17485/IJST/v14i35.766](https://doi.org/10.17485/IJST/v14i35.766).
265. S Sushma, T K Chandrashekar. An Experimental Investigation on Performance of Heat Transfer Using Heat Sink of Different Shape for Electronic Applications. *Indian Journal of Science and Technology*. 2021; 14(35): pp. 2789-2801. [DOI: 10.17485/IJST/v14i35.1179](https://doi.org/10.17485/IJST/v14i35.1179).
266. J Kavitha, R Gowdi. Direct Product of GK Algebra. *Indian Journal of Science and Technology*. 2021; 14(35): pp. 2802-2805. [DOI: 10.17485/IJST/v14i35.1308](https://doi.org/10.17485/IJST/v14i35.1308).
267. Shazia Irfan, Shajahan Shabbir Ahmed Rana, Imran Ali Sani, Liu Haun, Mu Weixue, Ruksana Jabeen, Nazeer Ahmed. Characterization of the Complete Chloroplast Genome Sequence of *Juniperus polycarpus* K. Koch (Cupressaceae), from Ziarat, Pakistan. *Indian Journal of Science and Technology*. 2021; 14(36): pp. 2806-2814. [DOI: 10.17485/IJST/v14i36.151](https://doi.org/10.17485/IJST/v14i36.151).
268. Gangadharan Malathi, Jayavelu Vadivelu, Shanmugam Rajeshkumar. Antioxidant Revival of *Cucumis melo* L. Modulates the Oxidant-antioxidant Status on Chromium VI Toxicity Induced Male Albino Rats. *Indian Journal of Science and Technology*. 2021; 14(36): pp. 2815-2825. [DOI: 10.17485/IJST/v14i36.1688](https://doi.org/10.17485/IJST/v14i36.1688).
269. Prasenjit Debnath, Ngangbam Ishwarchandra. The Study of the Energy Conditions of the Universe and Unique Solutions of the Einstein's Field Equations in the Lights of the Theory of General Relativity. *Indian Journal of Science and Technology*. 2021; 14(36): pp. 2826-2831. [DOI: 10.17485/IJST/v14i36.873](https://doi.org/10.17485/IJST/v14i36.873).
270. E Karthikeyan, S Sathishkumar, Srinivas Yasala, K Emperumal, C Ranjith Dev Inbaseelan. An Investigation of Response of the Tropical Cyclone Ockhi in the Equatorial Ionosphere over the Indian region. *Indian Journal of Science and Technology*. 2021; 14(36): pp. 2832-2841. [DOI: 10.17485/IJST/v14i36.1459](https://doi.org/10.17485/IJST/v14i36.1459).
271. Nargiz Kamal Bayramova , Nargiz Fakhraddin Sultanova , Durna Rafail Aliyeva , Irada Mammad Huseynova. Lipid Peroxidation Level and Peroxidase Activity in (*Vitis vinifera* L.) Leaves Infected with Grapevine Leafroll-Associated Virus 3. *Indian Journal of Science and Technology*. 2021; 14(36): pp. 2842-2849. [DOI: 10.17485/IJST/v14i36.1612](https://doi.org/10.17485/IJST/v14i36.1612).
272. Mohamed Sayed Alashhab, Ehab A Mlybari. Developing a multi-item, multi-product, and multi-period supply chain planning optimization model. *Indian*

- Journal of Science and Technology*. 2021; 14(37): pp. 2850-2859. [DOI: 10.17485/IJST/v14i37.867](https://doi.org/10.17485/IJST/v14i37.867).
273. **Anuj Kumar Garg**. Quantitative Analysis of Caffeine in the Green Tea, Black Tea and Soft Drink Using UV-Visible Spectrophotometer. *Indian Journal of Science and Technology*. 2021; 14(37): pp. 2860-2864. [DOI: 10.17485/IJST/v14i37.2241](https://doi.org/10.17485/IJST/v14i37.2241).
