

Aditya College of Engineering & Technology

Papers published by Faculty in Journals/Conferences Publications: 2022-23

International Journals (with Impact Factor)	28
International Journals (Scopus)	16
International Journals (WoS)	02
UGC Journals	03
International Conferences (Scopus)	28
National Conferences	01
Total	78

International Journals (With Impact Factor)

1. Chandra, Mahesh, **Nookaraju, Muralasetti**, Sharma, Vijay Kumar, Somasekhar, Ryali, Influence of Vanadium incorporated mesoporous silica on the decolorization of orange G under visible light irradiation, Inorganic and Nano-Metal Chemistry, Vol.52, No.3, Dec 2022, IF-1.51

[IF-1.51, SJR-0.24, H-Index-48]

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85115695374&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=29ed1da41331127aee1090a7bc086587&sot=aff&sdt=sisr&sl=62&s=AF-ID%28%22Aditya+College+of+Engineering+and+Technology%22+60253272%29&ref=%28Inorganic+and+Nano-Metal+Chemistry%29&relpos=0&citeCnt=1&searchTerm=>

2. Vino T, Sivaraju S.S, **Krishna R.V.V.**, Karthikeyan T, Sharma, Yogesh Kumar, Venkatesan K.G.S., Manikandan G. Selvameena R. Markos, Mebratu, Multiclustor Analysis and Design of Hybrid Wireless Sensor Networks Using Solar Energy, International Journal of Photoenergy Open Access Volume 2022, 1110662X

[IF-2.53, SJR-0.4, H-Index-61]

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85140844529&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=bad01089f718d5b6fb5858a82750a728&sot=aff&sdt=sisr&sl=62&s=AF-ID%28%22Aditya+College+of+Engineering+and+Technology%22+60253272%29&ref=%28International+Journal+of+Photoenergy%29&relpos=2&citeCnt=0&searchTerm=>

3. Ch.Komali, Murali N, K Raj Kumar, A Rama Krishna, S Y Mulushoa, D Parajuli, Pnvvl Pramila Rani, A Satheesh, K Chandra Mouli, Y Rama Krishna, Probing the dc electrical resistivity and and magnetic properties of mixed metal oxides Cr³⁺ submitted Mg-Zn ferrites, Chemical Papers(Q2) ISSN 1336-9075

[IF-2.078, SJR-0.35, H-Index-50]

<https://chemicalpapers.com/index.php?id=7&paper=11197>

4. L.Natrayan, S.Kaliappan, **Dr.C.Naga Dheeraj Kumar Reddy**, M.Karthick, N.S.Siva Kumar, Pravin P Patil, S.Sekhar, and Subash Thanappan, Development and characterization of Carbon-based adsorbents derived from Agricultural wastes and their effectiveness in adsorption of heavy metals in waste water, Bioinorganic Chemistry and Applications,Q1, Sep 2022.

[IF -4.724, SJR -0.91, H - Index -40]

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9525768/>

5. P.Rajesh, Francis H Shajin, **B.Rajani**, Deepesh Sharma, An optimal hybrid control scheme to achieve power quality enhancement in micro grid connected system, International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, ISSN 08943370, vol 35, Issue 6.

[IF -1.436, SJR -0.33, H - Index -31]

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85129382918&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=3270feb9d2c88a18e588cf644bf986a3&sot=aff&sdt=sisr&sl=62&s=AF-ID%28%22Aditya+College+of+Engineering+and+Technology%22+60253272%29&ref=%28An+optimal+hybrid+control+scheme+to+achieve+power+quality+enhancement+in+micro+grid+connected+system%29&relpos=0&citeCnt=25&searchTerm=>

6. G. Sanjiv Rao, Armstrong Joseph J.Dhiman, Gaurav, Mohammed, Hussien Sobahi , Degadwala, Sheshang, Bhavani R., Novel Big Data Networking Framework Using Multihoming Optimization for Distributed Stream Computing, Wireless Communications and Mobile Computing, Volume 2022, ISSN 15308669.

