

List of Publications
Department of Civil Engineering
GMR Institute of Technology, Rajam – 532127
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Vizianagaram, Andhra Pradesh, India

Details	National Conference	National Journal	International Conference	International Journal	Book / Book Chapt er	Total Publications	Cumulative Publications
Academyear							
July 2025- January 2026	00	00	07	29	00	36	507
July 2024-June 2025	00	00	06	48	01	55	471
July 2023- June 2024	01	00	02	42	01	46	416
2022-23	01	00	04	84	01	90	370
2021-22	00	00	06	19	07	32	280
2020-21	00	00	03	37	01	41	248
2019-20	00	00	04	37	01	42	207
2018-19	07	00	00	23		30	165
2017-18	00	01	01	19		21	135
2016-17	01	00	03	08		12	114
2015-16	01	00	06	12		19	102
2014-15	01	00	05	15		21	83
2013-14	02	00	01	11		14	62
2012-13	00	00	02	07		09	48
2011-12	01	00	02	04		07	39
2010-11	05	00	00	10		15	32
2009-10	01	00	04	03		08	17
2008-09	02	00	03	00		05	09
2007-08	00	01	00	00		01	04
2006-07	00	01	00	02		03	03
2005-06	00	00	00	00		00	00

July 2025-January 2026

International Conferences:

- [1] Sampathkumar, V., Manoj, S., Sampathkumar, K., Navaneethan, K.S., **Vivek, S.**, Priya, V., Nikitha, S., Srikanth, R. and Sona, S., 2025, July. Transforming medical-glass waste into sustainable concrete mixtures. In AIP Conference Proceedings (Vol. 3298, No. 1, p. 040050). AIP Publishing LLC. ISSN- 1551-7616, Scopus index. 10.1063/5.0282470.
- [2] Ruban, D.S., Presanna, S., Manickaraj, K. and **Vivek, S.**, 2025, July. Exploring the strength of concrete with partial substitution of industrial waste by-products. In AIP Conference Proceedings (Vol. 3298, No. 1, p. 040054). AIP Publishing LLC, ISSN- 1551-7616, Scopus index. 10.1063/5.0279544.
- [3] Rajendran, R., Velusamy, S., Subbaiyan, A., Nallasamy, J.L., **Sivakumar, V.**, Vivek, P., Shanmugamoorthy, M., Murugesan, S. and Girimurugan, N.S., 2025, July. Investigation into the performance and resilience of sustainable concrete incorporating electronic waste-derived plastic coarse aggregate. In AIP Conference Proceedings (Vol. 3298, No. 1, p. 040004). AIP Publishing LLC, ISSN- 1551-7616, Scopus index. 10.1063/5.0279300.
- [4] **Kumar, BAV.** Ram, Tadi, C., Kodimela, A., Ramu, P. and Ajay, C.H., 2025, July. Rain water harvesting potential using geographical information system. In AIP Conference Proceedings (Vol. 3298, No. 1, p. 040020). AIP Publishing LLC. ISSN- 1551-7616, Scopus index. 10.1063/5.0279221.
- [5] Madheswaran, K., Mithun, M., Arasu, A.N. and **Vivek, S.**, 2025, July. Exploring the impact of quarry rock dust and marble sludge as partial replacements for fine aggregate in concrete mixes. In AIP Conference Proceedings (Vol. 3298, No. 1, p. 040053). AIP Publishing LLC. ISSN- 1551-7616, Scopus index. 10.1063/5.0279537.
- [6] Velusamy, S., Shanmugamoorthy, M., Sampathkumar, K., Subramaniam, N.K., **Sivakumar, V.**, Vivek, P., Palanisamy, A.S., Sekar, K. and Sankar, A., 2025, July. Experimental investigation of fly ash-based geopolymers as an alternative to ordinary portland cement. In AIP Conference Proceedings (Vol. 3298, No. 1, p. 040008). AIP Publishing LLC. ISSN- 1551-7616, Scopus index. 10.1063/5.0279302.
- [7] **Kanta, N.R.**, Ponnada, M.R. and Pongunuru, N.S., 2025, July. Sustainable alternative materials in light weight concrete. In AIP Conference Proceedings (Vol. 3298, No. 1, p. 040002). AIP Publishing LLC. ISSN- 1551-7616, Scopus index. 10.1063/5.0279684.

International Journals:

- [1] Alabdan, R., Sharmila, C., Alruwais, N., Alshahrani, H.M., Anbukkarasi, S., Sujatha, M. and **Vivek, S.**, 2025. Assessment of flood vulnerability in a coastal metropolitan city for sustainable

- environmental using machine learning methods. *Scientific Reports*, 15(1), p.24796. ISSN: 2045-2322, IF =3.9, Scopus + SCIE, Q1. 10.1038/s41598-025-08912-4.
- [2] Vadivel, M., Sundar, A.S., Murthy, P.V.R.K., Soundararajan, M., Rajan, D. and **Priya, V.**, 2025. Dynamic Coastal Vulnerability Index: A Machine Learning Approach to Predict Future Impacts of Climate Change and Human Activity on Coastal Environments. *Journal of South American Earth Sciences*, p.105692. ISSN: 0895-9811, Scopus + SCIE, IF= 1.5, Q3. 10.1016/j.jsames.2025.105692.
- [3] Sethuraman, S., Alshahrani, H.M., Alotaibi, F.A., Vadivel, M. and **Sivakumar, V.**, 2025. Analysis of urban heat island by using remote sensing techniques and geo-spatial approach in Chennai Region, Tamil Nadu, India: S Sethuraman et al. *Journal of Earth System Science*, 134(3), p.141. ISSN: 2347-4327, Scopus + SCIE, IF = 1.7, Q3. 10.1007/s12040-025-02596-0.
- [4] **Priyatham, B.P.** and Sethi, K.C., 2025. Sustainable retrofitting through multi-objective optimization: a time–cost–energy framework using opposition-based NSGA-III. *Asian Journal of Civil Engineering*, pp.1-15. Scopus indexed (Q2), 10.1007/s42107-025-01359-y.
- [5] **Kumar, B.R.**, Ajay, C.H., Tammineni, G., Krishna, S.V. and Chukka, N.D.K.R., 2025. Sustainable roller compacted concrete: integrating ferrochrome slag and reclaimed asphalt pavement with cost and life cycle analysis. *Innovative Infrastructure Solutions*, 10(7), p.298. ISSN: 2364-4176, Scopus + ESCI, IF = 2.4, Q2. 10.1007/s41062-025-02116-5.
- [6] Saranya, A., Al Mazroa, A., Maashi, M., Nithya, T.M. and **Priya, V.**, 2024. Remote sensing and machine learning approach for zoning of wastewater drainage system. *Desalination and Water Treatment*, 319, p.100549. ISSN: 1944-3994, Scopus + SCIE, Elsevier publications, IF =1.00, Q4. 10.1016/j.dwt.2024.100968.
- [7] Sheeba, R., Alsolai, H., Allafi, R., Nithya, K., Arasi, M.A., Karthikeyan, B., Sudarvizhi, D. and **Vivek, S.**, 2025. A Comprehensive IoT and Blockchain-Integrated Framework for Autonomous Water Management in Sustainable Urban Ecosystems. *Sustainable Computing: Informatics and Systems*, p.101171. ISSN- 2210-5379. Scopus +SCIE, Q1, IF= 4.9. 10.1016/j.suscom.2025.101171.
- [8] **Jayaprakash, S.**, Jegatheeswaran, D., Pandimani, Subbaram, S., Dhamodharan, M., Ramasamy, V., Deivasigamani, V. and Adjei-Fio, F., 2025. Influence of Granite Powder Waste on the Flexural and Microstructure Morphology Behaviors of Reinforced Concrete Beams With Glass Fiber Reinforced Polymer Bars. *Engineering Reports*, 7(8), p.e70304. WILEY Publications, ISSN-2577-8196, Scopus +SCIE, Q2, IF= 2.2. 10.1002/eng2.70304.
- [9] Behera, A.P., Sabar, C., Kumar, A., Ranjan, A., Ranjan, R.K., Bhushan, M., Sahoo, S. and **Dash, B.**, 2025. Uncertainty-aware optimization of construction time–cost–quality trade-offs

- via Fuzzy-MOPSO. Asian Journal of Civil Engineering, pp.1-17. ISSN- 1563-0854, Q2, Scopus indexed, Springer publications. 10.1007/s42107-025-01477-7.
- [10] Chaitanya, D.V.S.R.K., Narayan, B.B., Raut, U., Sankararao, G.G., Kumar, G.P., Kumar, G.A. and **Dash, B.**, 2025. Integrated machine learning approach for multivariate forecasting of durability parameters in high-performance concrete under harsh environmental conditions. Asian Journal of Civil Engineering, pp.1-14. ISSN- 1563-0854, Q2, Scopus indexed, Springer publications. 10.1007/s42107-025-01464-y.
- [11] KANNA, R.K., PALANIAPPAN, G., UDAYAKUMAR, R., UMA, S., JAYANTHI, J., **PRIYA, V.** and PHILIP, J., 2025. Exploring the potential of anaerobic digestion to convert wastewater into biogas: a renewable source of energy. Oxidation Communications, 48(2). ISSN- 0209-4541, Scopus indexed.
- [12] Sivakumar, V., Sivarethinamohan, S., Mohanraj, E.K., Velusamy, S. and Almeer, R., 2025. Management of treated wastewater and flood water using GIS and machine learning for environmental protection in Lower Thamirabarani sub-basin, India. Journal of Earth System Science, 134(3), pp.1-14. Springer publications, Q2, Scopus + SCIE, <https://doi.org/10.1007/s12040-025-02635-w>.
- [13] Vadivel, M., Alzaben, N., Alamri, M.Z., Alshammerid, M., Pammi, S.V.N. and Priya, V., 2025. Machine Learning Based Identification of River Plastic Litter in Coastal Region Using Sentinel-2 Data: An Automated Approach for Marine Pollution Monitoring and Management: Vadivel et al. Ocean Science Journal, 60(4), p.48. Scopus + SCIE, Q3, IF =1.4. <https://doi.org/10.1007/s12601-025-00246-6>.
- [14] Gupta, R., Rajpoot, A., Shyam, R., Dash, B., Ateş, B. and Sethi, K.C., 2025. Modified adaptive weight Rao-2 algorithm for construction time-cost trade-off optimization problems. Asian Journal of Civil Engineering, pp.1-11. Scopus indexed, <https://doi.org/10.1007/s42107-025-01557-8>.
- [15] Prabhu, G.G., Keshav, L., Kumar, B.N., Ramujee, K., Christo, M.S., Ali, S.A., Hayder, G. and Ravindiran, G., 2025. Mitigating mix design anomalies in ultra-high performance concrete strength prediction through anomaly detection and ensemble learning. Asian Journal of Civil Engineering, pp.1-23. Scopus indexed, <https://doi.org/10.1007/s42107-025-01549-8>.
- [16] Ahmad, E., Dash, B., Tripathi, A., Mishra, P., Manjunath, T.C. and Sethi, K.C., 2025. Hybrid CNN and image processing framework for precise characterization of cracks in concrete structures. Asian Journal of Civil Engineering, pp.1-14. Scopus indexed, <https://doi.org/10.1007/s42107-025-01535-0>.
- [17] Solomon, A.A., Agnes, S.A. and Sridhar, J., 2025. A BIM-enabled life cycle approach to evaluate global warming potential and embodied carbon in building materials. Engineering

Research Express, 7(4), p.045118. IOP publications, Scopus + ESCI (WoS) indexed, Q2, IF=1.6, DOI 10.1088/2631-8695/ae14b2.

- [18] Chukka, N.D.K.R., Gnananandarao, T., Lakshmaiya, N., UshaKranti, J., Kota, S.R., Moganti, L.K. and Ram Kumar, B.A.V., 2025. Compressive response of concrete-filled double-skin steel elliptical tubular columns: A hybrid finite element and machine learning approach. *Mechanics of Advanced Materials and Structures*, pp.1-23. Taylor and Francis publications, Scopus +SCIE indexed, Q1, IF= NA, <https://doi.org/10.1080/15376494.2025.2582069>.
- [19] Alabdulkreem, E., Allafi, R., Arasi, M.A., Geetha, P., Nafie, F.M., Begum, A.S., Nallasivan, G. and Vivek, S., 2025. Innovative IoT and Blockchain Integration for Real-Time Urban Air Quality Monitoring and Autonomous Response System. *Sustainable Computing: Informatics and Systems*, p.101250. Scopus + SCIE, Elsevier Publications, Q1, IF =5.7. <https://doi.org/10.1016/j.suscom.2025.101250>.
- [20] Sivakumar, V., GS, A., Prasad, K.H. and Thangavel, R., 2026. Machine learning-based prediction of strength characteristics of cement-stabilised soil incorporating construction and demolition waste and polypropylene fibres. *Multiscale and Multidisciplinary Modeling, Experiments and Design*, 9(1), pp.1-21. Springer publication, Scopus + SCIE, Q2, IF = 2. <https://doi.org/10.1007/s41939-025-01086-6>.
- [21] Naidu, G.D.R., Gaddam, M.K.R., Maganti, T.R. et al. Energy-efficient ternary blended alkali-activated hybrid fiber reinforced concrete with recycled aggregates and phase change materials. *J Build Rehabil* 11, 25 (2026). Springer publications, Scopus indexed. <https://doi.org/10.1007/s41024-025-00707-4>.
- [22] Gaddam, M.K.R., Rao, G.P. & Rao, B.K. Predictive modeling of RC beam shear strength using machine learning across global design standards. *J Build Rehabil* 11, 7 (2026). Springer publications, Scopus indexed. <https://doi.org/10.1007/s41024-025-00680-y>.
- [23] Aldehim, G., Allafi, R., Alkharashi, A., Britto, A.S.F., Vijayalakshmi, J., Begum, A.S., Sashikkumar, M.C. and Priya, V., 2026. Modeling Future Coastal Morphodynamics Under Climate Forcing Using Ensemble-Based Machine Learning Approaches: Modeling Future Coastal Morphodynamics Under Climate. *Ocean Science Journal*, 61(1), p.10. Scopus+SCIE, Q3, IF = 1.4. <https://doi.org/10.1007/s12601-025-00260-8>.
- [24] Alabdulkreem, E., Althobaiti, T., Abaker, M., Murugesan, G., Alkhudhayr, H., Srinivasan, S., Sampathkumar, V. and Priya, V., 2026. Deep Learning-Enabled Real-Time Monitoring of Coastal Water Pollution Using Sentinel-2 Remote Sensing Data. *Ocean Science Journal*, 61(1), p.9. Scopus+SCIE, Q3, IF = 1.4. <https://doi.org/10.1007/s12601-025-00259-1>.