274. **Niel Francis B Casillano, Arceli A Azura, Erlick B Abenis, Jovito B Madeja**. Comparative Historical Trends of Faculty Performance in Instruction, Research and Extension in a Philippine State University. *Indian Journal of Science and Technology*. 2021; 14(37): pp. 2865-2870. [DOI: 10.17485/IJST/v14i37.946](https://doi.org/10.17485/IJST/v14i37.946).
275. **A A Abd El-Aziz, Khalaf Okab Alsalem, Mahmood A Mahmood**. An Intelligent Groundwater Management Recommender System. *Indian Journal of Science and Technology*. 2021; 14(37): pp. 2871-2879. [DOI: 10.17485/IJST/v14i37.1332](https://doi.org/10.17485/IJST/v14i37.1332).
276. **Yvette D Medrano, Gerald M Duza, Ricardo B Casauay, Andrea F Dawan, Lyle Gavien L Alcomendras**. Efficacy of Rice Hull Ash against Bacterial Leaf Blight, *Xanthomonas oryzae* pv. *Oryzae*. *Indian Journal of Science and Technology*. 2021; 14(37): pp. 2880-2887. [DOI: 10.17485/IJST/v14i37.570](https://doi.org/10.17485/IJST/v14i37.570).
277. **S Chaitanya Kumari , V Selvakumar , P Naga Padma¹, K Anuradha**. Optimization Studies on Green Synthesis of Silver Nanoparticles from different Plant Extracts Using Taguchi Design. *Indian Journal of Science and Technology*. 2021; 14(38): pp. 2888-2898. [DOI: 10.17485/IJST/v14i38.1065](https://doi.org/10.17485/IJST/v14i38.1065).
278. **Premanand Ghadekar, Gurdeep Singh , Joydeep Datta , Aryan Kumar Gupta , Divsehaj Singh Anand , Shreyas Khare , Preeti Oswal, Dheeraj Sharma**. COVID-19 Face Mask Detection using Deep Convolutional Neural Networks & Computer Vision. *Indian Journal of Science and Technology*. 2021; 14(38): pp. 2899- 2915. [DOI: 10.17485/IJST/v14i38.996](https://doi.org/10.17485/IJST/v14i38.996).
279. **Sarvesh S Phatak, Yogesh B Mandake, D S Banka**. Development and performance analysis of switched reluctance motor for E-rickshaw. *Indian Journal of Science and Technology*. 2021; 14(38): pp. 2916-2933. [DOI: 10.17485/IJST/v14i38.1713](https://doi.org/10.17485/IJST/v14i38.1713).
280. **Rajan Aswanandini, Chandran Deepa**. Hyper-Heuristic Firefly Algorithm Based Convolutional Neural Networks for Big Data Cyber Security. *Indian Journal of Science and Technology*. 2021; 14(38): pp. 2934-2945. [DOI: 10.17485/IJST/v14i38.1401](https://doi.org/10.17485/IJST/v14i38.1401).

281. **Jemal Abate Jilo, Ashenafi Tulu Alemu, Fikirte Zemene Abera, Faizur Rashid.** An Integrated Development of a Query-Based Document Summarization for Afaan Oromo Using Morphological Analysis. *Indian Journal of Science and Technology*. 2021; 14(38): pp. 2946-2952. [DOI: 10.17485/IJST/v14i38.1182](https://doi.org/10.17485/IJST/v14i38.1182).
282. **Alpha Edward, Ernest R Mbega , Shubi F Kaijage.** Potential of Mobile-Based Apps Online Platforms in Fast-Tracking Access of Agriculture Information. *Indian Journal of Science and Technology*. 2021; 14(39): pp. 2953-2960. [DOI: 10.17485/IJST/v14i39.729](https://doi.org/10.17485/IJST/v14i39.729).
283. **Panchaxri, Basavaraj N Jagadale , B S Priya , Mukund N Nargund.** Image Denoising using Adaptive NL Means Filtering with Method Noise Thresholding. *Indian Journal of Science and Technology*. 2021; 14(39): pp. 2961-2970. [DOI: 10.17485/IJST/v14i39.1532](https://doi.org/10.17485/IJST/v14i39.1532).
