

List of Publications in AY 2023-24

Name of the Faculty	Number of Publications
Dr. C Lavanya	6
Dr V Mallikarjun Reddy	5
Dr. Mohammad Hussain	2
Dr GVV Satyanarayana	3
Dr. T Srinivas	1
Dr O.S.D Hima Bindu	4
Mr T Srikanth	2
Mr. S Venkata charyulu	3
Mr. S.Prasad Raju	2
Mr. Y. Kamala Raj	1
Ms. K Hemalatha	7
Mr V Naresh Kumar Varma	-
Mr A Vittalaiah	1
Mr C Vivek Kumar	7
Mr Rathod Ravinder	1
Mr A Prakash	5
Ms I Chandana	-
Mrs G Swetha	2
Mr P V V S S S R Krishna	4
Ms. P.S.R.P.SSS Vardhani	-

ESCI JOURNALS:

1. C Vivek Kumar, K Sargunan, JSSK Vasa, V P Jesuraj, A Punitha, R Karthikayen, “Applying ANN-PSO algorithm to maximize the compressive strength and split tensile strength of blended self-curing concrete on the impact of supplementary cementitious materials”, 13th ICMPC, International Journal of Interactive Design and Manufacturing (IJIDeM), (ESCI/SCOPUS) <https://doi.org/10.1007/s12008-022-00907-z>

SCOPUS JOURNALS:

2. Shivarajappa, L. Surinaidu, Pankaj Kumar Gupta, S. Ahmed, Mohd. Hussain, M.J. Nandan, (2023) “Impact of urban wastewater reuse for irrigation on hydro-agro-

- ecological systems and human health risks: A case study from Musi river basin, South India” Hydro Research, ISSN: 2589-7578, 6, pp.122-129
<https://doi.org/10.1016/j.hydr.2023.03.001>
3. Shashikanth Kulkarni, T Anurag, Mohammed Hussain, S.V.S.N.D.L Prasanna & Vittal Hari (2023) “Comparison of Multi objective and single objective calibration for SWAT model : A case study on Musi River Basin India” ISH journal of Hydraulic Engineering , 29(5), pp. 714-721
<https://doi.org/10.1080/09715010.2022.2120369>
 4. C Vivek Kumar et al., Numerical prediction of California bearing ratio of expansive subgrade soil stabilized with bottom ash and geotextile, Indian J of Environmental protection, Vol 42, No.13 pp. 1454-1462 January 2023
 5. C Vivek Kumar et al., Enhancement of California bearing ratio of expansive soil subgrade using bottom ash and geosynthetics, Indian J of Environmental protection, Vol 42, No.13 pp. 1501-1508 January 2023
 6. Janaki V., Madhusudhan Reddy M., Ravi Kumar K., Sharath Chandra B. and Hima Bindu O.S.D (2024) “Remote Sensing based Early Warning Systems for Detection and Assessment of Landslides: A Case Study of Himachal Pradesh, India”, Disaster Advances 17(3), pp.48-60, <https://doi.org/10.25303/173da048060>

SCOPUS INDEXED CONFERENCE PROCEEDINGS:

7. O. S. D. Hima Bindu; R. Ramya Swetha, Residual chlorine analysis in water distribution networks with intermittent and continuous system of water supply, AIP Conference Proceedings 2759, 040008 (2023)
<https://doi.org/10.1063/5.0144640>
8. V Srinivasa Reddy , S Shrihari, P Uma, J Pavan Kalyan, Treated Recycled Coarse Aggregate Concrete: A New Mixture Proportioning Method based on packing densities, Materials Today Proceedings ,Elsevier (Accepted)
9. S Vasanthi, S Shrihari, V Srinivasa Reddy, P S R P S S S Vardhani, S P Raju, Stress-Strain Behaviour of Concrete made with Treated Recycled Coarse Aggregate, Springer Nature (Accepted)

RICE 2023 paper (Accepted for publication)