- [25] Velusamy, P. and Thangavel, R., 2026. Predictive modeling of age-dependent strength in concrete incorporating GGBS, silica fume, and phosphogypsum using XGBoost, Random Forest, and Weibull analysis. *Mechanics of Time-Dependent Materials*, 30(1), p.2. Scopus + SCIE, Q2, IF= 2.3. <https://doi.org/10.1007/s11043-025-09848-y>.
- [26] Sivakumar, V., Prasath, P., Jeyavelu, K., Thangavel, R., Muthupriya, P., Velusamy, P. and Pammi, S.V.N., 2026. Advanced IoT solutions for real-time monitoring and resource optimization in masonry structures using innovative material technologies. *Journal of Building Pathology and Rehabilitation*, 11(1), p.47. Springer publications, Scopus indexed. <https://doi.org/10.1007/s41024-025-00724-3>.
- [27] Vadivel, M., Saraswathi, R.V., Sreelakshmi, P., Merugu, R.R., Thillaigovindan, S. and Sivakumar, V., 2025. Real-time coastal flood risk assessment using IoT-integrated satellite data and machine learning models for predicting flooding events and informing resilient coastal planning for Durban coastal region, South Africa. *Journal of African Earth Sciences*, p.105856. Elsevier publication, Scopus+SCIE, Q2, IF = 2.2. <https://doi.org/10.1016/j.jafrearsci.2025.105856>.
- [28] RAMU, P., KUMAR, B.R., RAJU, P.G. and SOWMYA, M., 2025. Applications of Internet of Things (IoT) in agriculture: A review. *Journal of Agrometeorology*, 27(4), pp.544-554. Scopus, Association of Agrometeorologists (AAM), <https://doi.org/10.54386/jam.v27i4.3084>.
- [29] Uppuluri, S.R.K., Chaudhary, Y., H. Badiger, M., Turumella, V.G., S, K.R. and E, K., 2025. Design of sustainable bituminous concrete pavement with cement–treated granular layers constructed on stabilized subgrade. *World Journal of Engineering*, 22(5), pp.901-913. Emerald publication, Q2, Scopus + ESCI, IF = 1.6. <https://doi.org/10.1108/WJE-03-2024-0156>.

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July 2024-June 2025

International Conferences:

- [1] Uppuluri, S.R.K., Tadi, C. and Badiger, M., 2024, June. A Study on Life Cycle Analysis of Bituminous and Cement Concrete Pavements with Recycled Materials in Circular Economy. In IOP Conference Series: Earth and Environmental Science (Vol. 1326, No. 1, p. 012098). IOP Publishing. Scopus.
- [2] Gowri, T. V., Krishna, U. S. R., & Biradar, S. V. (2024, June). Bamboo as A Sustainable Alternative Reinforcement Material: A Review. In Journal of Physics: Conference Series (Vol. 2779, No. 1, p. 012015). IOP Publishing. Scopus, Doi : 10.1088/1742-6596/2779/1/012015.
- [3] Gowri, T. V., Krishna, U. S. R., Baswaraj, K., & Biradar, S. V. (2024, June). Sustainable Concrete Pavements: A Comparative Analysis of Biochar-Supplemented and Conventional Concrete in terms of Strength, Carbon Emissions, and Cost. In Journal of Physics: Conference Series (Vol. 2779, No. 1, p. 012014). IOP Publishing. Scopus, Doi: 10.1088/1742-6596/2779/1/012014.
- [4] Prabakaran, E., Vijayakumar, A. and kumar, D.V., 2023, October. An Experimental Study of Stone Matrix Asphalt with Different Fillers. In International Conference on Internet of Things and Connected Technologies (pp. 265-279). Scopus indexed, Singapore: Springer Nature Singapore. https://doi.org/10.1007/978-981-97-5786-2_21.
- [5] Anupoju, V. and Suvvari, S.G.P., 2025, May. Sustainable water management in urban areas: A case study. In AIP Conference Proceedings (Vol. 3305, No. 1, p. 020018). AIP Publishing LLC. Scopus indexed, <https://doi.org/10.1063/5.0269327>.
- [6] Suvvari, S.G.P. and Anupoju, V., 2025, May. Evaluating the effectiveness of waste shredded rubber tyres for soil stabilization. In AIP Conference Proceedings (Vol. 3305, No. 1, p. 020017). AIP Publishing LLC, Scopus indexed <https://doi.org/10.1063/5.0269154>.

Book Chapters

- [1] Joseph Charles Tamilmaran, D., Varghese, A., Arun Solomon, A. and Akila Agnes, S., 2024. Unveiling the Cinematic Odyssey: Netflix User Experiences, with a Spotlight on Generation Z in India. In Harnessing AI, Machine Learning, and IoT for Intelligent Business: Volume 1 (pp. 631-640). Cham: Springer Nature Switzerland. (Scopus indexed, (Book- Chapter). Online ISBN978-3-031-67890-5. DOI https://doi.org/10.1007/978-3-031-67890-5_57.

International Journals:

- [1] Athibaranan S., Chandru P., Nandhini K., Dhanalaksmi A., 2024. Probabilistic Corrosion-free Service Life of the RCC Structures Made with OPC and Ultra-fine Slag-based Binders. J. Environ. Nanotechnol, 13(2), pp.52-59. Institute for Environmental NanoTechnology (IENT) publisher, Scopus. <https://doi.org/10.13074/jent.2024.06.242617>.
- [2] Srinivasan K., Vivek S., Sampathkumar V., 2024. Facilitating Eco-Friendly Construction Practices with the Sustainable Application of Nanomaterials in Concrete Composites. J.

- Environ. Nanotechnol, 13(2), pp.201-207. Institute for Environmental NanoTechnology (IENT) publisher, Scopus. <https://doi.org/10.13074/jent.2024.06.242556>.
- [3] Uppuluri, S.R.K., Chaudhary, Y., H. Badiger, M., Turumella, V.G. and E, K., 2024. Design of sustainable bituminous concrete pavement with cement–treated granular layers constructed on stabilized subgrade. World Journal of Engineering. Emerald publication, Q3, Scopus + ESCI, <https://doi.org/10.1108/WJE-03-2024-0156>.
- [4] C A., N I., Sivakumar V., V P., 2024. Analysis of volumetric and geomorphological changes mapping using remote sensing and GIS approaches. Journal of South American Earth Sciences, 143, p.104989. Elsevier, Q2, Scopus+SCIE, <https://doi.org/10.1016/j.jsames.2024.104989>.
- [5] A S., Mazroa A.A., Maashi M., T.M N., V P., 2024. Remote sensing and machine learning approach for zoning of wastewater drainage system. Desalination and Water Treatment, 319, p.100549. Elsevier, Q3, Scopus + SCIE, <https://doi.org/10.1016/j.dwt.2024.100549>.
- [6] Sivakumar, V., Kannan, V., Uppara, R.B., Sasivarman, B., Srinivasan, N.P. and Priya, V., 2024. Spatiotemporal Variation of water quality in the context of Suspended Particulate Matter in Laguna Mar Chiquita Lake, Argentina using ACOLITE. Desalination and Water Treatment, p.100684. Scopus + SCIE, Elsevier, Q3. <https://doi.org/10.1016/j.dwt.2024.100684>.
- [7] Ambika, D., Sivakumar, V., Velusamy, S., & Panneerselvam, M. (2024). Geo-environmental monitoring of coastal and land resources for Coatzacoalcos coastal region, Mexico. Journal of South American Earth Sciences, 105119. Elsevier publication, SCIE, Scopus, Q2. Doi : 10.1016/j.jsames.2024.105119.
- [8] Kanta Naga Rajesh, Pupalwad Arti Sudam, G. Durga Rama Naidu, Ponnada Markandeya Raju, Pongunuru Naga Sowjanya, Moka Rajani. (2024). Effect of dry mix alkali activated slag binder composite properties cured in ambient condition. Global NEST Journal, Vol 26, No 6, 05746. SCIE, Scopus, Q3. <https://doi.org/10.30955/gnj.005746>.
- [9] Saranya, A., Sivakumar, V., Satheeshkumar, S., & Logeshkumaran, A. (2024). Assessment of Flood Risk in the High Rainfall Coastal Area of Cuddalore Taluk, Southeast India, Using GIS-Based Analytic Hierarchy Process Techniques. Journal of the Indian Society of Remote Sensing, 1-14. Scopus, SCIE, Q2. Doi : 10.1007/s12524-024-01998-9.
- [10] Sankarapandian, K., Rajesh, K. N., Selvaraj, S. K. P., & Taj, M. N. A. G. (2024). Examining foundry sand's potential as a partial substitute for m-sand through experimental and numerical research. Matéria (Rio de Janeiro), 29(3), e20240301. Scopus, SCIE, Q4. Doi : 10.1590/1517-7076-RMAT-2024-0301.
- [11] Nivedita, V., Begum, S.S., Aldehim, G., Alashjaee, A.M., Arasi, M.A., Sikkandar, M.Y., Jayasankar, T. and Vivek, S., 2024. Plastic debris detection along coastal waters using Sentinel-2 satellite data and machine learning techniques. Marine Pollution Bulletin, 209, p.117106. Elsevier Publication, Scopus + SCIE, Q1, IF= 5.3. <https://doi.org/10.1016/j.marpolbul.2024.117106>.

- [12] **Solomon, A.A.** and Agnes, S.A., 2024. MSCAC: A Multi-Scale Swin–CNN Framework for Progressive Remote Sensing Scene Classification. *Geographies*, 4(3), pp.462-480. MDPI publication, Scopus + ESCI, Q2. <https://doi.org/10.3390/geographies4030025>
- [13] Daniel Cruze, Chandan Sah, Nijampatnam Manikanta, Dharendra Kumar Mandal, Abhinash Kumar Jha, A. Arun Solomon., 2024. Axial compressive behavior of recycled aggregate concrete steel composite columns, *Res. Eng. Struct. Mater.*, MIM research group publications, Scopus, Q3. <http://dx.doi.org/10.17515/resm2024.04ma1019rs>.
- [14] Muthumani, S., Balaji, S., Sridhar, J. and Velusamy, S., 2024. Evaluation of performance-based characteristics in high-performance concrete modified with ferro slag aggregates and admixtures. *Matéria (Rio de Janeiro)*, 29(3), p.e20240368. Scopus + SCIE, Q4, DOI: <https://doi.org/10.1590/1517-7076-RMAT-2024-0368>.
- [15] Dhanapal, Jegatheeswaran, Sridevi Saravanan, Sridhar Jayaprakash, Vivek Sivakumar, Senthil Kumar Muniasamy, Vivek Deivasigamani, Balaji Shanmugam, and V. Sampathkumar. "Eco-Friendly Concrete Solutions: The Role of Titanium Dioxide Nanoparticles in Enhancing Durability and Reducing Environmental Pollutants-A Review." *J. Environ. Nanotechnol* 13, no. 3 (2024): 332-344. Scopus indexed, <https://doi.org/10.13074/jent.2024.09.243894>.
- [16] Venkatraman, S., S. Sabarunisha Begum, K. Nithya, M. Sujatha, T. Jayasankar, N. B. Prakash, S. Srinivasan, and S. Vivek. "Automated System for Identifying Marine Floating Plastics to Enhance Sustainability in Coastal Environments Through Sentinel-2 Imagery and Machine Learning Models." *Ocean Science Journal* 59, no. 4 (2024): 1-17. Q3, Scopus + SCIE, IF = 2. <https://doi.org/10.1007/s12601-024-00182-x>
- [17] Krishnakumar, S., V. Sreevidhya, S. Vivek, and V. Priya. "Drought Vulnerability Assessment Using GIS and Remote Sensing Techniques: A Case Study in Part of Coimbatore, Tamil Nadu, India." *Journal of the Indian Society of Remote Sensing* (2024): 1-15. Q2, Scopus + SCIE, IF = 2.2. DOI : <https://doi.org/10.1007/s12524-024-02038-2>
- [18] Kumar G.A.; Mukund D.; Ram Kumar B.A.V.; Rao S.E. "Sustainable use of oyster shell ash and waste engine oil in hot mix asphalt". *Journal of Environmental Protection and Ecology*, Q3, Scopus indexed.
- [19] Gopi Raghunadh P.V.S.; Rajan M.S.; Kamaraj N.; Vadivel M.; Gupta R.; Muthukumaran N.; Sivakumar V. "Advancements in nanostructured materials for enhanced water desalination". *Journal of Environmental Protection and Ecology*, Q3, Scopus indexed.
- [20] Dinesh Kumar M.; Vijayashanthi S.; Krishnakumar S.; Baskar S.; Gupta R.; Vadivel M.; Sivakumar V. "Focusing the removal of dyes from wastewater effluents". *Journal of Environmental Protection and Ecology*, Q3, Scopus indexed.

- [21] Samuel Thanaraj M.; Mayilvahanan I.; Vedhasakthi K.; Vaishnava Kumar R.; Gupta S.; Vadivel M.; Sivakumar V. "Anaerobic treatment for sulphate containing wastewater". *Journal of Environmental Protection and Ecology*, Q3, Scopus indexed.
- [22] Govindarajalu, Elangovan, and Ganesh Prabhu Ganapathy. "Reuse of ceramic waste in concrete production for a sustainable ecosystem." *Matéria (Rio de Janeiro)* 29, no. 3 (2024): e20240325. Q4, Scopus + SCIE. <https://doi.org/10.1590/1517-7076-RMAT-2024-0325>
- [23] Saravanan, Praveen, Bhagavathi Pushpa Thillainayagam, Gokulan Ravindiran, and Jegan Josephraj. "Evaluation of the adsorption capacity of Cocos Nucifera shell derived biochar for basic dyes sequestration from aqueous solution." *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* 46, no. 1 (2024): 12663-12679. Q2, Scopus + SCIE, IF = 2.4. 10.1080/15567036.2020.1800142
- [24] Ganapathy, G.P. and Haupt, T.C., 2024. Engineering properties of SBS and crumb-rubber modified bitumen—a design of experiment approach. *Journal of Engineering, Design and Technology*, 22(6), pp.1742-1754. Scopus + ESCI, Scopus, Q2, Emerald Publications. <https://doi.org/10.1108/JEDT-01-2022-0037>.
- [25] P. SUBASHREEa , R. RAMESHa , S. THENMOZHIB , D. PRADEEP KUMARc , S. VIVEK, 2024. Ceramic tile mix optimisation: green innovations with red mud, fly ash, and ceramic waste. *Journal of Environmental Protection & Ecology*, 25, No 7, 2224–2233. Scopus, Q3, Scibulcom Ltd Publications, <https://scibulcom.net/en/article/dOnim5SYqYCHXXLJxJW7>
- [26] VijayaShanthy, S., Priyanka, E.B., Sampathkumar, V., Manoj, S., Vivek, S., Karuppanan, S. and Kathiresan, K., 2024. Analysis of air quality parameters on climate change phenomenon using Markov autoregressive model. *Cogent Engineering*, 11(1), p.2421284. Scopus + ESCI, Q2, Taylor & Francis publication, <https://doi.org/10.1080/23311916.2024.2421284>
- [27] Taj, M.N.A.B.G., Alruwais, N., Alshahrani, H.M., Vijayalakshmi, J., Shanmugapriya, N. and Jayaprakash, S., 2024. Precision crack analysis in concrete structures using CNN, SVM, and KNN: a machine learning approach. *Matéria (Rio de Janeiro)*, 29, p.e20240551. Scopus + SCiE, Q4, Univ Fed Rio De Janeiro Publication. <https://doi.org/10.1590/1517-7076-RMAT-2024-0551>.
- [28] Sankarapandian K.; Athibaranan S.; Balu K.; Thenmozhi S.; Sellamuthu B, 2024. Revolutionising concrete: harnessing sustainable nanomaterials for enhancing strength and durability performance. *Journal of Environmental Protection & Ecology*, 25, No 7, 2281–2290. Scopus, Q3, Scibulcom Ltd Publications, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85211390217&partnerID=40&md5=baada71f3458fdb884460c18f031c0b5>.
- [29] Gaddam, K., Perumal, M.S. and Ravindiran, G., 2020. Removal of lead metal ion using biowaste of pithophora cleveana wittrock and mimusops elengi, energy source part A: recovery. *Utilization and Environmental Effects*. Taylor & Francis Publications, Scopus + SCIE, Q2. <https://doi.org/10.1080/15567036.2020.1831657>.