284. **G V S S N Srirama Sarma, B Ravindranath Reddy, Pradeep M Nirgude , P Vasudeva Naidu.** Analysis of 11kV/ 430 V 500 kVA Transformer Dissolved Gas using Pre-processing Techniques through Duval's Triangle. *Indian Journal of Science and Technology*. 2021; 14(39): pp. 2971-2981. [DOI: 10.17485/IJST/v14i39.1923](https://doi.org/10.17485/IJST/v14i39.1923).
285. **Mary Ann A Aguilar , Jeroll C Braganza , Gemalyn D Guiwanas , Eugene C Magpayo , Frederick F Patacsil.** Design and Implementation of i-Inhs: A Learning Management System for Lananpin National High School. *Indian Journal of Science and Technology*. 2021; 14(39): pp. 2982-2997. [DOI: 10.17485/IJST/v14i39.1142](https://doi.org/10.17485/IJST/v14i39.1142).
286. **Birhanu Gardie, Smegnew Asemie, Kassahun Azezew.** Anyuak Language Named Entity Recognition Using Deep Learning Approach. *Indian Journal of Science and Technology*. 2021; 14(39): pp. 2998-3006. [DOI: 10.17485/IJST/v14i39.1163](https://doi.org/10.17485/IJST/v14i39.1163).
287. **Bandita Panda , Sandip K Dash.** Electrochemical Fabrication and Characterization of a Gold-Polyaniline /Multi-walled Carbon Nanotubes/Manganese Dioxide Composite Electrode. *Indian Journal of Science and Technology*. 2021; 14(40): pp. 3007-3013. [DOI: 10.17485/IJST/v14i40.1420](https://doi.org/10.17485/IJST/v14i40.1420).
288. **Djarot Sulistio Wisnubroto, Ruslan Ruslan , Dimas Irawan , Theresia Erni Wijayanti.** Is West Lalimantan More Suitable for Constructing the First Nuclear Power Plant in Indonesia Compared with Bangka Belitung? Analysis of Public Surveys in those Two Provinces. *Indian Journal of Science and Technology*. 2021; 14(40): pp. 3014-3025. [DOI: 10.17485/IJST/v14i40.1111](https://doi.org/10.17485/IJST/v14i40.1111).

289. **Ankita Chadha, Azween Abdullah , Lorita Angeline, Sivakumar Sivanesan.** A review on state-of-the-art Automatic Speaker verification system from spoofing and anti-spoofing perspective. *Indian Journal of Science and Technology*. 2021; 14(40): pp. 3026-3050. [DOI: 10.17485/IJST/v14i40.1279](https://doi.org/10.17485/IJST/v14i40.1279).
290. **T Bharathi, S Leo.** A Study on Plithogenic Product Fuzzy Graphs with Application in Social network. *Indian Journal of Science and Technology*. 2021; 14(40): pp. 3051-3063. [DOI: 10.17485/IJST/v14i40.1298](https://doi.org/10.17485/IJST/v14i40.1298).
291. **Keerthana Chigateri, Rekha Bhandarkar.** Necessity and Preference Mining from Text Reviews: A Non-bipolar assessment of Text Reviews. *Indian Journal of Science and Technology*. 2021; 14(40): pp. 3064-3073. [DOI: 10.17485/IJST/v14i40.701](https://doi.org/10.17485/IJST/v14i40.701).
292. **Susheela Hooda, Vikas Lamba, Amandeep Kaur.** Performance Evaluation of “Ga- Fc” Technique for Aspect-Oriented Software System. *Indian Journal of Science and Technology*. 2021; 14(41): pp. 3074-3081. [DOI: 10.17485/IJST/v14i41.1141](https://doi.org/10.17485/IJST/v14i41.1141).