[IF-2.47, HINDEX-69, SJR-0.648]

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%28novel+big+data+networking%29&relpos=2&citeCnt=3&searchTerm=

7. G.Murali, **Dr.M.Murugan**, K.Arun Kumar, Dr.P.V.Elumalai, D.Mohanraj, Investigation and process parameter optimization on wire electric discharge machining of Aluminium 6082 Alloy, Advances in Material Science and Engineering,Q2, 2022.
[IF –2.098, SJR –0.37, H – Index -50]
<https://www.hindawi.com/journals/amse/2022/5119056/>
8. T. Vino, S. S. Sivaraju, **R. V. V. Krishna**, T. Karthikeyan, Yogesh kumar Sharma, K. G. S. Venkatesan, G. Manikandan, R. Selvameena and Mebratu Marko, Multiclustor Analysis and Design of Hybrid Wireless Sensor Networks Using Solar Energy, International Journal of Photoenergy, Q2, Dec 2022.
[IF –2.53, SJR .41–0, H – Index -56]
<https://www.hindawi.com/journals/ijp/2022/1164613/>
9. Rajendra Kumar B, Soundarajan S, Sushma V S, C Anand Deva D, **R Anil Kumar**, Kalmesh Singh, Hemanth P, B Rajesh Kumar and Baru D, Enhanced Path Routing with buffer allocation method using coupling node selection algorithm in MANET, Wireless Communications and Mobile Computing, Vol 2022
[IF-2.146 , SJR-0.45 , H-Index-69]
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85135261444&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=6a55e6d2b3945f6d0c0019c15a2beefd&sot=aff&sdt=sir&sl=62&s=AF-ID%28%22Aditya+College+of+Engineering+and+Technology%22+60253272%29&ref=%28Enhanced+Path+Routing+with+buffer+allocation+method+using+coupling+node+selection+algorithm+in+MANET%29&relpos=0&citeCnt=1&searchTerm=>
10. Vijay, Shams Tabrez Siddiqui, Ritu, **R Anil Kumar**, Avinash Kumar, S. Umamaheswara Rao, Narahari D, Y Venkatewara Reddy, Intertwine Connection-based routing path selection for data transmission in mobile cellular networks and wireless sensor networks, Wireless Communications and Mobile computing, vol2022.
[IF-2.146 , SJR-0.45 , H-Index-69]
<https://www.hindawi.com/journals/wcmc/2022/8398128/>
11. Ch.Komali, N.Murali, K.Rajkumar, **Dr.A.Ramakrishna**, Y.Mulushoa S, D.Parajuli, P.N.V.V.L.Pramila Rani, Satheesh A, K.Chandra Mouli, and Y Ramakrishna, Probing the electrical resistivity and magnetic properties of mixed metal oxides Cr³⁺ substituted Mg-Zn ferrites, Chemical Papers,Q2, Sep 2022.
[IF –2.097, SJR –0.37, H – Index -46]
<https://link.springer.com/article/10.1007/s11696-022-02466-9>
12. Hu Zhang, V.Madhusudanan, **Dr.B.S.N.Murthy**, M.N.Srinivas, and Biruk Ambachew Adugna, Fuzzy analysis of SVIRS Disease system with Holling Type-II saturated incidence rate and saturated treatment, Mathematical Problems in Engineering, Q2, Aug 2022.
[IF –1.43, SJR –0.33, H – Index -68]
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13. D.Parajuli, N. Murali, A. Venkateswara Rao, **A.Rama Krishna**, Y Mulushoa S, Structural, dc electrical resistivity and magnetic investigation of Mg, Ni, and Zn substituted Co-Cu nano spinel ferrites, South African Journal of Chemical Engineering, Q1, July 2022.
[IF –5.257, SJR –0.76, H – Index -22]
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14. Suresh J., Babu, B. Vikram, **Krishna, A. Rama**, Reddy P.V.S.S.S.N., Trinadh B., Mohan, B. Sathish, Rao, K. Eswara, Samatha K., Structural, electrical and magnetic studies of Ni_{0.7}Mn_{0.2}Cu_{0.1}Fe_{2-x}Al_xO₄ (x = 0, 0.05, 0.1, 0.15, 0.2 and 0.25) nano-ferrite synthesized by sol-gel technique, Chinese Journal of Physics, Q2, Volume 80, Pages 334 – 348, December 2022.
[IF –2.53, SJR –0.63, H – Index -44]
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15. R.Thilagavathy, P. N. Renjith, **R. V. S. Lalitha**, Mantripragada Yaswanth Bhanu Murthy, Yadala Sucharitha, S. Lakshmi Narayanan, A novel framework paradigm for EMR management cloud system authentication using blockchain security network, Soft Computing, Q2. 14327643
[IF- 3.732, SJR-0.88, H-Index-81]
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16. Efficient adaptive enhanced adaboost based detection of spinal abnormalities by Machine learning approaches **R.V.S. Lalitha** a,* , P.E.S.N. Krishna Prasad b , T. Rama Reddy c , Kayiram Kavitha d , Rayudu Srinivas e , B. Ravi Kiran f, Biomedical Signal Processing and Control, vol 80, Part 2, Nov, 2022
[IF 3.732, SJR-0.88, H-Index-81]
<https://www.sciencedirect.com/science/article/abs/pii/S1746809422008217>

