

Research Publications in 2021

- ✚ Nonita Sharma Jaiditya Dev · Monika Mangla, · Vaishali Mehta Wadhwa, Sachi Nandan Mohanty, · Deepti Kakkar., “A Heterogeneous Ensemble Forecasting Model for Disease Prediction”, New Generation Computing, 2021, 0288-3635, Web of Science/Scopus.
- ✚ Suman Avani, Shaila S G and A Vadivel., “Interval Graph of Facial Regions with Common Intersection Salient Points for Identifying and Classifying Facial Expression”, Multimed Tools and Applications, 2021, ISSN: 1380-7501, 1573-7721, UGC Care/Web of Science/Scopus.
- ✚ Sandeep Kumar Panda, Siba Prasad Dash, and Ajay Kumar Jena, “Optimization of Block QueryResponse Using Evolutionary Algorithm”, Data Engineering and Intelligent Computing, 2021, ISSN: 2194-5357, Others (Research Gate/Ebscohost).
- ✚ Sandeep Kumar Panda, D. Chandrasekhar Rao, and Suresh Chandra Satapathy, “An Investigation into the Usability of Blockchain Technology in Internet of Things”, Data Engineering and Intelligent Computing, 2021, ISSN: 2194-5357, Others (Research Gate/Ebscohost).
- ✚ Nagaraju Gajjela, Raj Nandkeolyar, “Investigating the magnetohydrodynamic flow of a couple stress dusty fluid along a stretching sheet in the presence of viscous dissipation and suction”, Heat Transfer, 2021, ISSN:2688-4542, UGC Care/Web of Science/Scopus.
- ✚ Sarit Chanda, Surendra Nadh Somala, “Uncertainty Quantification of Structural Response Due to Earthquake Loading.”, Lecture Notes in Civil Engineering (Book Chapter), 2021, Print ISBN:978-3-030-80311-7, Electronic ISBN: 978-3-030-80312-4, Others (Goggle Scholar/Ebscohost).
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- ✚ Manmadhachary A, Adityamohan Alwala, Haranadha Reddy M, “Manufacturing of custom-made implants for orbital fractures using 3D printing”, Bioprinting, 2021, , UGC Care/Scopus.
- ✚ U. Ravikiran , P. Sarah & Elizabeth Zacharias Ferroelectrics February, 0, VOL. , –, Publisher: Taylor and Francis WoS (SCI) and Scopus, “Electrical studies on Na and Sm substituted strontium bismuth titanate (SBTi) ceramics”, Ferroelectrics, 2021, Print ISSN: 0015-0193, Others (Goggle Scholar/Ebscohost).