293. **P S Subhashini Pedalanka, M SatyaSai Ram, Duggirala Sreenivasa Rao.** Mel Frequency Cepstral Coefficients based Bacterial Foraging Optimization with DNN-RBF for Speaker Recognition. *Indian Journal of Science and Technology*. 2021; 14(41): pp. 3082-3092. [DOI: 10.17485/IJST/v14i41.1858](https://doi.org/10.17485/IJST/v14i41.1858).
294. **Kumaresh Sheelavant, R Sumathi.** Dynamic Compilation of Pattern based clustering and Volumetric Probabilistic Mining for Network Routing in Cognitive Radio Sensor Networks. *Indian Journal of Science and Technology*. 2021; 14(41): pp. 3093-3106. [DOI: 10.17485/IJST/v14i41.1838](https://doi.org/10.17485/IJST/v14i41.1838).
295. **G Amudha.** Ensuring Secure Routing in Wireless Sensor Network Using Active Trust. *Indian Journal of Science and Technology*. 2021; 14(41): pp. 3107-3113. [DOI: 10.17485/IJST/v14i41.424](https://doi.org/10.17485/IJST/v14i41.424).
296. **Hema Tekwani, Krishna Raj.** Role Of Pattern Characteristics In Cross Correlation Based Motion Estimation. *Indian Journal of Science and Technology*. 2021; 14(41): pp. 3114-3125. [DOI: 10.17485/IJST/v14i41.1137](https://doi.org/10.17485/IJST/v14i41.1137).
297. **Birhanu Gardie, Kassahun Azezew, Smegnew Asemie.** Image-based Tomato Disease Identification Using Convolutional Neural Network. *Indian Journal of Science and Technology*. 2021; 14(42): pp. 3126-3132. [DOI: 10.17485/IJST/v14i42.1164](https://doi.org/10.17485/IJST/v14i42.1164).
298. **Anis Mhalla, Mohanned Gaid, Dimitri Lefebvre.** Robust control strategies facing disturbances in Railway Transport Networks. *Indian Journal of*

- Science and Technology*. 2021; 14(42): pp. 3133-3143. [DOI: 10.17485/IJST/v14i42.1181](https://doi.org/10.17485/IJST/v14i42.1181).
299. **H C Shanthakumar, G S Nagaraja, Mustafa Basthikodi**. System for Fusion of Face and Speech Modalities Using DTCWT+QFT and MFCC+RASTA Techniques. *Indian Journal of Science and Technology*. 2021; 14(42): pp. 3144-3156. [DOI: 10.17485/IJST/v14i42.1316](https://doi.org/10.17485/IJST/v14i42.1316)
300. **Mohit Soni, Rajesh Kumar Sharma, Shivram Sharma**. Uncertainty in the Spread of COVID-19: An Analysis in the Context of India. *Indian Journal of Science and Technology*. 2021; 14(42): pp. 3157-3176. [DOI: 10.17485/IJST/v14i42.1004](https://doi.org/10.17485/IJST/v14i42.1004).
301. **N J Harish, H S Manjunatha Reddy**. Robustness Performance Analysis of OEERS Clustering Technique for Heterogeneous Network Models. *Indian Journal of Science and Technology*. 2021; 14(42), pp. 3177-3189. [DOI: 10.17485/IJST/v14i42.714](https://doi.org/10.17485/IJST/v14i42.714).
302. **Ammilal Rao, Ganesh Kumar, Neha Singh**. EDAS and TOPSIS based Estimation of Oxidation of Methionine by Cr(VI) Reagents. *Indian Journal of Science and Technology*. 2021; 14(43): pp. 3190-3198. [DOI: 10.17485/IJST/v14i43.1508](https://doi.org/10.17485/IJST/v14i43.1508).