10. Design of concrete beam reinforced with GFRP bars as per ACI codal provisions
R Venkata Suraj Reddy , V Srinivasa Reddy, M V Seshagiri Rao, S Shrihari
 11. Stress-strain behaviour of unconfined and confined hybrid glass/steel fibre self-compacting concrete
A Rama Krishna Rao, N Ruben¹, V Srinivasa Reddy, Y Rama Gnanendra Sai, M V Seshagiri Rao
 12. Performance of hybrid glass/steel fibre self-compacting concrete beams under static flexural loading
V Srinivasa Reddy¹, G Santhosh¹, M Sai Neeraj¹, E Manish Goud¹, C Rajashekar²
 13. Analysis of Tuned Mass Damper Effect on Vibration Control over Tall Building in Seismic Prone Areas – A state-of-art review
Cheruku Sandya ¹, C Vivek Kumar¹, and T Srinivas ¹
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14. Study on Amplitude Reduction Factor of Fly ash Infilled Barrier Using Vibration Sensor
C Lavanya¹², C Dhanya¹, M Dayana¹ and T Chandana Sree¹
15. Planning, Scheduling & Allocation of Resources for Short-Span Bridge using Primavera P6
Bandi Sri Ram Gopal ¹³, V Srinivasa Reddy¹, M V Seshagri Rao², Thirumala Sujatha³
16. Structural behaviour of Triple blended high-performance concrete
Repati Mohan Babu ¹⁴, G V V Satyanarayana¹, and Vivek Kumar C¹
17. Experimental Studies on Flexural Action of RC beams made with Hybrid Rebars - A Brief Review
S.K.Sai Chandra^{1}, K Hemalatha¹, V Mallikarjuna Reddy¹, Vandanapu Swamy Nadh²*
18. Monitoring workability properties of Self-Compacting Concrete (SCC) using Internet of Things (IoT)
Mittapalli Naga Ashwini ¹⁵ and V Mallikarjuna Reddy ^{2}*
19. Studies on Workability and Compressive Strength of Ternary Blended Concrete
Pammi Divya ^{1, a)}, T.Srinivas^{2, b)} and Tummala Mahathi ³⁾
20. Mix proportioning of M25 grade concrete by replacing normal aggregate with light weight aggregate (Pumice)
Lalitha Varikuppala¹, G V V Satyanarayana¹
21. Studies of Polypropylene Fibres effect on Strength and Workability of Slag based Geopolymer Concrete
Latha sree Kashapaga^{1, a)}, Tummala Srinivas^{2, b)} and T.Hyndhavi Reddy³⁾
22. Seismic analysis of High-rise Building with Tuned Mass Damper and Core Column
Mariyala Vaishnavi ¹⁶, G V V Satyanarayana¹, and V Naresh Kumar Varma ¹
23. Analysis and design of reinforced concrete silo by conventional method
Dumma Umesh Kumar¹, and V.Mallikarjuna Reddy¹
24. Stabilisation of soil using Rice Husk Ash(RHA) and Cement
S. Venkat Charyulu, C. Akhila², Ch. Vineetha³, A. Akanksha⁴,
25. Review on flexural performance of reinforced concrete beams designed with hybrid bars
M.Pranav^{1}, K Hemalatha¹, P.S.R.P.S.S.SVardhani¹, Vandanapu Swamy Nadh²*
26. Optimization of solids composition in ferrock mortar
Shaik Feroz¹, P V V S S R Krishna¹, G.V.V. Satyanarayana¹, V Srinivasa Reddy
27. Strength And Durability Properties Of Quaternary Blended High Strength Concrete
Gongalla Nitish kumar ¹, G V V Satyanarayana²
28. Litracon An Alternative Source For Conventional Concrete
Jetti sreevani¹, Tellam Roshni², Erram saipriya³, PVVSSR Krishna⁴
29. Lateral response of pile due to combined load under free and fixed conditions
Chiluka Rahul¹, Polisetty Saahas¹, V Srinivasa Reddy¹, G Jyothi Kumari²
30. Concrete Mix Design Using Java Eclipse IDE
V.SP Raju¹, Aitha Sai Teja², D.Ragnesh² and M Ajay Sagar²
31. Assessment of Ground Water Quality Using Water Quality Index and GIS
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- OSD Hima Bindu*¹⁷, *Velishala Gayathri*², *Thallapally Swaranya*², and *Jangiti Vyshnavi*²
32. Landslide Modelling and Susceptibility Assessment by Soil Moisture Sensors at Katteri Watershed in Southern India
*A N Swaminathan*¹⁸, *Batchu Ramanjaneyalu*², *K Dhanasekar*³, *S Robert Ravi S*⁴ and *Vivek Kumar C*⁵
33. Numerical Analysis on Reinforcement ratio of RC beams using FRP and Steel Rebars
*K Hemalatha*¹⁹, *Dr D Ravi Prasad*²
34. P Magudeaswaran, Vivek Kumar C, K Vamsi Krishna Akella Nagasaibaba, Rathod Ravinder, (2023) Investigational studies on the impact of Supplementary Cementitious Materials (SCM) for identifying the strength and durability characteristics in self-curing concrete, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2023.03.161>
35. Kaushal Kumar, Shivam Saraswat, Kriti Sharma, Rishabh Arora, Suman, Monika Khatkar, Saurav Dixit, K. Hemalatha, Manish Gupta, and Thangamani K. "Influence of Utilization of Fly Ash as Sand Replacement Agent in Sustainable Flexible Pavement" 15th International Conference on Materials Processing and Characterization ICMPC, E3S Web Conf., 430, 01174 (2023) <https://doi.org/10.1051/e3sconf/202343001174>
