

List of Research Publications Since 2016 to 2013

SCI	SCOPUS	WOS	TOTAL
10	26	11	47

SCI:

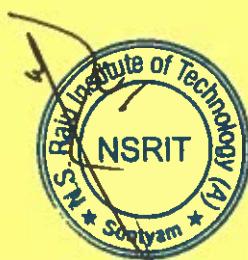
1. Lalitha, R.V.S., Krishna Prasad, P.E.S.N., Rama Reddy, T., Kavitha, K., Srinivas, R., Ravi Kiran, B."Efficient adaptive enhanced adaboost based detection of spinal abnormalities by Machine learning approaches " (2023) *Biomedical Signal Processing and Control*, 80, art. no. 104367,
2. Narasimhulu, N., Krishnam Naidu, R.S.R., Falkowski-Gilski, P., Divakarachari, P.B., Roy, U. " Energy Management for PV Powered Hybrid Storage System in Electric Vehicles Using Artificial Neural Network and Aquila Optimizer Algorithm"(2022) *Energies*, 15 (22), art. no. 8540, Cited 1 time.
3. Naidu, R.S.R.K., Palavalasa, M., Chatterjee, S."Integration of hybrid controller for power quality improvement in photo-voltaic/wind/battery sources" (2022) *Journal of Cleaner Production*, 330, art. no. 129914, . Cited 4 times.
4. Ramesh Pandian, R., Kalyani, G., Gokulan, R., Anitha, A.S. " Ziziphus Jujube seeds derived biomass as cost-effective Biosorbent for the removal of Cr⁶⁺ from aqueous solutions: isotherm and kinetic studies "(2023) *Global Nest Journal*, 25 (1), pp. 28-39..
5. Sathees Kumar, V., Raja Murugadoss, J., Gokulan, R., Ramkumar, S." Studies on influence of process parameters in upgradation of bio-oil derived from HTL of domestic household waste: Application of response surface methodology "(2023) *Global Nest Journal*, 25 (1), pp. 40-46.
6. Ravindiran, G., Gaddam, K., Sunil, K. " Experimental Investigation on Reactive Orange 16 Removal Using Waste Biomass of Ulva prolifera" (2022) *Advances in Materials Science and Engineering*, 2022, art. no. 7323588, . Cited 2 times.



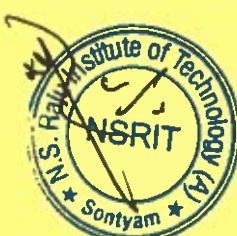
7. Jayaraju, R.M., Gaddam, K., Ravindiran, G., Palani, S., Paulraj, M.P., Achuthan, A., Saravanan, P., Muniasamy, S.K "Biochar from waste biomass as a biocatalyst for biodiesel production: an overview" (2022) *Applied Nanoscience (Switzerland)*, 12 (12), pp. 3665-3676. Cited 9 times.
8. Murugadoss, J.R., Balasubramaniam, N., Gokulan, R., Rajesh, K.N., Sreelal, G.P., Sudam, P.A., Rahman, D.R.Z., Ali, R.N. "Optimization of River Sand with Spent Garnet Sand in Concrete Using RSM and R Programming Packages" (2022) *Journal of Nanomaterials*, 2022, art. no. 4620687, . Cited 4 times.
9. Sivarethnamohan, S., Hanumanthu, J.R., Gaddam, K., Ravindiran, G., Alagumalai, A."Towards sustainable biodiesel production by solar intensification of waste cooking oil and engine parameter assessment studies"(2022) *Science of the Total Environment*, 804, art. no. 150236, . Cited 9 times.
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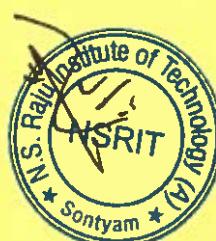
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2. Sreesailam, V.B., Pentakota, D.G., Pappala, T., Kopanati, S., Siripurapu, C.P. "A Novel Methodology Proposed to Produce A Secure Password" (2022) *Journal of Pharmaceutical Negative Results*, 13, pp. 5142-5150.
3. Kavya, P., Vineela, B., Madhavi, G.B., Saranya, K.V.S., Likhitha, M. "Review on Technologies and Tools of Big Data Analytics " (2022) *Journal of Pharmaceutical Negative Results*, 13, pp. 5036-5045.
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5. Simhadri, K., Bariki, S.K., Swamy, A.V.V.S. " Estimating the Potential of Carbon Sequestration in Tree Species of Chintapalle Forest Range, Narsipatnam Division, Visakhapatnam, Andhra Pradesh, India "(2021) *Nature Environment and Pollution Technology*, 20 (5), pp. 2087-2097.