303. **Rajesh Kannan Moorthy, Chandhru Srinivasan, Sridharan Jayamohan, Mahesh Kumar Kannan, Siva Sankari Thirugnanam, Janaki Sankar Ganesh, Antony Joseph Velanganni Arockiam**. Knockdown of microRNA-375 suppresses cell proliferation and promotes apoptosis in human breast cancer cells. *Indian Journal of Science and Technology*. 2021; 14(43): pp. 3199-3209. [DOI: 10.17485/IJST/v14i43.1719](https://doi.org/10.17485/IJST/v14i43.1719)
304. **Natraj Mishra, S P Singh**. Dynamic modelling and control of flexible link manipulators: methods and scope- Part-1. *Indian Journal of Science and Technology*. 2021; 14(43): pp. 3210-3226. [DOI: 10.17485/IJST/v14i43.1418-L](https://doi.org/10.17485/IJST/v14i43.1418-L).
305. **Anagha D Ananth, Sujatha Arun Kokatnoor**. An Enhanced Ensemble of Long Short-Term Memory and Vector AutoRegression for Energy Consumption Forecasting. *Indian Journal of Science and Technology*. 2021; 14(43): pp. 3227-3236. [DOI:10.17485/IJST/v14i43.655](https://doi.org/10.17485/IJST/v14i43.655).
306. **Ulduza A Gurbanova, Shahniyar M Bayramov, Novruz M Guliev, Irada M Huseynova**. Changes in Some Carbon and Nitrogen Metabolism Enzymes in Field-Grown Wheat. *Indian Journal of Science and Technology*. 2021; 14(43): pp. 3237-3245. [DOI:10.17485/IJST/v14i43.1128](https://doi.org/10.17485/IJST/v14i43.1128).

307. **S Sathiya Priya, J G R Sathiaseelan.** Enhanced Retina Blood Vessel Segmentation by Super Resolution Generative Adversarial Networks based U-Net. *Indian Journal of Science and Technology*. 2021; 14(43): pp. 3246-3253. [DOI:10.17485/IJST/v14i43.1502](https://doi.org/10.17485/IJST/v14i43.1502).
308. **Smegnew Asemie, Kassahun Azezew, Birhanu Gardie.** Design and Develop Amharic Language Interface to Database. *Indian Journal of Science and Technology*. 2021; 14(44): pp. 3254-3263. [DOI: 10.17485/IJST/v14i44.1178](https://doi.org/10.17485/IJST/v14i44.1178)
309. **Siham Abdulmalik Mohammed Almasani, Wadea Ahmed Abdo Qaid Jamil Abdulhamid Mohammed Saif, Ibrahim A A Alqubati.** Fuzzy rule based sentiment analysis for finding University Student Satisfaction in Yemen. *Indian Journal of Science and Technology*. 2021; 14(44): pp. 3264-3269. [DOI: 10.17485/IJST/v14i44.1283](https://doi.org/10.17485/IJST/v14i44.1283).
310. **S Rekha, K R Nataraj, K R Rekha, S Mallikarjunaswamy.** Comprehensive Review of Optimal Utilization of Clock and Power Resources in Multi Bit Flip Flop Techniques. *Indian Journal of Science and Technology*. 2021; 14(44): pp. 3270-3279. [DOI: 10.17485/IJST/v14i44.1790](https://doi.org/10.17485/IJST/v14i44.1790).
311. **Yonnas Addis, Seid Sani.** Impact of Adoption of Improved Agricultural Production Technologies on Cereal Crops Productivity and Farmers' Welfare in Central Ethiopia. *Indian Journal of Science and Technology*. 2021; 14(44): pp. 3280-3287. [DOI: 10.17485/IJST/v14i44.1306](https://doi.org/10.17485/IJST/v14i44.1306).
312. **Harish Kumar, Abhinav Gupta, Siddharth Savyasachi Malu, Shashikant Gupta.** Slow Accretion of Helium Rich Matter onto C-O White Dwarf: Does Composition of WD Matter?. *Indian Journal of Science and Technology*. 2021; 14(44): pp. 3288-3294. [DOI: 10.17485/IJST/v14i44.1681](https://doi.org/10.17485/IJST/v14i44.1681).