- [30] Sivarethinamohan, S., Ravindiran, G., Hanumanthu, J.R., Gaddam, K., Saravanan, P. and Muniasamy, S.K., 2021. Effective removal of remazol brillinat orange 3R using a biochar derived from *Ulva reticulata*. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, pp.1-14. Taylor & Francis Publications, Scopus + SCIE, Q2. <https://doi.org/10.1080/15567036.2021.1943070>.
- [31] Kumar, B.A.V., Ramakrishna, G. and Ajay, C.H., 2025. Performance Evaluation of Roller Compacted Concrete Containing Ferrochrome Slag Aggregates and Red Mud. *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, pp.1-19. Scopus indexed, Q2, Springer publications. <https://doi.org/10.1007/s40996-024-01676-3>.
- [32] Siva Rama Krishna, U., Vasudeva Pavan Kumar, N., Tadi, C. and H. Badiger, M., 2025. Internet of things and digital twins for future smart cities: scientometric analysis. *Intelligent Buildings International*, pp.1-13. Scopus + ESCI, Q2, Taylor & Francis Publication. <https://doi.org/10.1080/17508975.2024.2447728>.
- [33] Murugesan, E., Shanmugamoorthy, S., Veerasamy, S. and Sivakumar, V., 2025. Drought assessment in Coimbatore South region, Tamil Nadu, India, using remote sensing and meteorological data. *Journal of Earth System Science*, 134(1), p.40. Scopus + SCIE, Q2, Springer publications. <https://doi.org/10.1007/s12040-024-02487-w>.
- [34] Anbarasu, N.A., Sivakumar, V., Yuvaraj, S., Veeramani, V. and Velusamy, S., 2025. Pioneering the next frontier in construction with high-strength concrete infused by nano materials. *Matéria (Rio de Janeiro)*, 30, p.e20240730. Scopus + SCIE, Q4, Universidade Federal do Rio de Janeiro - UFRJ publications. <https://doi.org/10.1590/1517-7076-RMAT-2024-0730>.
- [35] **mani, P.**, pidatala, B., Yatham, R., Akhil, P.D.V.S. and yarla, S., 2025. Seismic Resilience and Energy Optimization of Educational RC Buildings Using BIM: A Sustainable Design Approach. *Engineering Research Express*, IOP Publication, Scopus + ESCI, Q3. IF = 1.5, DOI 10.1088/2631-8695/adadc6.
- [36] Saranya, A., **Sivakumar, V.**, Satheeshkumar, S. and Logeshkumaran, A., 2024. Assessment of Flood Risk in the High Rainfall Coastal Area of Cuddalore Taluk, Southeast India, Using GIS-Based Analytic Hierarchy Process Techniques. *Journal of the Indian Society of Remote Sensing*, pp.1-14. Springer publications, Scopus + SCIE, Q2, IF = 2.2, <https://doi.org/10.1007/s12524-024-01998-9>.
- [37] **Pandimani**, Raviteja, Y., Bilgates, P. and Krishna, S.V., 2025. Building information modeling for predicting seismic demand and energy consumption. *Asian Journal of Civil Engineering*, pp.1-18. Springer publications, Scopus indexed. <https://doi.org/10.1007/s42107-025-01267-1>.
- [38] Sundararaj, P., **Sivakumar, V.**, Chidambaram, S.M., Velusamy, P. and Velusamy, S., 2025. Assessing groundwater vulnerability in South India's tannery industrial zone using GIS based integrated SINTACS and DRASTIC-LU hydrogeological models. *Environment, Development and Sustainability*, pp.1-21. Springer publications, Scopus + SCIE, Q1, IF = 4.7, <https://doi.org/10.1007/s10668-025-06032-7>.
- [39] Saranya, A., Al Mazroa, A., Maashi, M., Nithya, T.M. and **Priya, V.**, 2024. Remote sensing and machine learning approach for zoning of wastewater drainage system. *Desalination and Water*

- Treatment, 319, p.100549. Elsevier publications, Scopus + SCIE, Q3, IF = 1.0, <https://doi.org/10.1016/j.dwt.2024.100549>.
- [40] **Pandimani (2025)**. Assessment of stresses and vibration behavior of concrete gravity dam under fluctuating hydrostatic force. Challenge Journal of Concrete Research Letters, 16(1), 1–14. Tulpar academic publishing, Scopus indexed, <https://doi.org/10.20528/cjcr.2025.01.001>.
- [41] Krishnakumar, S., Sreevidhya, V., Vivek, S. et al. Drought Vulnerability Assessment Using GIS and Remote Sensing Techniques: A Case Study in Part of Coimbatore, Tamil Nadu, India. J Indian Soc Remote Sens 53, 1077–1091 (2025). Scopus + SCIE, Q2, IF = 2.2. <https://doi.org/10.1007/s12524-024-02038-2>.
- [42] Ebad, S.A., Alqazzaz, A., Marzouk, R., Venkatesan, V., Nemri, N., Rajanandhini, V.M., Vivek, S. and Rajaram, A., 2025. Deep learning based automatic crack detection for concrete structures using piezoelectric smart aggregates. Mechanics of Advanced Materials and Structures, pp.1-11. Scopus + SCIE, Q1, IF = 3.6. <https://doi.org/10.1080/15376494.2025.2477230>.
- [43] Pandimani, Bilgates, P. and Raviteja, Y., 2025. A holistic design approach for sustainable building environment—a case study of an educational building. International Journal of Construction Management, pp.1-16. Taylor & Francis Publications, Scopus + ESCI, Q2, IF = 3.4, <https://doi.org/10.1080/15623599.2025.2495695>.
- [44] Krishna, U.S.R., Badiger, M., Chaudhary, Y., Gowri, T.V. and Devi, E.J., 2025. Optimizing roads for sustainability: Inverted pavement design with life cycle cost analysis and carbon footprint estimation. International Journal of Transportation Science and Technology, 17, pp.251-275. Elsevier Publications, Q1, Scopus + ESCI, IF = 4.3, <https://doi.org/10.1016/j.ijtst.2024.04.008>.
- [45] Aldehim, G., Allafi, R., Alkharashi, A., MC, S. and Velusamy, P., 2025. Performance and emissions of gas turbine engines fueled with karanja oil-based biofuel blends: a machine learning approach using Lasso regression. Aircraft Engineering and Aerospace Technology. Vol. Ahead of publication, Emerald Publications, Q2, Scopus + SCIE, DOI: <https://doi.org/10.1108/AEAT-01-2025-0038>.
- [46] Jonnalagadda, S., Premkumar, S., Kumar, M.S., Sivarethinamohan, S., Pallavi, H., Priya, V. And Philip, J., 2025. Single-Atom Catalysts for Enhanced Oxygen Reduction Reactions in Sustainable Wastewater Treatment Systems. Oxidation Communications, 48(1). Scopus indexed.
- [47] Dash, B., Macedo, V.D.J., Mohanachandran, D.K., Pokkuluri, K.S., Rathinakumar, V. and Sethi, K.C., 2025. Optimizing time and cost in construction under uncertainty: a fuzzy-driven NSGA-III optimization approach. Asian Journal of Civil Engineering, 26(7), pp.3099-3114. Scopus + Q2, <https://doi.org/10.1007/s42107-025-01364-1>.

- [48] Priyatham, B.P. and Sethi, K.C., 2025. Sustainable retrofitting through multi-objective optimization: a time–cost–energy framework using opposition-based NSGA-III. *Asian Journal of Civil Engineering*, pp.1-15. Scopus + Q2, <https://doi.org/10.1007/s42107-025-01359-y>.
-
-

July 2023-June 2024

National Conferences:

- [1] Penki, R., Rout, S.K. and Das, A.K., 2022, November. Number of Aggregate Sizes and Aggregate Gradation Area: A Correlational Study. In *National Conference on Recent Advances in Traffic Engineering* (pp. 467-479). Singapore: Springer Nature Singapore. *Lecture Notes in Civil Engineering*, vol. 377. Springer, Scopus, Singapore. https://doi.org/10.1007/978-981-99-4464-4_30.

International Conferences:

- [1] Siva Rama Krishna, U., Gowri, T.V. and Keerthana, E.S., 2022, December. A Study on the Design of Sustainable Bituminous Concrete Pavement with Subgrade Soil Stabilization. *Lecture Notes in Civil Engineering (International conference)*, vol 434. Springer, Singapore. https://doi.org/10.1007/978-981-99-6090-3_23.
- [2] Vivek, D., Sridhar, J., Rampradheep, G.S., Elango, K.S., Sankar, G.N.R. and Anandaraj, S., 2023, December. Investigations on mechanical and durability properties of concrete with waste glass powder and ground granulated blast furnace slag. In *AIP Conference Proceedings (International conference, Scopus)* (Vol. 2901, No. 1). AIP Publishing, <https://doi.org/10.1063/5.0179481>.

Book chapter

- [1] Athibaranan, S., Jayakumar, K., Prabhu, G.G. and Sridhar, J., 2024. Corrosion Resistance and Permeability Properties of UHPC-ECC: Durability Studies of UHPC-ECC. *Production, Properties, and Applications of Engineered Cementitious Composites*, pp.181-209. (Scopus, Book chapter). DOI: 10.4018/978-1-6684-8182-0.ch007.

International Journals:

1. Raja, K., Sankareswaran, N., Ganeshan, P., Vivek, S. Dynamic Behaviour and Microstructure Evolution Of ZrO₂ Particle Reinforced Aluminium Alloy Ceramics Matrix Composites. *Journal of Environmental Protection and Ecology*, Vol. No. 24, Issue No. 3, pp. 830–837, June Month 2023. (ISSN No.:1311-5065) (Indexed in: SCIE and Scopus, Q3) (Impact Factor: 0.538) DOI: <https://scibulcom.net/en/article/hGpSWSgdNzgnPAM241Hu>
2. Dash, B., Prakash Giri, J., Markandeya Raju, P., Dora, D.T.K." Simultaneous influence of processed cellulose acetate fiber reinforcement and recycled aggregate replacement on mechanical and durability performances of concrete" *Construction and Building Materials*, Vol 401,2023, (ISSN No : 0950-0618) (SCI,Q1IF:7.69)DOI: 10.1016/j.conbuildmat.2023.132950.
3. Muruganandam, M., Rajamanickam, S., Sivarethinamohan, S., Reddy, M.K., Velusamy, P., Gomathi, R., Ravindiran, G., Gurugubelli, T.R. and Munisamy, S.K., 2023. Impact of climate change and anthropogenic activities on aquatic ecosystem–A

- review. *Environmental Research*, p.117233. Elsevier, Scopus+SCIE, Q1. <https://doi.org/10.1016/j.envres.2023.117233>.
4. Penki, R., Basina, S.S. and Tanniru, S.R., 2022. Application of geographical information system-based analytical hierarchy process modeling for flood susceptibility mapping of Krishna District in Andhra Pradesh. Q1, *Environmental Science and Pollution Research*, pp.1-14.
 5. Suriya, S., Rekha, Y., Vincent, P., Madhan, K.M., Priya, V., 2023. Assessment of inundation risk at Bhavani River (stretch from Sathyamangalam to Velliyampalayam) using HEC-RAS. *Disaster advances*. Q4, Vol.16, issue 10, pp.24-29. [10.25303/1610da024029](https://doi.org/10.25303/1610da024029).
 6. Peraka, N.S.P., Biligiri, K.P. and Kalidindi, S.N., 2023. Multi-Parametric Delineation Approach for Homogeneous Sectioning of Asphalt Pavements. *Infrastructures*, (Q2), 8(10), p.153. <https://doi.org/10.3390/infrastructures8100153>
 7. Jegatheeswaran, D., Sridhar, J., Saranya, S., Gokulan, R. and Gasim, H., 2023. Utilization of nanomaterials and ceramic waste for sustainable environmental protection. *Global nest journal*, (Q3), <https://doi.org/10.30955/gnj.005031>
 8. Prasath, P., Gobinath, R. and Sridhar, J., 2023. Torsional Modeling of Reinforced Concrete Beam–Column Joint Retrofitted by Aramid Fiber—Experimental and Numerical Analysis. *Advances in Civil Engineering*, 2023. (Q3), <https://doi.org/10.1155/2023/4067940>
 9. Ja'e, I.A., Salih, A.R., Syamsir, A., Min, T.H., Itam, Z., Amaechi, C.V., Anggraini, V. and Sridhar, J., 2023. Experimental and predictive evaluation of mechanical properties of kenaf-polypropylene fibre-reinforced concrete using response surface methodology. *Developments in the Built Environment*, Elsevier, Q1,16, p.100262. <https://doi.org/10.1016/j.dibe.2023.100262>
 10. Sivakumar, V., Ramamoorthy, V.L., Muthaiyan, U.M., Kaliyappan, S., Ravindiran, G., Shanmugam, S., Velusamy, P., Natarajan, L., Almohamad, H., Al-Mutiry, M. and Abdo, H.G., 2023. Assessing Groundwater Quality for Sustainable Drinking and Irrigation: A GIS-Based Hydro-Chemical and Health Risk Study in Kovilpatti Taluk, Tamil Nadu. *Water*, MDPI, Q1, 15(22), p.3916. <https://doi.org/10.3390/w15223916>
 11. Srinivasan, K., Priya, V., Sashik Kumar, M.C. and Suriya, S., 2023. An experimental study on continuous removal of chromium (VI+) ions from wastewater effluent by using fluidized bed reactor. *Global NEST Journal*, Q3, Vol 25, No 7, pp 25-31, <https://doi.org/10.30955/gnj.005148>
 12. T. Vijaya Gowri, M. A. Azeem, U. Siva Rama Krishna and Sangamesh B., 2023. Experimental studies on Self-Cleaning Concrete by photocatalytic activity for rigid pavements, *ARNP Journal of Engineering and Applied Sciences*, Q4, 18(16), pp.1828-1834, e-ISSN-1819-6608. <https://doi.org/10.59018/0823226>.
 13. Suvvari, S.G.P., Kandru, S. and Chappa, M., 2024. Optimization of cement, rice husk ash, and waste plastic additives for stabilizing expansive subgrade soil: a Grey-Taguchi analysis approach. *Journal of Building Pathology and Rehabilitation*, , 9(1), p.8., Springer Nature publication, Scopus (Q2). [10.1007/s41024-023-00357-4](https://doi.org/10.1007/s41024-023-00357-4).
 14. Thenmozhi, M., Sujatha, M., Kavitha, M., Senthilraja, S., Babu, M. and Priya, V., 2023. Assessment of cyclone risk and case study of Gaja cyclone using GIS techniques and machine learning algorithms in coastal zone of Tamil Nadu, India. *Environmental Research*, p.118089. Scopus & SCIE, Elsevier publication (Q1). [10.1016/j.envres.2023.118089](https://doi.org/10.1016/j.envres.2023.118089).
 15. Sudhir Kumar, B., Srikanth, K. and Eeshwar, T., 2024. Implementation of soft computing techniques in forecasting compressive strength and permeability of pervious concrete blended with ground granulated blast-furnace slag. *Journal of Soft Computing in Civil Engineering*, 8(2), pp.19-45, Scopus (Q3), Pouyan Press publications, [10.22115/SCCE.2023.359399.1517](https://doi.org/10.22115/SCCE.2023.359399.1517)
 16. Pandimani, Sankar, T.S., Priyatham, B.P.R.V.S. and Ramkumar, B.A.V., 2023. Evaluation of SSI impact on the structural performance of RC buildings. *Asian Journal of Civil*