6. Ravindiran, G., Saravanan, P., Jeyaraju, R.M., Josephraj, J. "Water-Conventional and novel treatment methods" (2021) *Solar-Driven Water Treatment: Re-engineering and Accelerating Nature's Water Cycle*, pp. 37-66. Cited 2 times
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8. Naveen, P.N.E., Sujith Kumar, B., Goriparthi, B.K., Hota, R.S., Chaitanya Mayee, M., Gopala Raju, S.S.S.V." Design and analysis of thin wall gear structure with TiO₂/GF reinforced Nylon66 composites" (2021) *Materials Today: Proceedings*, 46, pp. 382-389. Cited 1 time.
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 16. Kota, S., Padmanabhu, V.N.R., Budda, K., Sruthi, K." **Authentication and Encryption Using Modified Elliptic Curve Cryptography with Particle Swarm Optimization and Cuckoo Search Algorithm”(2018) Journal of The Institution of Engineers (India): Series B, 99 (4), pp. 343-351.** Cited 6 times.
 17. Krishna, C.M., Somasekhar, B., Swaroop, V.G.S." **A study on PAPR reduction and channel estimation in MIMO-OFDM system using wavelet transform” (2018) 2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017, pp. 1707-1711.** Cited 3 times.
 18. Swaroop, V.G.S., Krishna, M., Somasekhar, B." **ICI cancellation in SFBC-MIMO OFDM with carrier frequency/timing offset over Rayleigh fading channel” (2018) 2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017, pp. 1437-1442.**
 19. Murthy, K.S.R., Umakantham, K., Murthy, K.S.N., Madhav, B.T.P." **Polarization and frequency reconfigurable antenna for dual band ISM medical and Wi-Fi applications ” (2018) International Journal of Engineering and Technology(UAE), 7 (3.27 Special Issue 27), pp. 651-654.** Cited 8 times.
 20. Sujatha, K., Arjuna Rao, A., Yejrala, P., Sruthi, K.J." **Voter authentication using modified elliptic curve cryptography”(2018) Smart Innovation, Systems and Technologies, 77, pp. 497-504.** Cited 1 time.
 21. Mallikarjun, T., Kasiviswanath, I.V., Krishna, V., Chary, D.P." **Synthesis and spectral characterization of antimicrobial activity of the binuclear co(II), Ni(II), Cu(I!) and Zn(II) complexes of a novel macrocyclic biphenyl bridged schiff base Ligand ”(2017) Rasayan Journal of Chemistry, 10 (3), pp. 1015-1024.** Cited 4 times.
 22. Ishwarya, T.A.S.K., Appala Naidu, R.C., Meghana, K., Prabhakar Reddy, G. "A modern approach to design and integrate conceptual methods in video games with artificial intelligence” (2017) Materials Today: Proceedings, 4 (8), pp. 9100-9106. Cited 2 times



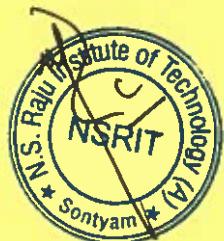
23. Srinivasa Rao, M.S., Ravi Kumar, B.V.R., Manzoor Hussain, M. " **Experimental study on the effect of welding parameters and tool pin profiles on the IS:65032 aluminum alloy FSW joints**" (2017) *Materials Today: Proceedings*, 4 (2), pp. 1394-1404. Cited 19 times.
24. Lakshmi, A.V.S., Kumar, K.K., Gayatri, B., Kartek, V.S."**Analysis and design of a controller for an SMIB power system via time domain approach**" (2016) *Indian Journal of Science and Technology*, 9 (44), art. no. 102985, .
25. Gayatri, B., Kumar, K.K., Lakshmi, A.V.S " **Uncertain systems order reduction by modal analysis approach**" (2016) *Indian Journal of Science and Technology*, 9 (38), art. no. 96367, . Cited 1 time.
26. Narendra Kumar, D., Samalla, H., Jaganmohana Rao, C., Swamy Naidu, Y., Alfoni Jose, K., Mamadha Kumar, B."**Position and orientation control of a mobile robot using neural networks**" (2015) *Smart Innovation, Systems and Technologies*, 32, pp. 123-131. Cited 1 time.