313. **Melanie Santos Manuel, Bernadette Colangan Aggabao, Cherry Ann Doctor Bona.** Knowledge, Attitude, and Practices about Chemical Laboratory Safety of the Faculty, Staff and Students of Kalinga State University. *Indian Journal of Science and Technology*. 2021; 14(45): pp. 3295-3303. [DOI: 10.17485/IJST/v14i45.822](https://doi.org/10.17485/IJST/v14i45.822).
314. **Rhoda A Namoco, Aristeo L Abecia, Raymond O Pailagao.** A Decision Support System for Optimizing Nutrient in Daily Lunch Intake among College Students in Cagayan de Oro City, Philippines using Linear Programming. *Indian Journal of Science and Technology*. 2021; 14(45): pp. 3304-3317. [DOI: 10.17485/IJST/v14i45.1457](https://doi.org/10.17485/IJST/v14i45.1457).
315. **Deepali M Bongulwar, S N Talbar.** Robust Convolutional Neural Network Model For Recognition of Fruits. *Indian Journal of Science and Technology*. 2021; 14(45): pp. 3318-3334. [DOI: 10.17485/IJST/v14i45.1493](https://doi.org/10.17485/IJST/v14i45.1493).

316. Al-Monte Vince M. Calo, Jocelyn B Barbosa, Jomar C Llevado. In-Classroom Faculty Attendance Monitoring System based on Ultra High Frequency (UHF) Radio Frequency Identification (RFID) with Captured Image Cross-verification Mechanism. *Indian Journal of Science and Technology*. 2021; 14(45): pp. 3335-3343. [DOI: 10.17485/IJST/v14i45.1782](https://doi.org/10.17485/IJST/v14i45.1782).
317. Manjunath Prasad, U N Kempaiah, R Murali Mohan, Madeva Nagaral. Microstructure, Tensile and Compression Behaviour of AlSi10Mg Alloy Developed by Direct Metal Laser Sintering. *Indian Journal of Science and Technology*. 2021; 14(45): pp. 3346-3353. [DOI: 10.17485/IJST/v14i45.1705](https://doi.org/10.17485/IJST/v14i45.1705).
318. Iroriterayeadjekpovu Janice Imizuokena. Integration of Cloud Computing in Teaching-Learning Process: The Nigerian Principal's Perspective. *Indian Journal of Science and Technology*. 2021; 14(45): pp.3354-3359. [DOI: 10.17485/IJST/v14i45.1087](https://doi.org/10.17485/IJST/v14i45.1087).
319. K R Arjun, T P Surekha. Over-the-Air Modulation Classification using Deep Learning in Fading Channels for Cognitive Radio. *Indian Journal of Science and Technology*. 2021; 14(46): pp. 3360-3369. [DOI: 10.17485/IJST/v14i46.2073](https://doi.org/10.17485/IJST/v14i46.2073)
320. H M D Nisansala, G K M Rajapaksha, D G N V Dikella, M J Dheerasinghe, N M S Sirimuthu, C N K Patabendige. Zinc Oxide Nanostructures in the Textile Industry. *Indian Journal of Science and Technology*. 2021; 14(46): pp. 3370-3395. [DOI: 10.17485/IJST/v14i46.1052](https://doi.org/10.17485/IJST/v14i46.1052).
321. Gloria Boakye, Yu Li, Esther Asare. Determination of the Efficiency of Port Performance and Productivity Based on Data Envelopment Analysis in the West Africa Sub-region. *Indian Journal of Science and Technology*. 2021; 14(46): pp. 3396-3406. [DOI: 10.17485/IJST/v14i46.1755](https://doi.org/10.17485/IJST/v14i46.1755).
322. Raj Kumar D Bhure^{1*}, K Manjunathachari. Design Of Digital Code Using Trellis Code to Improve Multiple Moving Target Detection in Doppler Radar. *Indian Journal of Science and Technology*. 2021; 14(46): pp. 3407-3415. [DOI: 10.17485/IJST/v14i46.1771](https://doi.org/10.17485/IJST/v14i46.1771).