17. Chandra, Mahesh, **Nookaraju, Muralasetti**, Sharma, Vijay Kumar, Somasekhar, Ryali, Influence of Vanadium incorporated mesoporous silica on the decolorization of orange G under visible light irradiation, Inorganic and Nano-Metal Chemistry, Q4, Vol.52, No.3, Dec 2022,
[IF –1.51, SJR –0.24, H – Index -45]
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18. Suryanarayana B., Ramanjaneyulu K., **Raghavendra, Vemuri**, Murali N., Parajuli D.d;Yonatan Mulushoa S., Choppara, Praveen, Rao, P. Anantha, Ramakrishna Y., Chandramouli K., Effect of Sm³⁺ substitution on dc electrical resistivity and magnetic properties of Ni–Co ferrites, Journal of the Indian Chemical Society, Q4, Volume 99, Issue 8, August 2022.

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19. Rambabu, Ch, Uppugalla, Susmitha, Verma, Ritesh, **Ramakrishna A.** Murali N., Shivanarayana, Ch., Parajuli D., Suryanarayana B, Mujasam Batoo, Khalid, Hussain, Sajjadk, Lakshmi Narayana P.V., Effect of La³⁺ and Ni²⁺ substitution on Sr_{1-x}La_xFe_{12-y}Ni_yO₁₉ hexaferrite structural, magnetic, and dielectric properties, Materials Science and Engineering B: Solid-State Materials for Advanced Technology, Volume 289, March 2023. [IF-3.4, HINDEX-129, SJR-0.61]

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20. Daruvuri, Hanumantha Rao, Murali N., Madhu M.,**Ramakrishna A.**, Parajuli D., Dasari M.P., Correction: Effects of Zn²⁺ substitution on the structural, morphological, DC electrical resistivity, permeability and magnetic properties of Co_{0.5}Cu_{0.5-x}Zn_xFe₂O₄ nanoferrite, Applied Physics A: Materials Science and Processing Open Access Volume 129, Issue 2 February 2023.

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21. Nagasree K.L.V., Suryanarayana B., **Raghavendra, Vemuri**, Uppugalla, Susmitha, Wegayehu Mammo, Tulu, Kavyasri D., Murali N., Raju M.K., Parajuli D., Samatha K. Influence of Mg²⁺ and Ce³⁺ substituted on synthesis, structural, morphological, electrical, and magnetic properties of cobalt nano ferrites (2023) Inorganic Chemistry Communications, 149 110405.