WOS

1. Arunakumari, S., Rajasekahr, K., Sunithamani, S., Suresh Kumar, D. " **Carry Select Adder Using Binary Excess-1 Converter and Ripple Carry Adder**" (2023) *Lecture Notes in Electrical Engineering*, 904, pp. 289-294
2. Narasimham, C., Manasa, V., Karimiselly, S., Viswanadha Reddy, N., Maurya, S. "**Detection of Unauthorized Access Points Based on Machine Learning Techniques**" (2023) *Lecture Notes in Networks and Systems*, 467, pp. 405-410.
3. Raju, K., Chinna Rao, B., Saikumar, K., Lakshman Pratap, N. " **An Optimal Hybrid Solution to Local and Global Facial Recognition Through Machine Learning**" (2022) *Intelligent Systems Reference Library*, 210, pp. 203-226. Cited 22 times.
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- Hydrolysis of 1,2-bis (salicylidinimino) Ethane"(2018) Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 88 (4), pp. 491-498.**
7. Murthy, K.S.R., Umakantham, K., Murthy, K.S.N., Madhav, B.T.P." **U-shaped slotted reconfigurable monopole with wimax band notching**"(2017) *Journal of Advanced Research in Dynamical and Control Systems*, 9 (Special Issue 14), pp. 1911-1919. Cited 9 times.
 8. Gayatri, B., Kumar, K.K., Lakshmi, A.V.S., Kartikey, V.S." **Uncertain systems order reduction by aggregation method**"(2017) *International Journal of Electrical and Computer Engineering*, 7 (1), pp. 244-252. Cited 2 times.
 9. Vara Prasad, M.G., Sundarayya, P." **Generalized self-invertiblekey generation algorithm by using reflection matrix in hill cipher and affine hill cipher**" (2016) *International Journal of Pharmacy and Technology*, 8 (4), pp. 22207-22214.
 10. Kumari, V., Chakravarthy, S." **Cooperative privacy game: a novel strategy for preserving privacy in data publishing**" (2016) *Human-centric Computing and Information Sciences*, 6 (1), art. no. 12, . Cited 17 times.
 11. Vasireddy, G.K., Choppa, N.R., Bogi, S., Sailaja, B.B.V." **Chemical speciation of maleic acid complexes with some biologically important metal ions in anionic micellar medium**" (2016) *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 7 (6), pp. 1056-1063.



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Documents

1) Lalitha, R.V.S., Krishna Prasad, P.E.S.N., Rama Reddy, T., Kavitha, K., Srinivas, R., Ravi Kiran, B.

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2-s2.0-85141418887

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2) Ramesh Pandian, R., Kalyani, G., Gokulan, R., Anitha, A.S.

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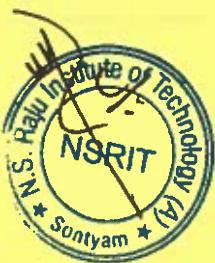
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6) Jayaraju, R.M., Gaddam, K., Ravindiran, G., Palaci, S., Paulraj, M.P., Achuthan, A., Saravanan, P., Muniasamy, S.K.



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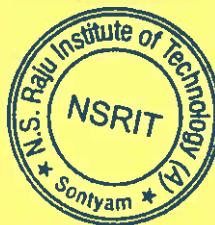
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Nickel base alloy with metal matrix composite zirconium boride with inorganic coatings for high temperature environments

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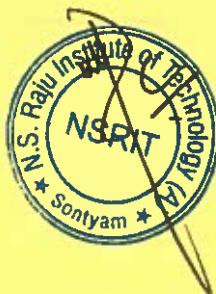
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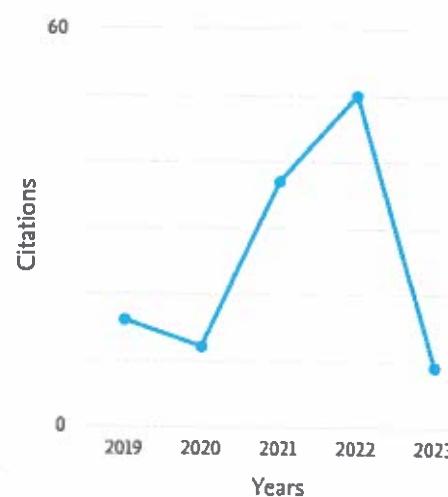
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