- Engineering, pp.1-13, Scopus (Q3), Springer publication, <https://doi.org/10.1007/s42107-023-00844-6>.
17. Ravindiran, G., Rajamanickam, S., Ramalingam, M., Hayder, G., Sathaiah, B.K., Gaddam, M.K.R., Muniasamy, S.K. and Arunkumar, P., 2024. Conversion of seaweed waste to biochar for the removal of heavy metal ions from aqueous solution: A sustainable method to address eutrophication problem in water bodies. *Environmental Research*, 241, p.117551, Scopus & SCIE, Elsevier publication (Q1), <https://doi.org/10.1016/j.envres.2023.117551>.
 18. Palanisamy, P., Sivakumar, V., Velusamy, P. and Natarajan, L., 2024. Spatio-temporal analysis of shoreline changes and future forecast using remote sensing, GIS and kalman filter model: A case study of Rio de Janeiro, Brazil. *Journal of South American Earth Sciences*, 133, p.104701, Scopus & SCIE, Elsevier publication (Q2), <https://doi.org/10.1016/j.jsames.2023.104701>.
 19. Priyanka, E.B., Vivek, S., Thangavel, S., Sampathkumar, V., Al-Zaqri, N. and Warad, I., 2024. Forecasting and meta-features estimation of wastewater and climate change impacts in coastal region using manifold learning. *Environmental Research*, 240, p.117355, Scopus & SCIE, Elsevier publication (Q1), <https://doi.org/10.1016/j.envres.2023.117355>.
 20. Vivek, S., Umamaheswari, R., Subashree, P., Rajakumar, S., Mukesh, P., Priya, V., Sampathkumar, V. and Logesh, N., 2024. Study on groundwater pollution and its human impact analysis using geospatial techniques in semi-urban of south India. *Environmental Research*, 240, p.117532, Scopus & SCIE, Elsevier publication (Q1), <https://doi.org/10.1016/j.envres.2023.117532>.
 21. Agnes, S.A., Solomon, A.A. and Karthick, K., 2024. Wavelet U-Net++ for accurate lung nodule segmentation in CT scans: Improving early detection and diagnosis of lung cancer. *Biomedical Signal Processing and Control*, 87, p.105509. Elsevier Publication (Q1), <https://doi.org/10.1016/j.bspc.2023.105509>.
 22. Mahajan, K.A., Priyatham, B.P.R.V.S., Dhariwal, S.C., Jose, J.P.A., Rao, G.M., Nakkeeran, G. and Kumar, G.P., 2024. Machine learning optimization and prediction of waste glass used as partial replacement of coarse aggregate in concrete. *Asian Journal of Civil Engineering*, 25(1), pp.965-975. Springer publication, Scopus (Q3), <https://doi.org/10.1007/s42107-023-00825-9>.
 23. Pandimani, Rao, Y.D. and Krishna, I.G., 2023. FE modeling for ultimate behavior predictions of RC beam. *Asian Journal of Civil Engineering*, pp.1-17, Springer publication, Scopus (Q3), <https://doi.org/10.1007/s42107-023-00789-w>.
 24. Ramasamy, S., Deivasigamani, V., Soundararajan, E.K. and Sridhar, J., 2024. Influence of nano silica on impact resistance and durability of fly ash concrete in structural buildings. *Matéria (Rio de Janeiro)*, SCIE & Scopus indexed, Q4, 29, p.e20230340. <https://doi.org/10.1590/1517-7076-RMAT-2023-0340> [FEB-2024]
 25. Ram Kumar, B.A.V. and Ramakrishna, G., 2024. Sustainable use of red mud and reclaimed asphalt pavement wastes in roller compacted concrete. *International Journal of Pavement Research and Technology*, 17(2), pp.291-305. Scopus & ESCI, Q2, Springer publications. <https://doi.org/10.1007/s42947-022-00236-0>
 26. Savarimuthu, L.J., Victor, K., Davaraj, P., Pushpanathan, G., Kandasamy, R., Pushpanathan, R., Vinayagam, M., Barathy, S. and Sivakumar, V., 2024. Solar Energy Prediction Based on Intelligent Predictive Controller Algorithm. *Pertanika Journal of Science & Technology*, Volume 32, Issue S1, December 2024. Universiti Putra Malaysia Press. Q3, Scopus and ESCI. DOI: <https://doi.org/10.47836/pjst.32.S1.05>
 27. Revathy Subbiah Rajaram, Padaga Kumar Babu, Kirubakaran Victor, Raja Kandasamy, Ganeshan Pushpanathan, Vivek Sivakumar, Ramshankar Pushpanathan, Mohanavel Vinayagam and Sachuthananthan Barathy. Fuzzy Logic-based Power Optimizer for Solar Photovoltaic Power Systems, 2024. *Pertanika Journal of Science & Technology*, Volume 32, Issue S1, December 2024, PP:93-110. Universiti Putra Malaysia Press. Scopus and ESCI, Q3. DOI: <https://doi.org/10.47836/pjst.32.S1.06>.

28. Penki R., Sandeep J., Kaushiki M., Mahesh K. 2024. Conceptual Integration of Transparent Concrete with Other Forms of Concrete to Develop a Holistic Sustainable Green Material: Energy Saving. *Indian Journal of Environmental Protection*. Volume 44, issue 1, pp. 74-81. Scopus, Q4. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187691780&partnerID=40&md5=08f077bf64554354ed9981a7084eb68a>.
29. Kalabarige, L.R., Sridhar, J., Subbaram, S., Prasath, P. and Gobinath, R., 2024. Machine Learning Modeling Integrating Experimental Analysis for Predicting Compressive Strength of Concrete Containing Different Industrial Byproducts. *Advances in Civil Engineering*, 2024.Scopus & SCIE, Q3. 10.1155/2024/7844854
30. Kadhar, S.A., Gopal, E., Sivakumar, V. and Anbarasu, N.A., 2024. Optimizing flow, strength, and durability in high-strength self-compacting and self-curing concrete utilizing lightweight aggregates. *Matéria (Rio de Janeiro)*, Volume 29, issue 1, p.e20230336. Scopus and SCIE, Q4. 10.1590/1517-7076-RMAT-2023-0336
31. Ganapathy, G.P., Kaliyappan, S.P., Ramamoorthy, V.L., Shanmugam, S., AlObaid, A., Warad, I., Velusamy, S., Achuthan, A., Sundaram, H., Vinayagam, M. and Sivakumar, V., 2024. Low alkaline vegetation concrete with silica fume and nano-fly ash composites to improve the planting properties and soil ecology. *Nanotechnology Reviews*, 13(1), p.20230201. Scopus and SCIE, Q1. 10.1515/ntrev-2023-0201
32. Ravindiran, G., Keshav, L., Senthil Kumar, P., Ganapathy, G.P. and Rangasamy, G., 2023. Production of bio briquettes from gloriosa superba wastes-turmeric leaves (GSW-TL) with cassava starch binder for environment sustainability. *Waste and Biomass Valorization*, pp.1-20. Scopus, SCIE, Q2. <https://doi.org/10.1007/s12649-023-02185-6>
33. Subashree, P., Vivek, S., Muthukumar, N., 2024. Unleashing the Flexural Behavior of Ceramic Hybrid Rubber Reinforced Composites for Sustainable Industry. *J. Environ. Nanotechnol*, 13(1), pp.78-84. Scopus, Q3. <https://doi.org/10.13074/jent.2024.03.241509>.
34. Srinivasan, K., Vivek, S. and Mujiburrahman, K., 2024. Investigation of Microstructural Properties of Nano-modified Concrete for Sustainable Environment. *J. Environ. Nanotechnol*, 13(1), pp.41-47. Scopus, Q3. <https://doi.org/10.13074/jent.2024.03.241501>.
35. Krishna, U.S.R., Badiger, M., Chaudhary, Y., Gowri, T.V. and Devi, E.J., 2024. Optimizing roads for sustainability: Inverted pavement design with life cycle cost analysis and carbon footprint estimation. *International Journal of Transportation Science and Technology*. Elsevier, Q1, Scopus +ESCI. <https://doi.org/10.1016/j.ijtst.2024.04.008>
36. Ambika, D., Vivek, S., Sampathkumar, V. and Anandakumar, S., 2024. Coastline and geomorphological deviations using DSAS techniques over the past 5 decades (1972–2022) in Tirunelveli District, Tamil Nadu, India. *Environment, Development and Sustainability*, pp.1-16. Springer, Q1, Scopus +SCIE. <https://doi.org/10.1007/s10668-024-04937-3>.
37. Ramu, P., Rout, S.K. and Das, A.K., 2024. Optimizing bio-bitumen mixes through response surface methodology. *Ecocycles*, 10(1), pp.68-83. Q4, Scopus. DOI: 10.19040/ecocycles.v10i1.413.
38. Maguteeswaran, R., Sridhar, J., Gangadevi, R., Malathi, N., Sujatha, M. and Sivakumar, V., 2024. Prediction of moment capacity of ferrocement composites with chicken mesh and steel slag using response surface methodology and artificial neural network. *Matéria (Rio de Janeiro)*, 29(2), p.e20230364. Q4, Scopus+SCIE. DOI: <https://doi.org/10.1590/1517-7076-RMAT-2023-0364>
39. Hemalatha, B., Sashikkumar, M.C., Vivek, S., Ramesh, S., Babu, M.D., Laxmipriya, S. and Priya, V., 2024. Experimental study of biodegradability of organic waste with industrial waste combined with effluents: A comparison by vermicomposting technology. Q3, Scopus + SCIE. <https://doi.org/10.30955/gnj.005480>.
40. Eddula, S.V., Peraka, N.S.P. and Biligiri, K.P., 2023. Stakeholder-oriented optimization of pavement maintenance interventions using multi-criteria decision-making approach. *International Journal of Pavement Research and Technology*, pp.1-13. Springer, Q2, Scopus + ESCI, DOI<https://doi.org/10.1007/s42947-022-00269-5>.

41. Penki, R., Rout, S.K. and Das, A.K., 2022. Computational Techniques for Proportioning of Aggregates in Bituminous Mix Design. *International Journal of Pavement Research and Technology*, pp.1-13. Springer, Q2, Scopus + ESCI. DOI<https://doi.org/10.1007/s42947-022-00264-w>
 42. Arun Solomon, A., Hemalatha, G., Sudheer, G., Shelton, J. and Carmichael, J., 2022. Exploring the impact of EPS incorporation on insulated concrete form (ICF) wall panels under axial compression and flexure. *Journal of King Saud University-Engineering Sciences*. Elsevier publications, Q1, Scopus. <https://doi.org/10.1016/j.jksues.2022.04.002>.
-

July 2022-June 2023

National Conferences:

1. Haridas, A. K., Peraka, N S P., and Biligiri, K. P. "DOTNET: A Design Overlay Thickness Prediction Model for Asphalt Pavements using Deep Neural Network Architecture", National Conference on Resilient Infrastructure (NCRI 2022), organized by Kerala Highway Research Institute (KHRI) in association with Indian Institute of Technology Palakkad, India, 16-17 September 2022.

