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Publication Details

Journal Publication 2026

1. Ujwal, M. S., Sanjay Shekar, N. C., Prathap, A., Ranjan Gowda, C. B., Vibhashree, N., Karthik, M., & Shiva Kumar, G. (2026). Influence of soft storeys, facade components, and shear walls on the seismic behavior of high-rise RC buildings. Asian Journal of Civil Engineering, 1-25, https://doi.org/10.1007/s42107-026-01662-2

2. Vengadeshwari, R. Shanthi, NC Sanjay Shekar, G. Shiva Kumar, M. S. Ujwal, Raghavendra Mahesh, V. S. Annapoorna, and Poornachandra Pandit. "Experimental, Statistical, and Machine Learning Assessment of Basalt–Steel Hybrid Fiber Reinforced Concrete." Results in Materials (2026): 100953, https://doi.org/10.1016/j.rinma.2026.100953

3. Shiva Kumar, G., Sanjay Shekar, N. C., Ujwal, M. S., Karthik, M., Sunil, S., & Pandit, P. (2026). A Data-Driven Framework for Predicting CDI and TDI from Mix Design Parameters using Interpretable Machine Learning. Transportation Engineering, 24. https://doi.org/10.1016/j.treng.2026.100437

4. Ujwal, M. S., Sanjay Shekar, N. C., Vibhashree, Sridhar, H. N., Mahesh, R., Sahana, K., & Shiva Kumar, G. (2026). Integrated seismic and slope stability evaluation of reinforced concrete buildings constructed on sloping ground. Bulletin of Earthquake Engineering, 1-33, https://doi.org/10.1007/s10518-026-02555-0

5. Nanjundas, Hemalatha Hullahalli, Vidyashree Mandya Govindaswamy, and Abhilash Neraluru Ramaswamy. "Dual treatment of real silk textile wastewater using batch electrochemical coagulation (ECC) and membrane filtration for clean water reclamation." Journal of Water and Environmental Nanotechnology 11.2 (2026): 162-171. http://doi.org/10.22090/jwent.2025.2067360.1949

6. Shashikumara, S. R., Apoorva, S., Abhishek, R., Bayapu Reddy, M., & Kiran, K. S. (2026). Study on a data driven intelligent hybrid model for multi-output prediction of steel fibre reinforced concrete strength parameters. Materials Research Express, 13(9), 095201. https://doi.org/10.1088/2053-1591/ae655f

7. Akki, Basavaraj, and Ravishankar KVR. "Pedestrian safety: Understanding the interplay of awareness, attitudes, and violation behaviour." Journal of Road Safety 37.1 (2026): 64-74. https://doi.org/10.33492/JRS-D-26-2-2732313

8. Rashmi, S. M., Razak, B. A., Shivaprasad, K. N., & Yang, H. M. (2026). Engineered cementitious composites for a low-carbon future: A review of performance and sustainability. Next Materials, 13, 102879. http://doi.org/10.1016/j.nxmate.2026.102879

9. SHINDANAPURA MADHU, Rashmi, et al. "TOWARDS ELECTRIC VEHICLES-COMPATIBLE HIGHWAYS: ENGINEERING SYNERGIES BETWEEN ELECTRIC VEHICLE TECHNOLOGY AND ROAD INFRASTRUCTURE." Transport Problems: an International Scientific Journal 21.3 (2026): 17. https://doi.org/10.20858/tp.2026.21.3.02

Journal Publication 2025

1. Harish, T.S, Dr. Santhosh B S, "Nanomaterials and Their Impact on Cement Paste Characteristics: A Review", Recent Advances in Infrastructure Development and Management - Volume 2, Lecture Notes in Civil Engineering, vol 566. Springer, July 2025, https://doi.org/10.1007/978-981-96-1558-2_24**,** ISBN 978-981-96-1557-5.
2. R. Shanthi Vengadeshwari, M. S. Ujwal, N. C. Sanjay Shekar, T. N. Akash, K. Sahana, G. Shiva Kumar , "Seismic and wind load assessment of multistory RC structures with integrated machine learning-based prediction models" Asian Journal of Civil Engineering, ISSN No. 15630854, 2522011X Volume No. 26. Issue No. 7, July 2025, https://doi.org/10.1007/s42107-025-01465-x.