36. Sarah Khan, Quamrul Hassan, Kaushal Kumar, Saurav Dixit, Kshama Sharma, Vivek Kumar C, Navdeep Dhaliwal, Bhukya Madhu "Modelling the Impact of Road Dust on Air Pollution: A Sustainable System Dynamics Approach" E3S Web Conf., 430, 01176 (2023) <https://doi.org/10.1051/e3sconf/202343001176>
37. Kaushal Kumar, Jarnail Singh, Rishabh Arora, Jyoti Chaudhary, Anjali Gautam, Saurav Dixit, Vivek Kumar C, Sorabh Lakhnupal and Shiva Shankar "Influence of Additive for Optimize and Sustainable Fly Ash Suspension" E3S Web Conf., 430, 01175 (2023) <https://doi.org/10.1051/e3sconf/202343001175>
38. Md zia ul haq, Hemant Sood, Rajesh kumar, Sanjeev Kumar Joshi, V Mallikarjuna Reddy, Manish Gupta, Penta Samyuktha, ,Kaushal Kumar "Sustainable Infrastructure Solutions: Advancing Geopolymer Bricks via Eco-Polymerization of Plastic Waste" E3S Web Conf., 430, 01203 (2023) <https://doi.org/10.1051/e3sconf/202343001203>
39. V. Mallikarjuna Reddy, Dumma.Umesh Kumar, Saurabh Aggarwal and G.Venkata Sai Prasad, "Analysis and design of silos by the post-tensioned method" E3S Web Conf., 430, 01018 (2023) <https://doi.org/10.1051/e3sconf/202343001018>
40. Md zia ul haq1; Dr. Hemant Sood, Dr. Rajesh kumar, Vishal Sharma, Anuj Kumar, T. Srinivas, Dr. Monica Gulati, K. Hima Bindu, Kaushal Kumar "Eco-Friendly Building Material Innovation: Geopolymer Bricks from Repurposed Plastic Waste" E3S Web Conf., 430, 01201 (2023) <https://doi.org/10.1051/e3sconf/202343001201>
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41. Md. Zia ul Haq, Hemant Sood, Rajesh kumar, Saurav Dixit, T. Srinivas, Suniana Ahuja, B lingam, Kaushal Kumar “Circular Economy Enabler: Enhancing High-Performance Bricks through Geopolymerization of Plastic Waste” E3S Web Conf., 430, 01202 (2023) <https://doi.org/10.1051/e3sconf/202343001202>
42. Sai Krishna Munipally, Akula Prakash and Dr S Kapilan, (2023) “Experimental Investigation on Strength Characteristics of Concrete by Partial Replacement of Cement with Sodium Silicate” Key Engineering Materials, ISSN: 1662-9795, Vol. 961, pp 77-84 doi:10.4028/p-BKG5Wy
43. Vivek Kumar C., P. Suresh Chandra Babu, M. Sheik Mohamed Anas, V. Naresh Kumar Varma and Chelpuri Hemalatha (2023) “Assessment of Strength and Durability Parameters of Geopolymer Concrete Blocks with Different Sand Replacement Levels” Key Engineering Materials, ISSN: 1662-9795, Vol. 961, pp 85-93 doi:10.4028/p-YhLWD0
44. Akula Prakash, Sai Krishna Munipally and P. A. Edwin Fernando (2023) “Prediction of Concrete Constituents’ Behavior Using Internet of Things (IoT)” Key Engineering Materials, ISSN: 1662-9795, Vol. 961, pp 161-170 doi:10.4028/p-2bmTVE
45. Rishabh Arora, Kaushal kumar, Saurav Dixit, Rupesh Kumar Tipu, Padmini Kaul, Swati Chauhan, Y. Kamala Raju, Ginni Nijhawan and P. Haindavi “Parametric investigation of coconut shells as partial replacement of coarse aggregates in sustainable concrete” E3S Web Conf., 430, 01180 (2023) <https://doi.org/10.1051/e3sconf/202343001180>
46. Md. Zia ul Haq, Hemant Sood, Rajesh kumar, Prashant Chaudhary, C Lavanya, Navdeep Dhaliwal, Sathish Singarapu, Kaushal Kumar “Waste Upcycling in Construction: Geopolymer Bricks at the Vanguard of Polymer Waste Renaissance” E3S Web Conf., 430, 01205 (2023) <https://doi.org/10.1051/e3sconf/202343001205>
47. S. Robert Ravi A.N. Swaminathan Vivek Kumar Chandra Kumar “Evaluation of Porosity and Permeability for High Strength Concrete Using Rice Husk Ash and Metakaolin as partial re-placement to Cement” Indian Journal of Environmental Protection 44,7,:622-629 (2024)
48. M N Narsaiah, Sudugu Nikhil Reddy, Eppalapalli Kavaya, Uppu Pavani, BadhaShivasai, C Lavanya, Namita Kaur “Prevention Of Train Collision Using GPS Based Tracking System” MATEC Web of Conferences ICMED 2024 Web of Science, 392, 01054 <https://doi.org/10.1051/matecconf/202439201054>
49. Chandra Prakash, Sarikonda Spoorthi, Kalavadiya Pari, Thotakura Jayanth and Velishala Naveen, C Lavanya, Lalit Bhalla “Design and Prototype Development of Trash Collector Boat” MATEC Web of Conferences ICMED 2024 Web of Science, 392, 01055 (2024) <https://doi.org/10.1051/matecconf/202439201055>
50. Aleem Mohammad , Thanmai Gaddami, Panduranga reddy Sarikonda, Pavan kumar kammar Muneshwari Aluganur, and satish Somarapu, V Mallikarjuna Reddy “Automated Traffic Density Optimization System” MATEC Web of Conferences ICMED 2024 Web of Science, 392, 01056 (2024) <https://doi.org/10.1051/matecconf/202439201056>