International Conferences:

1. Gokulan R, "Biosorption of Chromium (VI) From Water Environment by Continuously Mixed Batch Reactor Using TFS" Virtual International Conference on Sustainable Practices and Innovations in Civil Engineering 2022, Department of Civil Engineering, SSN College of Engineering, Kalavakkam, Tamil Nadu , India, 16th and 17th March.
2. Kanta Naga Rajesh and Ponnada Markandeya Raju, "Performance of Recycled Plastic Waste and Used Foundry Sand as a Replacement of Fine Aggregate in Concrete", Recent Developments in Sustainable Infrastructure (ICRDSI-2020)–Structure and Construction Management, Lecture Notes in Civil Engineering 221, Kalinga Institute of Industrial Technology, Bhubaneshwar, 19-21st December-2020, https://doi.org/10.1007/978-981-16-8433-3_61, (Indexed in Scopus, IF: 0.11), Springer-2022.
3. Kanta Naga Rajesh, J. Teena and Ponnada Markandeya Raju, (2022), " A Review on Performance of Cenosphere Utilization in Concrete ", International Conference on Emerging Trends in Materials Science and Technology-2022(ICETMT-22), 10-11th February-2022, CMR Institute of Technology, Materials Today: Proceedings (Indexed in Scopus, IF: 0.34), Vol. 62, Part 8, pp. 5567-5570, <https://doi.org/10.1016/j.matpr.2022.04.560>, ISSN: 22147853.
4. 1. Manohar, T., Rao, N.V., Giri, J.P," Utilization of Different Supplementary Cementitious Materials and Recycled Concrete Aggregate for Stabilization of Pavement Base Layer", Proceedings of Indian Geotechnical and Geoenvironmental Engineering Conference (IGGEC) 2021, Vol. 2. IGGEC 2021. Lecture Notes in Civil Engineering, vol 281. Springer, Singapore. (indexed in Scopus,Q4) (ISSN: 978-981-19-4731-5) (https://doi.org/10.1007/978-981-19-4731-5_12)

International Journals:

1. Ganapathy, G.P., 2022. Axial compressive behaviour of CFST column externally reinforced by CFRP strips—A design of experiments approach. *Journal of Reinforced Plastics and Composites*, 41(23-24), pp.946-962. <https://doi.org/10.1177%2F07316844221085653>, (Indexed in SCI, I.F: 3.71, Q1)
2. Ganesh Prabhu Ganapathy, Lakshmi Keshav, Gokulan Ravindiran, and Nasar Ali Razack. "Strength Prediction of Self-Consolidating Concrete Containing Steel Fibre with Different Fibre Aspect Ratio", *Journal of Nanomaterials*, Hindawi Publications, Volume 2022, Article ID 7604383, <https://doi.org/10.1155/2022/7604383>, (Indexed in SCI, I.F: 2.986, Q2)
3. Arun Solomon, A., Hemalatha, G., Sudheer, G., Shelton, J.J., Carmichael, M.J., "Exploring the impact of EPS incorporation of on insulated concrete form (ICF) wall panels under axial compression and flexure", *Journal of King Saud University - Engineering Sciences*, April-2022, doi: <https://doi.org/10.1016/j.jksues.2022.04.002>. (Indexed in Scopus,Q1)
4. Priyadarshini, M. and Giri, J. P. (2022). "Use of Recycled Foundry Sand for the Development of Green Concrete and Its Quantification." *Journal of Building Engineering*, Elsevier Publication, (Published online), DOI: <https://doi.org/10.1016/j.job.2022.104474>, (SCI, Q1),
5. Jayaprakash Sridhar, Ravindran Gobinath & Mehmet Serkan Kirgiz, "Comparative study for efficacy of chemically treated jute fiber and bamboo fiber on the properties of reinforced concrete beams", *Journal of Natural Fibres*, pp 1-11, April 2022. (ISSN No.: 15440478.) (Indexed in:SCI,Q1) (Impact Factor:5.323), <https://www.tandfonline.com/doi/abs/10.1080/15440478.2022.2054894?journalCode=wjnf20>.
6. Srinivasan K , Bobbili Aravind S A, Gokulan R, Jodhi C, Muralikrishnan R, Ragunath S, Zunaithur Rahman D R, and Nasar Ali R , "Decolourization of Reactive Red 120 Using Agro Waste-Derived Biochar", *Advances in material sciences and engineering*, Vol. 2022, Article ID 2689385, (Indexed in SCI, I.F: 1.726, Q2), (ISSN No: 1687-8434), <https://doi.org/10.1155/2022/2689385>.
7. Srinivasan K, Bobbili Aravind S, Gokulan R, Balakumar S, Muralikrishnan R, Janakani Uday B , Bonu R, and Nasar Ali R (2022), "Effective Removal of Reactive Yellow 145 (RY145) using Biochar Derived from Groundnut Shell", *Advances in material sciences and engineering*, Vol. 2022, Article ID 2689385, (Indexed in SCI, I.F: 1.726, Q2), (ISSN No: 1687-8434) <https://doi.org/10.1155/2022/8715669>.
8. Ganesh Prabhu Ganapathy, " Effect of Fibre Aspect-Ratio on the Fresh and Strength Properties of Steel Fibre Reinforced Self-Compacting Concrete". *Advances in material sciences and engineering*, Hindawi Publications, Vol. 2022, Article ID 1207273, 8 pages, <https://doi.org/10.1155/2022/1207273> , (Indexed in SCI, I.F: 1.726, Q2), (ISSN No: 1687- 8434).
9. Gokulan R, Kalyani G, and Killi S, "Experimental Investigation on Reactive Orange

- 16 Removal Using Waste Biomass of *Ulva prolifera*”, *Advances in material sciences and engineering*, Vol. 2022, Article ID 2689385, <https://doi.org/10.1155/2022/7323588> (Indexed in SCI, I.F: 1.726, Q2), (ISSN No: 1687-8434).
10. Gokulan R, Kalyani G, and Killi S, “Removal of Reactive Red 120 in a Batch Technique Using Seaweed-Based Biochar: A Response Surface Methodology Approach”, *Journal of Nanomaterials*, Hindawi Publications, Volume 2022, Article ID 7604383, <https://doi.org/10.1155/2022/3621807>, (Indexed in SCI, I.F: 2.986, Q2)
11. Vijayakumar Arumugam, Lakshmi Keshav, Aravindan Achuthan , and Somashekar Dasappa, “Seismic Evaluation of Advanced Reinforced Concrete Structures”, *Advances in Materials Science and Engineering*, Volume 2022, Article ID 4518848, 8 pages, <https://doi.org/10.1155/2022/4518848> (SCIE indexed, IF:1.726, Q2).
12. Jayaraju Raja Murugadoss, Nachimuthu Balasubramaniam, Ravindiran Gokulan, Kanta Naga Rajesh, Gurusamy Pandian Sreelal, Pupalwad Arti Sudam, Dhaleelur Rahman Zunaithur Rahman, Razack Nasar Ali, (2022), "Optimization of River Sand with Spent Garnet Sand in Concrete Using RSM and R Programming Packages", *Journal of Nanomaterials*, vol. 2022, Article ID 4620687, 8 pages, June-2022. (Hindawi, Indexed in SCIE, IF: 2.986,Q2) -ISSN: 0253- 7141, <https://doi.org/10.1155/2022/4620687>.
13. G. Madhava Krishna Reddy, M. Mounika, P. Vishnu Priya “Experimental and Correlation Study of Destructive and Non-Destructive Testing on Blended Concrete with Metakolin and Bagasse ash”, *International Journal of Health Sciences*, Special Issue: II, pp 2838-2857, June 2022. (ISSN No.: 2550-696X) (Indexed in: Scopus).<https://sciencescholar.us/journal/index.php/ijhs/article/view/8568>
14. G. Madhava Krishna Reddy, P. Jakeer Hussain, S. Sushma Poornima & M. Satyanath “Design and Planning of G+3 Residential Building with Duplex and Floating Column Technique”, *Journal of Optoelectronics Laser*, Vol. 41 Issue No. 6, pp 284-294, June 2022. (ISSN No.: 1005- 0086) (Indexed in: Scopus) (Impact Factor: 0.144, h-index: 23, Q4 Journal). <http://www.gdzjg.org/index.php/JOL/article/view/522>
15. B.A.V. Ram kumar, G. Ramkrishna (2022), “Performance evaluation of sustainable materials in roller compacted concrete pavements: A state of art review”, *Journal of Building Pathology and Rehabilitation*, Accepted in June 2022, (Springer publication, Scopus indexed-Q2). DOI: 10.1007/s41024-022-00212-y.
16. Preetha Achuthan Ganapathy Ganesh Prabhu, George Gabriel Vimal Arokiaraj, Panneerselvam Arul Sivanantham, and Subramanian Suthagar, “Axial Compression Performance of Concrete- Filled Steel Tubular Columns with Different D/t Ratios”, *Advances in Materials Science and Engineering*, Hindawi Publication, Volume 2022, Article ID 9170525, <https://doi.org/10.1155/2022/9170525>. (Indexed in: SCI, Q2)(IF:2.098)
17. Omrane Benjeddou, Malek Jedidi , Mohamed Amine Khadimallah , Gobinath Ravindran and Jayaprakash Sridhar,” Effect of *Posidonia oceanica* Fibers Addition on the Thermal and Acoustic Properties of Cement Paste”, *Buildings*, Vol.12, Issue No.909, pp 1-16, June 2022 (ISSN No. 2075- 5309)(Indexed

in:SCI,Q1)(IF:3.32)(Link: <https://www.mdpi.com/2075-5309/12/7/909>).

18. Batna Anantha Venkata Ram Kumar, Lakshmi Keshav, Panneerselvam Arul Sivanantham, George Gabriel Vimal Arokiaraj, Dhaleelur Rahman Zunaithur Rahman, Puchhakatla Madan Kumar, Dasappa Somashekar, "Comprehensive Characterization of Ferrochrome Slag and Ferrochrome Ash as Sustainable Materials in Construction", *Journal of Nanomaterials*, vol. 2022, Article(Indexed in SCI,Q2) ID 8571055, 12 pages, 2022. <https://doi.org/10.1155/2022/8571055>
19. Aswani K. Haridas, Naga Siva Pavani Peraka, and Krishna Prapoorna Biligiri. "A Deep Neural Network Approach to Predict Overlay Thickness of Asphalt Pavements Using Deflection Parameters and Estimated Traffic", *ASCE Journal of Transportation Engineering, Part B: Pavements*, vol No. 148, Issue No. 3, pp 04022041-1-9, September 2022. (ISSN No. 2573-5438) (Indexed in: SCI/SCIE,Q2) (Impact factor: 1.912) (DOI: 10.1061/JPEODX.0000388).
20. S H Vamsi Krishna, B H S Sai Prasanth , R Sai Chandu "Biological Aspects of Microbial-Induced Calcite Precipitation", *NeuroQuantology* Volume: 20 Issue: 8, June 2022 e- ISSN: 1303-5150 doi: 10.14704/nq.2022.20.8.NQ44068 (Indexed in SCOPUS)
21. S H Vamsi Krishna, B H S Sai Prasanth , R Sai Chandu "Biocalcification For Stabilisation Of Iron Mine Tailings" *NeuroQuantology*, Volume: 20 Issue: 8, June 2022 e- ISSN: 1303-5150 doi: 10.14704/nq.2022.20.8.NQ44067 (Indexed in SCOPUS).
22. B.P.R.V.S.Priyatham, D.Chaitanya, Girma Eshete, "Study on Response of Regular RC Space Frames Subjected to Equivalent Static Blast Load", *Advances in Material Science and Engineering*, Vol. No., Issue No.2022, August 2022. (Indexed in: SCI;Q2) (Impact Factor:2.098).(DOI: <https://doi.org/10.1155/2022/1245126>).
23. B.A.V. Ram Kumar, G.Ramakrishna, Performance evaluation of sustainable materials in roller compacted concrete pavements: a state-of-the-art review. *Journal of Building Pathology and rehabilitation*, Q2, scopus indexed, 7,78, (2022). <https://doi.org/10.1007/s41024-022-00212-y>.
24. Muthumani Soundararajan, Shanmugam Balaji, Jayaprakash Sridhar * and Gobinath Ravindran, "Sustainable Retrofitting and Moment Evaluation of Damaged RC Beams Using Ferrocement Composites for Vulnerable Structures", *Sustainability*, Vol.14, Issue No.9220, pp 1- 16, July 2022 (ISSN 2071-1050) (Indexed in SCI,Q2) (IF:3.251) (Link: <file:///C:/Use>)
25. Karanam Raviteja, Manoj kumar Pujari, "Effect of LULC changes on surface runoff in Brahmani River basin using Soil and Water Assessment tool (SWAT)", *International Journal of health Sciences Special Issue VI* , July 2022 ISSN: 2651-4451 e- ISSN: 2550-696X. <https://doi.org/10.53730/ijhs.v6nS6.10487> (Indexed in SCOPUS and ESCI) (Impact factor: 0.453)
26. Karanam Raviteja, Vamsi Krishna, "Effect of Ocean surface temperature change on Tropical Cyclone Intensity", *Neuroquantology Inter disciplinary Journal of Neuro science and Quantum Physics* Volume: 20 Issue: 6, June 2022 e- ISSN: 1303-5150 doi: 10.14704/nq.2022.20.6.NQ22712 (Indexed in SCOPUS and ESCI)
27. Jayaprakash Sridhar, Ganesh Bhausahab Shinde, D Vivek, Khalida Naseem, Piyush Gaur, Pravin P Patil, and Misganaw Tesfaye Tesema, "Response Surface Methodology Approach to Predict the Flexural Moment of Ferrocement Composites with Weld Mesh and Steel Slag as Partial Replacement for Fine Aggregate", *Advances in Materials Science and Engineering*, Vol.2022, 9 Pages, August 2022, <https://downloads.hindawi.com/journals/amse/2022/9179480.pdf> (Indexed in

SCI,IF:2.09,Q2)