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1. Dr Abdul Razak B. H, Basavaraj Akki, Rashmi S. M, "Evaluation of Bamboo Leaf Ash as Supplementary Cementitious Material in Concrete", i-manager's Journal on Structural Engineering, July 2024, https://doi.org/10.26634/jste.13.1.21327
2. Chamaraja, N.A., Khan, M.M., Hemalatha, H.N. *et al, "*Ca-doped ZnO nanoparticlesfor MB dye degradation and adsorptive removal of tinidazole" *Environ Monit Assess* 196, 710 (2024). https://doi.org/10.1007/s10661-024-12843-4, July 2024.
3. K. A. Impa, K. C. Sachin,R. Abhishek, Gopal Bharamappa Bekkeri, Kiran K. Shetty, S. R. Shashikumara, "Experimentation on triple-blended concrete with manufactured sand replaced by granulated blast furnace slag for fine aggregates" Innovative Infrastructure Solutions, Volume 9, article number 101, March 2024, https://doi.org/10.1007/s41062-024-01409-5.

Journal Publication 2023

1. S.R. Shashikumara , N. Pramukh , R. Abhishek , V.K. Nagaraj, “Experimental study on the influence of polypropylene and steel fiber on flexural behaviours of high strength concrete beams”, Materialstoday Proceedings, Vol. 88, Part 1, 2022-23.
2. Mr. Basavaraj Akki, Ms. Rashmi S. M., Mr. Pramukh N, “ROAD SAFETY MEASURES IN URBAN SCENARIO - A CASE STUDY IN BENGALURU” Vol. 13 No. , i-manager’s Journal on Civil Engineering, January - March 2023.
3. Rashmi S M, “Study on comparison of life cycle cost between white topping and bituminuos overlays” International Journal for research in applied science and engineering Technology (IJRASET), Volume 11 Issue 1 ISSN:2321-9653, January 2023
4. Dr Santhosh B S, Concrete Rheology: Unveiling the secrets of Concrete” Journal of NBM Media International Concrete Construction, August 2023.

Journal Publication 2022

1. Abhishek R, R Ramesha Nayaka, “Overview on evaluation of the mechanical, durability properties and microstructure of Nano-Silica assimilated cement composites (Nano-SAC)” Volume 58, Part 4, 2022, Pages 1431-1435, Materials Today: Proceedings, Science Direct, May-2022.
2. Dr Sanjay Shekar N C and Dr Hemalatha H N, “Real Silk textile wastewater treatment using 2-D Electrochemical coagulation and estimation of electrical energy consumption”, Brazilian Journal of Chemical Engineering, Springer publication, April 2022.
3. Dr Sanjay Shekar N C and B C Kumar Raju, “Modeling bulk surface resitance and evaluation of evapotranspiration using remote sensing and MATLAB”, Journal of water and climate change, IWA Publishing, April-2022.

Conference Publication 2022

1. S. R. Shashikumara, R. Abhishek, S. Vivek S, “Statistical Analysis on the Influence of Recycled Concrete Aggregate on the Concrete Properties” Proceedings of Recent advances in Civil Engineering, Part of the Lecture Notes in Civil Engineering book series (LNCE,volume 256), June 2022.

Journal Publication 2021

1. Dakshayini R S, Impa K A, Sachin K C, Abhishek R "Evaluation of Concrete with Iron Ore Waste as replacement for Fine Aggregate" Gradiva review Journal, 0363-8057, 7(8), 386-391, September 2021.
2. Gopal B Bekkeri, Sachin K C, Chetan K M, Abhishek R "Studies On Partial Replacement Of Fine Aggregates By Copper Slag In Concrete", International Research Journal of Engineering and Technology, 2395-0056, 8(8), 121-124, August 2021.
3. Vivek S., Abdul Razak. B.H., Nikhil Khatavakar, "Study on Strength Behaviour of Concrete Blocks with Filled up Poly Ethylene Terephthalate (PET) Bottles" Ecology, Environment and Conservation, Vol.27, pp. S143-S149, ISSN:0971–765X, Novemeber 2021.
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5. Dr Sanjay Shekar N C and Vinay D C "Performance of HEC-HMS and SWAT to simulate streamflow in the sub-humid tropical Hemavathi channel" Journal of water and clmate change, August 2021.
6. M N Harshitha and S Vivek "Affordable roofing system with sqaure and rectangle dome panels" Geintec Gestao, Inovacao e Technologies, ISSN 2237-0722, Vol 11 No 4 , pg no 2941-2951, July 2021.
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8. Dr Sanjay Shekar N C and Lakshman Nandagiri. "Penman-Monteith Evapotranpiration model with Bulk surface conductance derived from remotely sensed spatial contectual information", International Journal of Remote Sensing, July 2021, doi.org/10.1080/01431161.2019.1668074.
9. Dr Sanjay Shekar N. C. "Performances comparison of Penman-Monteith and Priestley-Taylor models using MOD16A2 Remote sensing product", Pure and applied Geophysics Journal, Springer publications, Impact factor- 1.697,2021
10. Sanjay Shekar N. C. and Hemalatha H.N "Land use and Land Cover Characteristics using Bhuvan and MODIS Satellite Data." International Journal of Recent Technology and Engineering (IJRET), ISSN: 2277-3878, 9 (5), 289-294,2021.