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- ✚ RavikiranU, SarahP, A.R.James, ElizabethZacharias, “Investigation of the role of Sm, Na in ferroelectric, piezoelectric and conduction behaviour of Strontium Bismuth Titanate ceramics”, SOLID STATE COMMUNICATION,, 2021, ISSN: 0038-1098, Web of Science/Scopus.
- ✚ Kishore K Kumar and Movva Pavani, “Design of RF Planar Slow Wave Interaction Structure for THz Devices”, International Journal of Computer Aided Engineering and Technology, 2021, ISSN online 1757-2665, ISSN print 1757-2657, Web of Science/Scopus.
- ✚ Amrendra Singh Yadav, Nikita Singh & Dharmender Singh Kushwaha, “A scalable trust based consensus mechanism for secure and tamper free property transaction mechanism using DLT”, International Journal of System Assurance Engineering and Management, 2021, 0976-4348, Others (Proquest).
- ✚ Sandeep Kumar Panda, “Drug Traceability and Transparency in Medical Supply Chain using Blockchain for easing the process and creating trust between Stakeholders and Consumers”, Personal and Ubiquitous Computing, 2021, ISSN. 1617-4909, 1617-4917, Others (Goggle Scholar/Ebscohost).
- ✚ M L P Kishore,Vijay K Singh, R K Behra, Chandra S Saran, Manikant Paswan, Kapil Kumar., “Hydrodynamic characteristics of marine composite propeller blade using a numerical approach”, International Journal of Advances in Applied Sciences (IJAAS), 2021, EISSN: 2313-3724, Print ISSN: 2313-626X, Others (Goggle Scholar/Ebscohost).
- ✚ Rudrarapu Aravind, Gouri Sankhar Brahma, Trilochan Swain, “Heat repellent behavior of cobalt-based imidazole containing phosphate and meta-phosphate complex mixtures”, International Journal of Energy Research, 2021, 1099-114X, Others (Goggle Scholar/Ebscohost).17. Rudrarapu Aravind, Gouri Sankhar Brahma, Trilochan Swain, Akash Kumar Sahu, “Synthesis, characterization and thermal property of Nickel-Molybdenum mixed metal complex mixture”,Material Today: Proceedings, 2021, ISSN 2214-7853., UGC Care/Web of Science/Scopus.
- ✚ Rudrarapu Aravind, Gouri Sankhar Brahma, Trilochan Swain, Akash Kumar Sahu, “Co-Mo nano-composite material: Synthesis, characterization and thermal behaviour”, Material Today: Proceedings, 2021, ISSN 2214-7853., UGC Care/Web of Science/Scopus.
- ✚ Akash Kumar Sahu, Gouri Sankhar Brahma, Trilochan Swain, Rudrarapu Aravind, “Phosphate based mixture of Mn and Mg: Thermal energy storage materials”, Material Today: Proceedings, 2021, ISSN 2214-7853., UGC Care/Web of Science/Scopus.
- ✚ J.Pavan Kumar, et al., “Algorithmic Aspects of Certified Domination in Graphs”,Communications in Combinatorics and Optimization, 2021, ISSN 2538-2136 (Online), Others.
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- ✚ Shaik Himam Saheb, “Kinematic Performance Analysis of 3-DOF 3RRR Planar Parallel Manipulator”, *Advances in Intelligent Systems and Computing*, 2021, ISSN: 2194-5357, UGC Care/Scopus.
- ✚ Moinuddin, S.Q., Hameed, S.S, Dewangan, A.K., Kumar, R. and Kumari, S., “A Study on Weld Defects Classification in Gas Metal Arc Welding Process using Machine Learning Techniques”, *Materials Today Proceedings*, 2021, ISSN 2214-7853., Web of Science/Scopus.

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- ✚ R Aravind, Gouri Sankhar Brahma, “Synthesis, characterization of imidazole-based copper complex mixtures and study of their thermal behaviour”, International Journal of Energy Research, 2021, ISSN: 0363-907X (print); 1099-114X (web), UGC Care/Web of Science/Scopus.
- ✚ Rajesh Kumar Jha, Prashant Singh, “Fabrication and characterization of Sr_{0.8}Bi_{2.2}Ta₂O₉ /Al₂O₃ gate stack for ferroelectric field effect transistors”, Applied Physics A, Materials Science & Processing, 2021, ISSN: 14320630, 09478396, Web of Science/Scopus.
- ✚ Chandra Shekhar, Praveen Deora, Shreekant Varshney, Kunwar Pal Singh, Dinesh Chandra Sharma, “Optimal Profit Analysis of Machine Repair Problem with Repair in Phases and Organizational Delay”, International Journal of Mathematical, Engineering and Management Sciences, 2021, ISSN: 2455-7749, Others (Goggle Scholar/Ebscohost).
- ✚ Manmadhachary A, Aditya Mohan, Haranadha Reddy M, “Manufacturing of customized implants for orbital fractures using 3D printing”, Bio printing Journal, 2021, 2405-8866, Web of Science/Scopus.
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- ✚ A Chandrashekhar, Santhosh Kumar B M, Rajesh A S, Mahesh Kumar A S ,Dr Mangesh Sheshrao Kharate, Bharath M N, “Portrayal Assessment Of Industrial Mechanization Invention Line In The Framework Of Reinforcement Learning”, Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 3, 2021, 2780-2790, Others.
- ✚ Dr.A Chandrashekhar, Gangu Rama Naidu, Dr.Santosh Kumar, Dr.Sampada Gulavani, Dr.Manoj Sharma, Dr.Dhirendra Kumar Shukla., “Automated Classification and Detection of Brain Tumor using Wavelet Transform and Machine Learning”, Design Engineering, ISSN: 0011-9342 Issue: 7 | Pages: 11847 – 11854, 2021, ISSN: 0011-9342, Others.
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