51. Janaki V., Madhusudhan Reddy M., Ravi Kumar K., Sharath Chandra B. and Hima Bindu O.S.D (2024) "Remote Sensing based Early Warning Systems for Detection and Assessment of Landslides: A Case Study of Himachal Pradesh, India", Disaster Advances 17(3), pp.48-60, <https://doi.org/10.25303/173da048060>
52. Angotu saida, Jorrigala Rani Sowmya, Guttala Poorna Chandra Laxman, G. Swetha, Vikas Verma "Enhanced reservoir flood prevention by using leveraging sensor technology" MATEC Web of Conferences ICMED 2024 Web of Science, 392, 01057 (2024) <https://doi.org/10.1051/mateconf/202439201057>
53. Suresh Aaluri, Keerthi Priyadarshini Pulibandla, Lalisetti Ganesh, Vivek Kumar C and Archana Sehgal "An empirical study on examining the influence of mutual fund investment growth on equity market performance" MATEC Web of Conferences ICMED 2024 Web of Science, 392, 01047 (2024) <https://doi.org/10.1051/mateconf/202439201047>
54. Lalisetti Ganesh, Sridevi Kusuma, D. Radhakumari, P.V.V.S.S.R. Krishna and Gaurav Pushkarna "Financing a Greener Future: Analyzing the Integral Role of Green Finance in Environmental Protection" BNBB MATEC Web of Conferences ICMED 2024 Web of Science, 392, 01046 (2024) <https://doi.org/10.1051/mateconf/202439201046>
55. V. Mallikarjuna Reddy, Prashanth Atkapuram and Vivek Kumar C "Performance Characteristics of Silica fume based concrete made with Graphene Oxide" ICSMEE'24 E3S Web Conf., 529, 01005 (2024) <https://doi.org/10.1051/e3sconf/202452901005>
56. Abhishek Saxena, Vivek Kumar C, Swathi B, Atul Singla, Ashwani Kumar, Q. Mohammad and Preeti Maan "Effect of replacement of natural sand by manufactured sand on the self-compacting concrete" ICSMEE'24 E3S Web Conf., 529, 01012 (2024) <https://doi.org/10.1051/e3sconf/202452901012>