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22. Margarette S.J., Babu, K. Vijaya, **Raghavendra V.**, Samatha K., Veeraiah V., Impedance, modulus and electrochemical studies of $\text{LiMn}_{2-x-y}\text{Ce}_x\text{Cu}_y\text{O}_4$ ($0.01 \leq x \leq 0.05$ and $y = x$) cathode materials, *Ferroelectrics*, Volume 603, Issue 1, Pages 267 – 278 2023.

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23. Vijaya Bharathi, Rentapalli, Raju M.K, Uppugalla, Susmitha, **Raghavendra, Vemuri**, Parajuli D, Suryanarayana B, Yonatan Mulushoa S, Murali N, Samatha K, Cu^{2+} substituted Mg-Co ferrite has improved dc electrical resistivity and magnetic properties, *Inorganic Chemistry Communications*, Volume 149, March 2023.

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24. R.Thilagavathy, P. N. Renjith, **R. V. S. Lalitha**, Mantripragada Yaswanth Bhanu Murthy, Yadala Sucharitha, S. Lakshmi Narayanan, A novel framework paradigm for EMR management cloud system authentication using blockchain security network, *Soft Computing*, Q2. 14327643

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25. Parajuli D., Uppugalla, Susmitha, Murali N., **Ramakrishna A.**, Suryanarayana B., Samatha K. Synthesis and characterization MXene-Ferrite nanocomposites and its application for dyeing and shielding, *Inorganic Chemistry Communications*, Volume 148, February 2023.

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International Journals (WOS-ESCI)

29. **Dr. G. Sanjiv Rao**, Jara Muda Rao, **Ch.S.V.V.S.N.Murty**, **Dr.R.V.V.Krishna**, Development of cloud selection supporting model for green information and communication technology services, International Journal of Pervasive Computing and Communications, Q2, 21-July-2022, 1742-7371.

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30. Kennedy C. Onyelowe, **Tammineni Gnananandarao**, Ahmed M. Ebid *, Hisham A. Mahdi, M. Razzaghian Ghadikolaee, Mohammed Al-Ajamee, Evaluating the Compressive Strength of Recycled Aggregate Concrete Using Novel Artificial Neural Network, Civil

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International Journals (Scopus)

31. **Sukhada Bhingarkar, S. Thanga Revathi, Chandra Sekhar Kolli & Hiren K. Mewada**, An effective optimization enabled deep learning based Malicious behavior detection in cloud computing, International Journal of Intelligent Robotics and Applications, Vol 6, Issue 3 June 2022. 2366-5971.

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34. **Chakka S. V. V. S. N. Murty**, G. P. Saradhi Varma and Ch. Satyanarayana, Content-Based Collaborative Filtering with Hierarchical Agglomerative Clustering Using User/ Item based Ratings, Journal of Interconnection Networks, Vol. 22, No. Supp01, 2141026 (2022)

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35. Onyelowe, Kennedy C., **Gnananandarao, Tammineni**, Ebid, Ahmed M., Estimation of the erodibility of treated unsaturated lateritic soil using support vector machine-polynomial and -radial basis function and random forest regression techniques, Cleaner Materials, Volume 3, March 2022, ISSN 27723976

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36. Stanley Ebenezer Nitla, B. Vinod, **Ramakrishna Angajala**, Puli Danaiah & Satya Jagadesh Hanumanthu Energy dissipation behavior of Bamboo leaf ash reinforced Aluminum metal matrix composites, Institution of Engineers(India):Series D, June 2022.

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37. Sridhar Reddy A., **Satish Chembuly V.V.M.J.** Kesava Rao V.V.S., Collision-free Inverse Kinematics of Redundant Manipulator for Agricultural Applications through Optimization

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