Conference Publication 2021

1. Pramukh N “Role of Shape and Size of Aggregates in Marshall Properties of HMA”, published in proceedings of National Conference on Advances in sustainable construction materials (ASCM), 2021.

Journal Publication 2020

1. Abdul Razak B.H., Gowri Ramesh, Impana P, Sharath K R, Yadhunandan B, “Influence of GGBS on Mechanical Properties of Low Traffic Concrete Paver Blocks”, International Journal for Research in Applied Science & Engineering Technology, Vol. 8(2), 2020, pp 2914-2920. DOI: http://doi.org/10.22214/ijraset.2020.5490
2. Shashi Kumara S. R., B.C. Udayashankar, D.L. Venkatesh Babu, Pre-peak Flexural Performance Evaluation of Fiber Reinforced Concrete Beams, International Journal of Advanced Science and Technology, Vol 29, No. 8, 2020, pp 1980-1985, http://sersc.org/journals/index.php/IJAST/article/view/23286.
3. Rashmi SM, K. Bharathreddy1 , T. Bhanuteja , G. C. Dhanush Paper titled “Traffic Analysis and Parking Survey”is published in IJRESM Volume 3,Issue 8, May 2020.
4. Rashmi SM, R. Suhas , D. Ravi Kiran , P. S. Darshan, A. Tharun Paper titled “Strengthening of weak subgrade using Geo nailing technique”is published in IJRESM Volume 3,Issue 8, May 2020
5. Dakshayini R S, Sachin K C and Abhishek R “Effect of Partial Replacement of Construction Industry Waste Materials in Concrete”, International Research Journal of Engineering and Technology (IRJET), Vol. 7, Nov 2020.
6. Harshitha M N, Deviprasad Y, Shashank S M, Achyut Joshi, Mallikarjun S M, “Study on Effect of recycled plastic waste as replacement to the Fine Aggregate”, International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume-8 Issue-8, December, 2020
7. Pramukh N, R L Prajwal, B M Darshan, S Sunil Kumar, C L Santosh paper titled “Study on Utilization of Plastic Waste in Construction of Flexible Pavement” published in International Journal of Research in Engineering, Science and Management, 2581-5792, Volume-03, Issue-07. July-2020.
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2. Abhishek R., Shashi Kumara S.R., "Factors Influencing Productivity of Construction Labour – A Survey", Proceeding of International Conference (Virtual) on Civil EngineeringTrends and Challenges for Sustainability (CTCS 2020) during, December 22nd and 23rd, 2020, organized by the Department of Civil Engineering, N.M.A.M Institute of Technology, Nitte, Karkala.
3. Rashmi S.M, Basavaraj Akki "Performance Studies on white topping layers over flexible pavement", IOP Conf. Series: Materials Science and Engineering 981 (2020) 032076 doi:10.1088/1757-899X/981/3/032076
4. Rashmi S M, Dr Santhosh B S, "Study on comparison of life cycle cost between white topping and bituminous overlays" Proceeding of International Conference (Virtual) on Civil EngineeringTrends and Challenges for Sustainability (CTCS 2020) during, December 22nd and 23rd, 2020, organized by the Department of Civil Engineering, N.M.A.M Institute of Technology, Nitte, Karkala.
5. Apoorva S, Abhilash D T, Ajay R, "Comprehensive analysis of Outrigger system for high rise structures subjected to wind and earthquake loadings" Proceeding of International Conference (Virtual) on Civil EngineeringTrends and Challenges for Sustainability (CTCS 2020) during, December 22nd and 23rd, 2020, organized by the Department of Civil Engineering, N.M.A.M Institute of Technology, Nitte, Karkala