28. Jayaprakash Sridhar, Dhanapal Jegatheeswaran and Ravindran Gobinath, "A DOE (Response Surface Methodology) Approach to Predict the Strength Properties of Concrete Incorporated with Jute and Bamboo Fibres and Silica Fumes", *Advances in Civil Engineering*, Vol.2022, 13 Pages, September 2022, <https://downloads.hindawi.com/journals/ace/2022/1150837.pdf> (ISSN: 1687-8094 (Online))(Indexed in SCI, IF:1.843, Q2)
29. S Akila Agnes, J Anitha, A Arun Solomon, Two-stage lung nodule detection framework using enhanced UNet and convolutional LSTM networks in CT images, *Computers in Biology and Medicine* 149,2022,106059,) <https://www.sciencedirect.com/science/article/pii/S0010482522007727> (SCI indexed, IF:6.698, Q1)
30. sandeep Jogiparthi, Ramu Penki, "A Review on the Development and Need of Bicycle Level of Service" *Journal of Transportation Systems*, Vol. 7 No. 3 (2022), pp1-5, Mat Publishers. <https://doi.org/10.46610/JoTS.2022.v07i03.001> (Non Indexed)
31. Boddepalli Teja Babu, Ramu Penki, Jyoti Prakash Giri, Jogiparthi Sandeep, "Estimation of Pedestrian Level of Service by Using Inverse Variance Method in Visakhapatnam Urban ", *Journal of Transportation Systems*, Vol. 7 No. 3 (2022), pp6-17, Mat Publishers (Non Indexed)
32. Penki Ramu, Basina Sai Santosh & Tanniru Srinivasarao, " Application of geographical information system-based analytical hierarchy process modeling for flood susceptibility mapping of Krishna District in Andhra Pradesh". *Environ Sci Pollut Res* 2022,. <https://doi.org/10.1007/s11356-022-22924-x>.(SCI).(SCI,IF:5.053,Q1)
33. Penki Ramu, B. Sai Santosh and K. Chalapathi, "Crop-land suitability analysis using geographic information system and remote sensing", *Progress in Agricultural Engineering Sciences*, 02 Sep 2022, <https://doi.org/10.1556/446.2022.00050>.(Scopus, IF:0.84, Q4)
34. P. Madan Kumar, B A V Ram Kumar, Use Of Ferrochrome Ash as Replacement Cement Concrete Pavements – A Review, *EPR International Journal of Research and Development (IJRD)*, Volume: 7 | Issue: 8 | August 2022. DOI: <https://eprajournals.com/IJSR/article/7447> (Non Indexed)
35. Venkat Saravanan, R. Yuvaraja, L. Andal, R. Gokulan*, Batch, thermodynamic, and regeneration studies of Reactive Blue 19 using *Ulva reticulata* (biochar), *Desalination and Water Treatment*, 267 (2022) 231–239, [doi:10.5004/dwt.2022.28667](https://doi.org/10.5004/dwt.2022.28667) (SCI, I.F: 2.34, Q3)
36. Ram Kumar B.A.V., Ramakrishna, G. Sustainable Use of Red Mud and Reclaimed Asphalt Pavement Wastes in Roller Compacted Concrete, *International Journal of Pavement Research and Technology*, October 2022, <https://doi.org/10.1007/s42947-022-00236-0> (Scopus, IF:1.66, Q2).
37. Penki Ramu, B. Sai Santosh and K. Chalapathi, "Crop-land suitability analysis using geographic information system and remote sensing", *Progress in Agricultural Engineering Sciences*, 02 Sep 2022, <https://doi.org/10.1556/446.2022.00050>.(Scopus, IF:0.8, Q4)
38. Ramu Penki, Kota Komal Kumar and Vechalapu Srinivasarao, "Modeling of Bituminous concrete Job mix formula design using Path Variate Analysis and Interval method", *IOP Conference Series: Earth and Environmental Science*, <https://doi.org/10.1088/1755-1315/1086/1/012026> (Scopus, IF:0.45, Q4; Quatitle: NIL)
39. Raganath S, Srinivasa Rao Y, Sujatha. S, Gokulan R*, "Synergistic removal of 1-(4-

- Hydroxy-3-Methoxyphenyl) ethenone (Apocynin) with enhanced immobilized and suspended Sr-doped LaNiO₃ based photo-catalytic membrane reactor under gamma irradiation", Global Nest Journal, November 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632), DOI: <https://doi.org/10.30955/gnj.004508>
40. Sathees Kumar. V, Gokulan. R, Geetha. M.B, Zunaithur Rahman. D "Biosorption of heavy metal ions from the aqueous solutions using groundnut shell activated carbon: batch adsorption, kinetic and thermodynamic studies", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632), DOI: <https://doi.org/10.30955/gnj.004491>
 41. Hariharan. T, Gokulan. R, Venkat Saravanan. R, Zunaithur Rahman. D, "Batch and Packed Bed Column Studies of Azo Dyes Adsorption from the Aqueous Solutions Using Activated Sugarcane Bagasse Charcoal Adsorbent: Isotherm and Kinetic Studies", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632), DOI: <https://doi.org/10.30955/gnj.004492>
 42. S. Ragnath, B Aravind Sai Atchyuth, GVR Seshagiri Rao, R. Gokulan*, "Biodecolorization of Remazol Black B using Biochar produced from Coconut Shell: Batch, Desorption, Isotherm and Kinetic Studies", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632), DOI: <https://doi.org/10.30955/gnj.004502>
 43. Gokulan. R*, Kavipriya. S Krishnakumar. S Dineshkumar. R Krishnapriya. S Pradeepa Sri. G, "Extraction of biodiesel from wastewater using microalgae *Chlorella Vulgaris*", Global NEST Journal, November 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632), DOI: <https://doi.org/10.30955/gnj.004547>
 44. Penki Ramu, M Sai Bhargavi, T Srinivasarao, "A review of challenges and solutions in adopting a participatory geographical information system for disaster management", *Ecocycles*, Vol. No.8, Issue No.2, pp 64-73, Nov 2022. (ISSN No.:2416-2140) (Indexed in: Scopus, Q4) (Impact Factor: 0) (<https://doi.org/10.19040/ecocycles.v8i2.245>)
 45. Kanta Naga Rajesh, Ponnada, M.R. & Mishra, K. Application of response surface method for optimization of alkali activated slag concrete mix with used foundry sand as partial replacement of sand. *Sādhanā* 47, 269 (2022). <https://doi.org/10.1007/s12046-022-02040-9>
9. (Sadhana-Indian Academy of Sciences, Indexed in SCI, IF:0.39, Q2) - Online ISSN: 0973-7677, Print ISSN: 0256-2499, <https://rdcu.be/c1hJa>.
46. Senthil Rajan M, Ramesh Kumar G, Vivek S, **Gokulan R***, Balaji G (2022), "**Biosorption of chromium (VI+) using tamarind fruit shells in continuously mixed batch reactor**", Global Nest Journal, November 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632) DOI: <https://doi.org/10.30955/gnj.004561>
 47. Siva Gowri Prasad S., P.V.V. Satyanarayana, "Problems Due to Expansive Soils and Their Remedies", *NeuroQuantology*, Vol. No.20, Issue No.12, pp 2707-2712, Oct. 2022. (ISSN No.:1303-5150) (Indexed in: Scopus, Q3) (Impact Factor: 0.29) (<https://www.neuroquantology.com/article.php?id=8845>)
 48. Siva Gowri Prasad S., P.V.V. Satyanarayana, "A Study on Stabilization of Soil Using Cement Kiln Dust", *NeuroQuantology*, Vol. No.20, Issue No.15, pp 2009-2013, Nov. 2022. (ISSN No.:1303-5150) (Indexed in: Scopus, Q3) (Impact

49. **Penki Ramu**, SK Rout, Aditya Kumar Das, “Computational Techniques for Proportioning of Aggregates in Bituminous Mix Design”, International Journal of Pavement Research and Technology, December 2022. (ISSN No.1997-1400) (Indexed in: Scopus, Q1) (Impact Factor: 4.5) (<https://doi.org/10.1007/s42947-022-00264-w>).
50. Ilavarasan N, Srinivasa Rao Y, Gokulan R*, Aravindan A, (2022), "Investigation of Copper Ion adsorption using Activated Sawdust Powder: Isotherm, Kinetic and Thermodynamic studies", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632), DOI: <https://doi.org/10.30955/gnj.004496>
51. 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", Global NEST Journal, November 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632), DOI: <https://doi.org/10.30955/gnj.004497>
52. V. Sathees Kumar, J Raja Murugadoss, R Gokulan*, S. Ramkumar, "Studies on Influence of Process Parameters in Upgradation of Bio-oil Derived from HTL of Domestic household waste: Application of Response Surface Methodology", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632), DOI: <https://doi.org/10.30955/gnj.004445>.
53. Sai Vighnesh Eddula, Naga Siva Pavani Peraka & Krishna Prapoorna Biligiri,” Stakeholder- Oriented Optimization of Pavement Maintenance Interventions Using Multi-Criteria Decision- Making Approach”, International Journal of Pavement Research and Technology, January 2023 (Impact factor: 1.66) (ISSN: 1997-1400) (Indexed in Scopus, Q2) (DOI: <https://doi.org/10.1007/s42947-022-00269-5>)
54. Jayaprakash Sridhar, Ravindran Gobinath & Mehmet Serkan Kirgiz,” Evaluation of Artificial Neural Network Predicted Mechanical Properties of Jute and Bamboo Fiber Reinforced Concrete Along with Silica Fume”, Journal of Natural Fibres, Vol. 20, No. 1, pp.20 pages, 05/01/2023. (ISSN No.: 1544-046X) (SCI, Q1, IF: 3.50) (Q2) <https://doi.org/10.1080/15440478.2022.2162186>)
55. Settiannan Karuppanan Maniarasan, Palanisamy Chandrasekaran , Sridhar Jayaprakash and Gobinath Ravindran,” Influence of Slag-Based Geopolymer Concrete on the Seismic Behavior of Exterior Beam Column Joints”, Sustainability, No.15, pp 15 pages, January 2023 (Impact factor: 3.889) (Indexed in SCI, Scopus, Q1) (ISSN: 2071-1050) (DOI: <https://doi.org/10.3390/su15032327>)
56. Kumar M., Gokulan R., Sujatha S., Shanmuga Priya S.P., Praveen S., Elayaraja S., “Biodecolorization of Reactive Red 120 in batch and packed bed column using biochar derived from Ulva reticulata”, Biomass Conversion and Biorefinery, 2023 (Impact factor: 4.05) (Indexed in SCI, Q2) (ISSN: 2190-6815) (doi.org/10.1007/s13399-020-01268-x)
57. Sundar M.L., Aravindan A., Sujatha S., Mahendran S., Kalyani G., Rahman D.Z., Vijayakumar A., Kumar M.S.,” Biochar derived from Caulerpa scalpelliformis for the removal of Reactive Yellow 81 in batch and packed bed column, Biomass Conversion and Biorefinery, 2023 (Impact factor: 4.05) (Indexed in SCI, Q2) (ISSN: 2190-6815) (DOI: <https://doi.org/10.1007/s13399-020-01156-4>)
58. Pamila Ramesh, Vasanthi Padmanabhan, Praveen Saravanan & Bhagavathi Pushpa

- Thillainayagam “Batch Studies of Turquoise Blue Dye (TB) Adsorption onto Activated Carbon Prepared from Low- Cost Adsorbents: An ANN Approach” Biomass Conversion and Biorefinery, February 2021.(Impact factor:4.05)(Indexed in SCI,Q2)(ISSN: 2190-6815) (DOI: <https://doi.org/10.1007/s13399-021-01355-7>)
59. Sridhar J., Balaji S., Jegatheeswaran D., Awoyera P,” Prediction of the Mechanical Properties of Fibre-Reinforced Quarry Dust Concrete Using Response Surface and Artificial Neural Network”, Advances in Civil Engineering, Vol.2023, 13 Pages, January 2023, (Impact factor:1.843)(ISSN: 1687-8094)(Indexed inSCI,IF:1.843,Q2)(DOI:<https://doi.org/10.1155/2023/8267639>)
 60. Gokulan Ravindiran, Hemavathi Sundaram, Ezhilkumar Marimuthu Rajendran, Saravanan Ramasamy, Al-Zaqri Nabil, Boshala Ahmed, “Removal of azo dyes from synthetic wastewater using biochar derived from sewage sludge to prevent groundwater contamination”, Urban Climate,2023,101502,IF:6.63,SCI,IF:,Q1)(ISSN 2212-0955)(<https://doi.org/10.1016/j.uclim.2023.101502>)
 61. Mahendran S., Packialakshmi S., Al-Zaqri N., Boshala A., Krishnapriya S., Senthil Kumar M., Gokulan R., “ MTBE adsorption on surface modified adsorbent kaolin-KOH – A study on kinetic equilibrium and surface morphology”,2023, Global NEST Journal, 25(4), 86-94 (Indexed in SCI and Scopus, Q3) .(Impact Factor: 1.04) (ISSN: 1108-4006, 1790-7632)(<https://doi.org/10.30955/gnj.003058>)
 62. Rajeshkumar V., Chandrakanthamma L., Senthil Kumar M., and Gokulan R., “Enhancement of adsorption efficiency by surface modified Avocado seed for xylene removal”, Global NEST Journal, 25(3), 130-138.(Indexed in SCI and Scopus, Q3) .(Impact Factor: 1.04) (ISSN: 1108-4006, 1790- 7632)
 63. Inti Jagan, Pongunuru Naga Sowjanya, Kanta Naga Rajesh, “A review on alternatives to sand replacement and its effect on concrete properties” Materials Today: Proceedings,2023,(Scopus)(ISSN 2214-7853)(<https://doi.org/10.1016/j.matpr.2023.03.332>).
 64. S. Mahendran, R. Gokulan, A. Aravindan, H. Joga Rao, G. Kalyani, S. Praveen, T. Bhagavathi Pushpa, M. Senthil Kumar, "Production of Ulva prolifera derived biochar and evaluation of adsorptive removal of Reactive Red 120: batch, isotherm, kinetic, thermodynamic and regeneration studies”, Biomass Conversion and Biorefinery, April 2023. (Indexed in SCIE, IF: 4.88, Q2) (ISSN No: 190-6815) (<https://doi.org/10.1007/s13399-021-01483-0>)
 65. BPRVS Priyatham, DVSRK Chaitanya, Pakki Manoj Kumar, S Sivakumar, Prashant Sunagar, J Prakash Arul Jose, "Seismic analysis and design of steel beam-column connections in Indian standard code framework", Materials Today: Proceedings, 2023,<https://doi.org/10.1016/j.matpr.2023.03.365> (Scopus Indexed)
 66. Saravanan Praveen, Josephraj Jegan, Thillainayagam Bhagavathi Pushpa, Ravindiran Gokulan,(2021), “Evaluation of the adsorptive removal of cationic dyes by greening biochar derived from agricultural bio-waste of rice husk”, Biomass Conversion and Biorefinery, (ISSN No: 190-6815 (SCI,Q2) (Impact Factor: 2.68) (<https://doi.org/10.1007/s13399-021-01415-y>)
 67. A.Arun Solomon, J.Joel Shelton, C.Daniel, Turning Low-Density Polyethylene plastic waste into plastics bricks for sustainable development, Materials Today: Proceedings, 2023,<https://doi.org/10.1016/j.matpr.2023.03.482>(Scopus Indexed).
 68. A.Arun Solomon, M.Selvarathi, N.Anand, Influence of Supplementary Cementitious Materials on Stress-Strain behaviour and Toughness Characteristics of Concrete Subjected to Higher Temperature Exposure, Materials Today: Proceedings,2023, <https://doi.org/10.1016/j.matpr.2023.03.139>. (Scopus Indexed)