323. Dawalappa B Husenkhan, T Sankarappa, Amarkumar Malge. DC Conductivity of Lithium-Zinc-Boro- Phosphate Glasses. *Indian Journal of Science and Technology*. 2021; 14(46): pp. 3416-3424. [DOI: 10.17485/IJST/v14i46.1890](https://doi.org/10.17485/IJST/v14i46.1890)
324. F Sadi, N Zaouadi, F Hallouz, A Dilmi Bouras, S Bensehaila, W Mosbahi, H Ouadjene. Elaboration of a Semi-Hard Cheese, "Gouda" Type, with Autochthonous Strains and Analysis of its Physicochemical and Sensory

- Composition. *Indian Journal of Science and Technology*. 2021; 14(47): pp. 3425-3432. [DOI: 10.17485/IJST/v14i47.1565](https://doi.org/10.17485/IJST/v14i47.1565).
325. **Shadab Alam Siddiqui, Tamanna Siddiqui**. Non-Functional Testing Framework for Container-Based Applications. *Indian Journal of Science and Technology*. 2021; 14(47): pp. 3433-3441. [DOI: 10.17485/IJST/v14i47.1909](https://doi.org/10.17485/IJST/v14i47.1909).
326. **E Prakash, I A Chidambaram, B Paramasivam**. Cascade 2DOF-PIDN-FOPIDN Controller based AGC System of a Multi-Source Restructured Power System with HES and IPFC. *Indian Journal of Science and Technology*. 2021; 14(47): pp. 3442-3455. [DOI: 10.17485/IJST/v14i47.2166](https://doi.org/10.17485/IJST/v14i47.2166).
327. **Ravish K Rathee, Sudipta K Mishra**. Water Policies in India: A Critical Review. *Indian Journal of Science and Technology*. 2021; 14(47): pp. 3456-3466. [DOI: 10.17485/IJST/v14i47.1828](https://doi.org/10.17485/IJST/v14i47.1828)
328. **V Srinivas, K Satyanna**. A Result on probabilistic 2-metric space using strong semi compatible mappings. *Indian Journal of Science and Technology*. 2021; 14(47): pp. 3467-3474. [DOI: 10.17485/IJST/v14i47.1513](https://doi.org/10.17485/IJST/v14i47.1513).
329. **Moctar Moctar, Thierry Sikoudouin Maurice Ky, Amadou Konfé, Boureima Dianda, Salifou Ouédraogo, Dieudonné Joseph Bathiébo**. Natural Convection Modeling in a Solar Tower. *Indian Journal of Science and Technology*. 2021; 14(48): pp. 3475-3493. [DOI: 10.17485/IJST/v14i48.1357](https://doi.org/10.17485/IJST/v14i48.1357)
330. **Natraj Mishra, S P Singh**. Dynamic Modelling and Control of Flexible Link Manipulators: Methods and Scope - Part 2. *Indian Journal of Science and Technology*. 2021; 14(48): pp. 3494-3508. [DOI: 10.17485/IJST/v14i48.1148_ii](https://doi.org/10.17485/IJST/v14i48.1148_ii).
331. **Sindhu J Achar, Chandrali Baishya**. Mathematical Analysis of Pluviculture in the Frame of Caputo Fractional Derivative. *Indian Journal of Science and Technology*. 2021; 14(48): pp. 3509-3524. [DOI: 10.17485/IJST/v14i48.1965](https://doi.org/10.17485/IJST/v14i48.1965).
332. **Manthesha, Patil B Mallikarjun, L Kavitha, K C Shobha**. Mixed Convection of Williamson Fluid along an Inclined Porous Microchannel with Chemical Reaction by taking Non-Constant Thermal Conductivity: An Entropy Analysis. *Indian Journal of Science and Technology*. 2021; 14(48): pp. 3525-3536. [DOI: 10.17485/IJST/v14i48.1853](https://doi.org/10.17485/IJST/v14i48.1853)