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1. Santhosh B S, “Determining the Rheological properties of Fresh Concrete using Concrete Shear Box”, Published in “International Journal of Engineering and Advanced Technology (IJEAT)”, ISSN: 2249 8958, Volume No.9, Issue No.1, October 2019, pp 351-360.
2. Santhosh B S, Madhukar B R, Priyanka B K, Meghana K C, Paper titled, “Design of Total Water Management Solutions to JSSATE Campus”, Published in “International Journal of Advance Research and Innovative Ideas in Education”, ISSN 2395 4396, Volume 5, Issue 03, June 2019 pp 1660-1669.
3. Santhosh B S, Chitra K R, Deepthi K P Prabhavati, Santhosha kumar, Paper titled, “Effect of Sea Water on Fresh and Hardened Properties of Concrete”, Published in “Journal of Emerging Technologies and Innovative Research”, ISSN 2349 5162, Volume 6, Issue 5, May 2019, pp 178-183.
4. Sanjay Shekar N. C. and Lakshman Nandagiri (2019). “Penman-Monteith Evapotranspiration Model with Bulk Surface Conductance Derived from Remotely Sensed Spatial Contextual Information.” International Journal of Remote Sensing (IJRS), ISSN: 1366-5901, 41 (4), 1486-1511.
5. Hemalatha H. N, Mahesh S, Nanjundaswamy S, Sahana M “Hybrid dual treatment of real textile wastewater using electrochemical treatment (ECT) and membrane bioreactor (MBR)”, Desalination and Water Treatment, Indexed in Web of Science, Vol. 140, 2019, pp 50–57.
6. Hemalatha H. N, Druthi Prasad, Shambhavi B. M, Abhinandan T. C, Siddarth, “Qualitative Analysis and Treatment of Lake Water”, IOSR Journal of Applied Chemistry (IOSR-JAC), ISSN: 2278-1684, Vol. 16, Issue. 3,2019.
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18. Pramukh N, Hemanth H, Pooja R, Rakshith H, Charankumar K M, Paper titled “Warm Mix Asphalt”published in “International Journal of Civil and StructuralEngineering Research(IJCSER)” ISSN 2348-7607, VOL.7 ISSUE 1, PP.46- 51, APRIL 2019-SEPTEMBER 2019.
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Conference Publication 2019

1. Vivek.S, paper titled “Comparative Study on Engineering Properties of Plastic Reinforced Soil” in National Conference On Trends And Innovations In Civil Engineering (NCRTIC- AIT-2019) on June 7th & 8th 2019, Organised by Dept of Civil Engineering, Dr.AIT, Bangalore.
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1. Santhosh B S, Bhavana D R, Rakesh M G, Paper titled “Mycelium Composites: An Emerging Green Building Material” is published in “International Research Journal of Engineering and Technology, ISSN 2395 -0056, Volume 05, No 6, June 2018, pp. 3066-3068.
2. Santhosh B S, Shashikumar C S, Paper Titled “Rheology: A Scientific Method to measure Workability”, in Proceedings of Regional workshop on “ Engineering challenges related to the concept of new materials in construction industry” organised by Department of Civil Engineering, Dayananda Sagar College of Engineering, Bengaluru, 19th September 2018, pp 88-9
3. Hemalatha H. N, Mahesh S, Nanjundaswamy S, Sahana M “Electrochemical degradation of a real silk textile wastewater using iron electrodes” IOSR Journal of Applied Chemistry (IOSR-JAC), Volume 11, Issue 6, 2018, pp 93-100.
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6. Abdul Razak.B.H, B Shubham, Vishal Bhardwaj , Mallikarjun V H, “Flow time analysis of binary blended mixes with retarding superplasticizers”, International Research Journal of Engineering and Technology (IRJET), ISSN 2395-0056, 5(5), 2018.pp 3218-3221.
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13. Shashi Kumara S R, D L Venkatesh Babu, B C Udayashankar, Experimental study on optimization of mid strength high performance concrete using particle packing technique, International Journal of Engineering & Technology, (4), 2018, pp 5272-5280, doi: 10.14419/ijet.v7i4.27589.
14. Rashmi S.M “COMPARISON OF TRAVEL ASPECTS BETWEEN DIFFERENT MODES OF TRANSPORT” International Research Journal of Engineering and Technology (IRJET), Vol. 5(May-2018).
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2. M Rudramurthy "Stabilization of Black cotton soil using fly ash and pond ash" International Journal of Emerging Trends in Engineering and Development (IJETED), ISSN- 2249-6149, Issue-7,Volume-3,May 2017.
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