69. Priyanka Nyayapathi, Ramu Penki, Sai Santosh Basina, "Drought vulnerability assessment by employing the Geographical Information System and Analytical Hierarchy Process for the Kurnool district of Andhra Pradesh, India", 2023, *Ecocycles*, Vol.9(1), (Scopus, Q4) (ISSN 2416-2140) (<https://doi.org/10.19040/ecocycles.v9i1.262>)
70. Kumar, B.S., Srikanth, K., "A study on properties of pervious concrete with high-volume usage of supplementary cementitious materials as substitutes for cement". *Asian Journal of Civil Engineering*, 2023, (Scopus, Q3, IF: 0.397) (<https://doi.org/10.1007/s42107-023-00619-z>)
71. S. Akila Agnes, **A. Arun Solomon** and D. Joseph Charles Tamilmaran, Abusive Comment Detection in Social Media with Bidirectional LSTM Model, 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, IEEE Xplore, 2023, pp. 1368-1373, doi: 10.1109/ICSSIT55814.2023.10060887. (**Scopus Indexed**).
72. **A. Arun Solomon** S. Akila Agnes, Land-cover classification with hyperspectral remote sensing image using CNN and spectral band selection, *Remote Sensing Applications: Society and Environment*, Remote Sensing Applications: Society and Environment, Volume 31, August 2023, 100986, doi: <https://doi.org/10.1016/j.rsase.2023.100986>. (**Elsevier, ESCI, SJR:Q1, Scopus Indexed, IF:4.7**).
73. Ganesh Prabhu Ganapathy, Arjunan Alagu, Samundeeswari Ramachandran, Arul Sivanantham Panneerselvam, George Gabriel Vimal Arokiaraj, Mukesh Panneerselvam, Balamurugan Panneerselvam, Vivek Sivakumar, Butsawan Bidorn, "Effects of fly ash and silica fume on alkalinity, strength and planting characteristics of vegetation porous concrete", 2023, *Journal of Materials Research and Technology*, Vol.24, pp. 5347-5360, (Indexed in SCI and Scopus, Q1) (Impact Factor: 6.26) (ISSN: 2238-7854) (<https://doi.org/10.1016/j.jmrt.2023.04.029>)
74. Ganesh Prabhu Ganapathy, Theodore C. Haupt, Pandimani, "Engineering properties of SBS and crumb-rubber modified bitumen – a design of experiment approach", 2023, *Journal of Engineering, Design and Technology*, (Indexed in ESCI, Q2) (ISSN: 1726-0531) (<https://doi.org/10.1108/JEDT-01-2022-0037>)
75. B.P.R.V.S. Priyatham, M.T.S. Lakshmayya, D.V.S.R.K. Chaitanya, "Review on performance and sustainability of foam concrete", *Materials Today Proceedings*, 2023, (Published online) (Scopus) (<https://doi.org/10.1016/j.matpr.2023.04.080>)
76. B.A.V. Ram Kumar, G. Ramakrishna, "Performance evaluation of red mud as a construction material – A review", *Materials Today Proceedings*, 2023, (Published online) (Scopus) (<https://doi.org/10.1016/j.matpr.2023.04.043>)
77. Sridhar Jayaprakash, Vivek Deivasigamani, Gobinath Ravindran, "Influence of Prosopis juliflora ash in mechanical properties of concrete", *Materials Today Proceedings*, vol.80, pp.11681172 (Scopus, IF:1.46) (<https://doi.org/10.1016/j.matpr.2022.12.127>)
78. M. Lenin Sundar, G. Kalyani, R. Gokulan, S. Raguath, H. Joga Rao, (2021), "Comparative adsorptive removal of Reactive Red 120 using RSM and ANFIS models in batch and packed bed column", *Biomass Conversion and Biorefinery*, 2023, Vo.13, Pp. 5843–5859 (ISSN No: 190-6815 (Indexed in SCI, Q3) (Impact Factor: 2.68) (<https://doi.org/10.1007/s13399-021-01444-7>)
79. Pandimani, P. (2023), "Computational modeling and simulations for predicting the nonlinear responses of reinforced concrete beams", *Multidiscipline Modeling in Materials and Structures*, Vol. 19 No. 4, pp. 728-747 (ISSN No. 1573-6113) (SCI, Q4, IF:2.6)

<https://doi.org/10.1108/MMMS-09-2022-0193>

80. Ravindiran, G., Keshav, L., Senthil Kumar, P. *et al.* Production of Bio Briquettes from *Gloriosa Superba* Wastes-Turmeric Leaves (GSW-TL) with Cassava Starch Binder for Environment Sustainability. Waste and Biomass Valorization,2023.Pp 1-20,(ISSN No. 18772641)
(SCI,Q2,IF:3.4)(<https://doi.org/10.1007/s12649-023-02185-6>
81. U Siva Rama Krishna, Ch. Naga Satish Kumar “Analytical Modelling of Ultra-thin white topping cement concrete overlay on bituminous concrete pavement using ANSYS”, World Journal Engineering, 22nd February 2022. (ISSN:1708-5284) (In:Scopus,Q3)(IF:0.296)(DOI: <https://doi.org/10.1108/WJE-10-2021-0577>.)
82. Arun kumar B, Daniel C, Amudhan V, Sandya Devarajan, Tahara R M K, Arunraj E, Arun Solomon A, Energy Consumption of Composite Structure in Various Regions in India: A BIM Approach, Civil Engineering and Architecture, Vol. 11, No. 4, pp. 1776 - 1794, 2023. DOI: 10.13189/cea.2023.110410. (Scopus Indexed, SJR:Q2)
83. Muthumani Soundararajan, Sridhar Jayaprakash , S. K. Maniarasan, and Ravindran Gobinath, “Predicting Strength Properties of High-Performance Concrete Modified with Natural Aggregates and Ferroslag under Varied Curing Conditions”, Advances in Civil Engineering, Vol.2023,16 Pages, June 2023. (ISSN: 1687-8094) (Indexed in SCI,IF:1.843,Q2)(DOI: <https://doi.org/10.1155/2023/9960412>)

Book / Book Chapters :

1. R. Gokulan, S. Karthik, S. Pranavan, T R Nikhil, “Environmental Science and Engineering”, GCSPublishers (ISBN: 978-93-94304-77-2)

July 2021-June 2022:

International Conferences:

1. Gokulan Ravindiran, Bobbili Aravind Sai Atchyuth, Janakani Uday Bhargava Sai Vamsi, Bonu Ramesh, “**Batch Adsorption removal of Remazol Black B (RBB) dye using agricultural waste (Rice Husk) derived biochar**”, 1st International virtual conference on Innovations in Concrete and Construction (ICON 2021), Department of Civil Engineering, Sona College of Technology, Salem, Tamil Nadu, India, 25 to 26 th June 2021.
2. Bimalendu Dash, Bobbili Aravind Sai Atchyuth, Das Vamsi Krishna, Gedela Vinathi Tanmai, “**Bioremediation of Remazol Black B (RBB) dye using Groundnut shell derived biochar**”, 1st International virtual conference on Innovations in Concrete and Construction (ICON 2021), Department of Civil Engineering, Sona College of Technology, Salem, Tamil Nadu, India, 25 to 26 th June 2021.
3. Penki Ramu, Madhavi Banna, Akhilesh Patnaik K and Sri Divya A “**A Scientometric Analysis on Bio-bitumen**”, ICCME 2021, Jaypee University Of Information Technology, H.P, June 13-14, 2021.
4. Penki Ramu, Srinivasa Rao T, Vinod Naik G and Rapaka Aparna, “**Identification of parking sites in the Kukatpally region using GIS and AHP**”, ICCME 2021, Jaypee University of Information Technology, H.P, June 13-14, 2021.
5. Komal Kumar Kota and Penki Ramu, “**A Scientometric Analysis on Aggregate Blending**”, ICCME 2021, Jaypee University of Information Technology, H.P, June 13-14, 2021.
6. Giri, J. P., Priyadarshini, M. and Mahakhud, R., “**Variability in the Compressive Strength of Paving Blocks Using Waste Plastic**”. 2nd International Conference on

International Journals:

1. G. Kalyani, R. Gokulan, S. Sujatha, “**Biosorption of zinc metal ion in aqueous solution using biowaste of *Pithophora cleveana wittrock* and *Mimusops elengi***”, Desalination and Water Treatment, April 2021. Vol. 218, pp. 363-371. (Impact Factor: 1.32) (Indexed in SCI, IF: 1.34, Q3) (ISSN Print 1944-3994, ISSN Online 1944-3986) (DOI: <https://doi.org/10.5004/dwt.2021.27005>)
2. S. Mahendran, R. Gokulan, A. Aravindan, H. Joga Rao, G. Kalyani, S. Praveen, T. Bhagavathi Pushpa, M. Senthil Kumar, “**Production of *Ulva prolifera* derived biochar and evaluation of adsorptive removal of Reactive Red 120: batch, isotherm, kinetic, thermodynamic and regeneration studies**”, Biomass Conversion and Biorefinery, April 2021. (Indexed in SCIE, IF: 4.88, Q2) (ISSN No: 190-6815) (<https://doi.org/10.1007/s13399-021-01483-0>)
3. J. Raja Murugadoss, G. Kalyani, · R. Gokulan, P. Sivaprakasam, P. Maheendera Prabu, A. Aravindan, S. Praveen, M. Senthil Kuma, “**Biochar from waste biomass as a biocatalyst for biodiesel production: an overview**”, Applied Nanoscience, June 2021. (Indexed in SCIE, IF: 3.78, Q2) (ISSN /eISSN:2190-5509 / 2190-5517) (DOI: <https://doi.org/10.1007/s13204-021-01924-2>)
4. Kanta, N.R. and Ponnada, M.R. (2021), “**Performance of spent garnet sand and used foundry sand as fine aggregate in concrete**”, World Journal of Engineering, 21-June-2021, (Indexed in Scopus & ESCI Indexed, Q3) (ISSN: 1708-5284) (<https://doi.org/10.1108/WJE-10-2020-0514>)
5. S Sujatha, R Gokulan, H Joga Rao, G Kalyani, S Praveen, M Senthil Kumar (2021), “**Effective removal of remazol brilliant orange 3R using a biochar derived from *Ulva reticulata***”, Energy Source Part A: Recovery, Utilization and Environmental Effects, June 2021. (Indexed in: SCI, IF: 3.44 Q2) (ISSN No.: 1556- 7230) (<https://doi.org/10.1080/15567036.2021.1943070>)
6. S Praveen, R Gokulan J Jegan, T Bhagavathi Pushpa (2021), “**Techno-economic feasibility of biochar as biosorbent for basic dye sequestration**”, Journal of Indian Chemical Society. July 2021 (Indexed in: SCI, IF: 0.28, Q4), (ISSN No.: 0019-4522) (<https://doi.org/10.1016/j.jics.2021.100107>)
7. Penki, R, Rout, S.K, “**Next-generation bitumen: a review on challenges and recent developments in bio-bitumen preparation and usage**, *Biomass Conv. Bioref.* , August 2021, (Indexed in: SCI, IF: 4.99, Q2). (ISSN No: 190-6815) (<https://doi.org/10.1007/s13399-021-01803-4>)
8. R. Gokulan, S. Praveen, A. Avinash, S. Saravanan, “**Soft computing-based models and decolorization of Reactive Yellow 81 using *Ulva Prolifera* biochar**”, Chemosphere, Vol. 287, Article ID 132368, pp 1-12, 28th September 2021. (Indexed by Scopus & SCI, IF: 7.08, Q1) (ISSN No: 0045-6535) (<https://doi.org/10.1016/j.chemosphere.2021.132368>)
9. Rajesh, K.N., Raju, P.M. & Mishra, K., “**Performance of Alkali-Activated Slag-based Concrete with Partial Replacement of Fine Aggregate by Used Foundry Sand**”, Journal of Building Pathology and Rehabilitation, Vol. No.6, Issue No. 1, pp.1-7, Article No. 33, 27th September 2021. (ISSN: 2365-3159) (Indexed in Scopus) (<https://doi.org/10.1007/s41024-021-00127-0>).
10. B.P.R.V.S.Priyatham, D.V.S.R.K.Chaitanya, S.H.Vamsi Krishna, “**Effect of Lime and Brick Powder on the Engineering Properties of Black Cotton Soil**”, Design Engineering, Vol.No.2021, Issue No. 9, pp. 7227-7233, Dec 2021. (ISSN No.0011-9342) (Indexed in Scopus)

<http://thedesigengineering.com/index.php/DE/article/view/7802>.

11. Teja gedela and Ramkumar. B.A.V “**Roller compacted concrete for rigid pavements- A Review**”, International Journal of Innovative Research in Technology (IJIRT), Vol. 8, Issue 4, Sep. 2021, pp. 226-230, ISSN: 2349-6002.
12. A.Arun Solomon, N.Anand, M. Jemimah Carmichael, Jayakrishnan P.B, Alwyn Varghese, J. Joel Shelton, "**Impact of heating cooling regime on flexural behaviour of self-compacting concrete beams exposed to elevated temperatures**" , Materials Today: Proceedings. (Scopus Indexed) (In Press) DOI: <https://doi.org/10.1016/j.matpr.2022.01.321>.
13. S Praveen, J Jegan, T Bhagavathi Pushpa, R Gokulan & L Bulgariu , “**Biochar for removal of dyes in contaminated water: an overview**”, Biochar, Feb 2022, Vol: 4, Article ID: 10, pp: 1-16. (Indexed in SCIE , Impact Factor: 5.22, Q2), ISSN: 2524-7972. (Doi:<https://doi.org>)
17. Sujatha S, Gokulan R, Zunaithur Rahman D.R & Yogeshwaran V, “**Investigation of Mechanism of Metal Ion Adsorption from Aqueous Solutions using Prosopis Julyflora Roots: Batch and Fixed Bed Column Studies**”, Global NEST, March 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632 DOI: <https://doi.org/10.30955/gnj.004061>
18. U Siva Rama Krishna & T Chiranjeevi “**Sustainable concrete pavements for low volume- Scientometric analysis of literature**".ads-IOP Conference series: Earth and Environmental Science,982(2022)12005. (Scopus Indexed) (Impact factor:0.41) doi:10.1088/1755- 1315/982/1/012005 (Q4).
19. K. Naga Rajesh, P. Markandeya Raju, Kapileswar Mishra, (2021), "Effect of Superplasticizer on Alkali Activated Ground Granulated Blast Furnace Slag Concrete in Ambient Curing Condition for Sustainable Environment (IJEP)", Indian Journal of Environmental Protection, Vol. 41, Issue No. 7, pp. 780-784, (Indexed in Scopus, IF:0.14)-ISSN: 0253-7141 (Published in 01-July-2021)

Book / Book Chapters :

1. R. Gokulan, J Raja Murugadoss, S. Praveen, J. Jegan, “**Water - Conventional and Novel Treatment Methods**”, Solar Driven Water Treatment, 1 st Edition, Elsevier Book Chapter, Academic Press. 26th October 2021 (**Paperback ISBN: 9780323909914; eBook ISBN: 9780323900034**)
2. B.A.V. Ram Kumar, Harishbabu Jallu, “**Performance of Geogrid Reinforced Asphalt Layers-A Review**”, Recent advancements in Civil engineering ,VNIT Nagpur, December 2021. Lecture Notes in Civil Engineering, Springer.
3. **Penki R.**, Srinivasa Rao T., Vinod Naik G., Aparna R. (2022) “**Identification of Parking Sites in the Kukatpally Region Using GIS and AHP**”. In: Gupta A.K., Shukla S.K., Azamathulla H. (eds) Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering, vol 196. Springer, Singapore. https://doi.org/10.1007/978-981-16-6557-8_36.
4. **Penki R.**, Madhavi B., Akhilesh Patnaik K., Sri Divya A. (2022) “**A Scientometric Analysis on Bio-Bitumen**”. In: Gupta A.K., Shukla S.K., Azamathulla H. (eds) Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering, vol 196. Springer, Singapore. https://doi.org/10.1007/978-981-16-6557-8_50.
5. Kumar K.K., **Penki R.** (2022) “**A Scientometric Analysis on Aggregate Blending**”. In: Gupta A.K., Shukla S.K., Azamathulla H. (eds) Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering, vol 196. Springer, Singapore. https://doi.org/10.1007/978-981-16-6557-8_50.

[8 51.](#)

6. Kommanamanchi, V., Prakash Giri, J. and Rajendra Babu, K. (2022). ‘**A Study on Behaviour of Pedestrians to Improve the Riding Quality and Comfortability Through Metro Rail System: A Review**’. Smart Technologies for Energy, Environment and Sustainable Development, Vol 1. Springer Proceedings in Energy. Springer, Singapore. <https://doi.org/10.1007/978-981-16-6875-3-23>
7. Priyadarshini, M. and Giri, J.P. (2022). ‘**Utilization of Sugarcane Bagasse Ash for the Stabilization of Pavement Subgrade: A Probabilistic Approach**’. Smart Technologies for Energy, Environment and Sustainable Development, Vol 2. Springer Proceedings in Energy. Springer, Singapore. <https://doi.org/10.1007/978-981-16-6879-1-12>.

.....2020-21:

2020-21:

National Conferences:

2020-21:

-----NIL-----

National Journals:

-----NIL-----

2020-21:

International Conferences :

1. M.Priyadarshini and J. P. Giri, "**Utilization of Sugarcane Bagasse Ash for the Stabilization of Pavement Subgrade: A Probabilistic Approach**", International Conference on Smart Technologies for Energy, Environment & Sustainable Development (ICSTEESD-20), Department of Mechanical, Electrical & Civil Engineering, G H Raison College of Engineering, Nagpur, India, 4th & 5th December 2020.
2. Vamsi, K., Rajendra Babu, K. and J.P. Giri, "**A Study on Behavior of Pedestrians to Improve the Riding Quality and Comfortability Through Metro Rail System: A Review**", International Conference on Smart Technologies for Energy, Environment & Sustainable Development (ICSTEESD-20), Department of Mechanical, Electrical & Civil Engineering, G H Raison College of Engineering, Nagpur, India, 4th & 5th December 2020.
3. B.P.R.V.S.Priyatham, D.V.S.R.K.Chaitanya, "**A Review on White Topping Roads**", **Emerging Trends in Civil Engineering**", Organized by KL University, 26-27, June 2020.

2020-21:

International Journals :

1. Jayaprakash Sridhar, Bimalendu Dash “**Experimental Study on Latex Modified Nylon Fibre Reinforced Concrete with Partial Replacement of Cementitious Material**” Journal of Huazhong University of Science and Technology, Vo.50, No.3, pp 1-10, March 2021(ISSN 1671-4512) (Scopus)(<https://app.box.com/s/zttuq6c6dx8eczannxy16egkveaj9zgzgk>)
2. A. Vijayakumar, S. Varatharajan, B. Monika Priya, “**Behavior of Pedestrian on Stairways at Non-Sub Urban Railway Station**”, Solid State Technology, Volume 64, Issue 2, pp. 1113 – 1120, 2021.

(<https://solidstatetechnology.us/index.php/JSST/article/view/9070>).

3. B.A.V.Ram Kumar , G.Ramakrishna "**Sustainable materials in the production of pavement base and subbase courses**", Conf. Series: Materials Science and Engineering, MVGR, December 2019. Published in January 2021 (<https://iopscience.iop.org/article/10.1088/1757-899X/1025/1/012013/meta>).
4. Mani Radha, Sellappa Kanmani, Thillainayagam Bhagavathi Pushpa & Saravanan Praveen "**Synthesis and Characterization of MWCNT-Supported Iron Phthalocyanine Catalyst for the Treatment of Wastepaper Recycling Mill Wastewater using Microbial Fuel Cell**" Biomass Conversion and Biorefinery, February 2021, (Impact Factor: 2.602) <https://doi.org/10.1007/s13399-021-01331-1>. (SCI)
5. K. Naga Rajesh, P. Markandeya Raju, Kapileswar Mishra, Pavan Kumar Madiseti, "**A Review on Sustainable Concrete Mix Proportions**," IOP Conf. Series: Materials Science and Engineering, Vol. 1025, 012019, [doi:10.1088/1757-899X/1025/1/012019](https://doi.org/10.1088/1757-899X/1025/1/012019). (Scopus).
6. Priyadarshini, M., Giri, J.P. and Patnaik, M., 2021. "**Variability in the Compressive Strength of Non-Conventional Bricks Containing Agro and Industrial Waste**". Case Studies in Construction Materials, Vol. 14, p.e00506. <https://doi.org/10.1016/j.cscm.2021.e00506>. (SCI)
7. M. Kumar, S. Sujatha, R. Gokulan, A. Vijayakumar, S. Praveen, S. Elayaraja, "**Prediction of RSM and ANN in the Remediation of Remazol Brilliant Orange 3R using Biochar derived from *Ulva Lactuca***", Desalination and Water Treatment, Vol. 211, pp. 304-318, Jan 2021 (ISSN Print 1944-3994, ISSN Online 1944-3986) (Impact Factor: 1.32) (DOI: <https://doi.org/10.5004/dwt.2021.26615>) (Indexed in SCI) (Q2-Ocean Engineering)
8. Saravanan Praveen, Josephraj Jegan, Thillainayagam Bhagavathi Pushpa, Ravindiran Gokulan, (2021), "**Evaluation of the adsorptive removal of cationic dyes by greening biochar derived from agricultural bio-waste of rice husk**", Biomass Conversion and Biorefinery, (ISSN No: 190-6815 (Indexed in SCI) (Impact Factor: 2.68) (<https://doi.org/10.1007/s13399-021-01415-y>))
9. R. Gokulan, A. Vijayakumar, V. Rajesh Kumar and S. Praveen, "**Synthesis of Biochar from Waste Seaweed Biomass for Remazol Effluent Treatment in Batch and Packed Bed Column**", Nature Environment and Pollution Technology, Vol. 19, No. 5, pp. 1931-1936. Jan 2021. (DOI: [10.46488/NEPT.2020.v19i05.017](https://doi.org/10.46488/NEPT.2020.v19i05.017)) (ISSN: 09726268(Print) ISSN: 2395.3454 (online)) (Indexed in Scopus)
10. T. Bhagavathi Pushpa, Praveen Saravanan, & R Gokulan 2021 "**Continuous Sorption of Methylene Blue Dye from Aqueous Solution using Effective Microorganisms-based Water Hyacinth Waste Compost in a Packed Column**", Biomass Conversion and Biorefinery, 2021 (doi.org/10.1007/s13399-020-01208-9) (SCI Indexed) (Q3- Renewable Energy)
11. Sridhar J & Vivek D (2021), "**Influence of Non-Biodegradable Wastes in Mechanical Properties of Concrete-A Neural Network approach**", IOP Conference series;Material Science and Engineering, vol.1025, 9 pages, Jan 2021 <https://iopscience.iop.org/article/10.1088/1757-899X/1025/1/012007/pdf> (Scopus,IF:0.5)
12. **Vijayakumar** Arumugam, Nithya Muthukumaran, Prabakaran Ellappan, "**CFST Compression Members with Steel Slag as a Partial Replacement for Fine Aggregate**", IOP Conf. Series: Materials Science and Engineering, Vol. 955, pp. 1-5, December 2020 (012059) IOP Publishing, (<https://iopscience.iop.org/article/10.1088/1757-899X/955/1/012059>). (Scopus Indexed).
13. Madhusmita Ghadai, Debaprakash Satapathy, M.L.Narasimham, "**Analysis of Water Quality Parameter by using Multivariate Statistical Analysis for River Brahmani**", Solid State Technology, Vol. 63, Issue 6, December 2020.

- (<http://solidstatetechnology.us/index.php/JSST>) (Scopus Indexed). (Q4-Materials Chemistry)
14. Vijayakumar A, Vanga Meher Lakshmi Tejaswi, Prabakaran E, Nithya M, “**Seismic Strengthening of RC Structures using FRP**”, Solid State Technology, Vol. 63, Issue: 5, October, 2020. (<http://solidstatetechnology.us/index.php/JSST/article/view/1789>). (Scopus Indexed).
 15. G. Madhava Krishna Reddy, Penki Ramu, P. Kusaraju, K. Himabindu And P. Deepak “**Application of Data Science Techniques to the Water Quality Analysis**”, Solid State Technology, Vol. 63 Issue 6, pp. 2838-2857, October 2020. (ISSN No.: 0038-111X) (Impact Factor:0.11).<http://solidstatetechnology.us/index.php/JSST/article/view/3369>. (Scopus Indexed)
 16. Harishbabu Jallu, B.A.V Ramkumar, “**A Review on the Performance of Geosynthetic Reinforced Asphalt Overlays**”, International Journal for Scientific Research & Development, Vol. 8, Issue 7, pp. 6-8, September 2020. (ISSN No.:2321-0613) (Google Scholar) (Impact Factor:4.396) (<http://www.ijrsrd.com/articles/IJSRDV8I70031.pdf>)
 17. A.K. Priya, R. Gokulan, A. Vijay Kumar, S. Praveen, “**Biodecolorization of Remazol Dyes using Biochar derived from Ulva Reticulata: Isotherm, Kinetics, Desorption and Thermodynamic Studies**”, Desalination and Water Treatment, Vol. 200, pp. 286-295, October,2020. (ISSN Print 1944-3994, ISSNOnline1944-3986)(Impact Factor:1.32).(<https://doi.org/10.5004/dwt.2020.2609>) (Indexed in SCI)
 18. Sandeep Reddy G., RameshAdepu, Vinayaka Ram V., Ramu P, “**Laboratory Evaluation of Hard Grade Bitumen produced with PPA Addition**”, International Journal of Pavement Research and Technology, Chinese Society of Pavement Engineering, Springer Nature, (ISSN: 1997-1400) DOI: <https://doi.org/10.1007/s42947-020-0068-2>, , October 2020. (Scopus Indexed)
 19. Prabhuchand, A. Vijayakumar, “**Pedestrian Level of Service on Commuter’s Facilities – A Review**”, International Research Journal of Modernization in Engineering Technology and Science, Vol. 02, Issue 08, August 2020. <https://www.researchgate.net/project/Pedestrian-Level-of-Service-Criteria-for-Urban-Indian-Context>
 20. G.Ganesh Prabhu and M. C. Sundarraja, “**Design Model for Concrete-Filled Steel Tube Columns under Full and Local Compression Loads**” Proceedings of the Institution of Civil Engineers-Structures and Buildings, <https://doi.org/10.1680/jstbu.20.00004>., August 2020 (Scopus Indexed)
 21. Ganesh Prabhu and K. Rajkumar (2020), “**Influence Of In-Filled Concrete Strength and Steel Tube Thickness on the Strength Capacity CFST Column-RSM Modelling Approach**”, Advances in Mathematics: Scientific Journal, Vol. 9, pp. 8273–8282, October 2020. (Indexed in Scopus) https://research-publication.com/wp-content/uploads/2020/vol-9-n10/AMSJ_2020-N10-56.pdf
 22. Ganapathy Ganesh Prabhu, Puppala Venkata Ramana, K. Rajkumar, “**Influence of Sbs Polymerson the Engineering Properties of Bitumen**”, Journal of Critical Review, Vol. 7, Issue 9, pp. 3135-3140, October 2020. (doi: [10.31838/jcr.07.09.480](https://doi.org/10.31838/jcr.07.09.480)) (Indexed in Scopus)
 23. Sarath Chandra Vegi, P.R.V.S. Priyatham B, “**A Review on Economics of Traffic Congestion**”, International Journal for Research in Applied Science & Engineering Technology, Vol. 8, Issue VIII, pp. 1319-1323, August 2020. (ISSN No.:2321-9653) (<https://www.ijraset.com/files/serve.php?FID=31170>) (Google Scholar, Academia.edu)
 24. Gopalam J, Giri JP, Panda M., “**Influence of Binder Type on Performance of Dense Bituminous Mixture Prepared with Coarse Recycled Concrete Aggregate**”, Case Studies in Construction Materials, 22:e00413, August 2020 (SCI).
 25. Hanuman. G. S & Prasad K. S.B., “**Study on Compressive Strength of Pervious**

- Concrete for Higher of Aggregate**”, International Journal for Scientific Research & Development, Vol. 8, Issue 5, pp. 304-305, 2020. (Google Scholar, Academia.edu) (<http://www.ijrsrd.com/Article.php?manuscript=IJSRDV8I50279>)
26. Sandeep Reddy Gottam, Ramesh Adepu, Ramu Penki, **“Evaluation of Bituminous Mix Characteristics Prepared with Laboratory Developed High Modulus Asphalt Binder”**, Journal of The Institution of Engineers (India): Series A, August 2020. (ISSN No.:2250-2157) (Indexed in: SCI/ Scopus) (Impact Factor: xxxxx) (<https://link.springer.com/content/pdf/10.1007/s40030-020-00462-4.pdf>)
 27. Praveen Saravanan, Bhagavathi Pushpa Thillainayagam, Gokulan Ravindiran and Jegan Josephraj, **“Evaluation of the Adsorption Capacity of Cocos Nucifera Shell derived Biochar for Basic Dyes Sequestration from Aqueous Solution”**, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Taylor & Francis Online, July 2020. (ISSN No.: 1556- 7230) (Indexed in: SCI) (Impact Factor: 1.184) (<https://doi.org/10.1080/15567230.2020.1811111>)
 28. K. Naga Rajesh, P. Markandeya Raju, Kapileswar Mishra, P Srinivasa Rao, **"Performance of Cement Mix Plus and Latex Plus Polymers on Slag Based Concrete"**, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 10, Issue 3, pp. 1527-1538, Jun 2020, (ISSN (P): 2249–6890, ISSN (E): 2249–8001), DOI : [10.24247/ijmperdjun2020135](https://doi.org/10.24247/ijmperdjun2020135) (Scopus Indexed).
 29. M.Mounika, V.Manvita, G.Madhava Krishna reddy, **“Analysis of Concrete Elevated Circular Water Tank Using Staad Pro Software”**, Journal of Engineering Sciences, Vol. No.11, Issue No.6, pp 759-765, June 2020. (ISSN No.:0377-9254) (Indexed in: UGC Care List) <https://jespublication.com/upload/2020-1106110.pdf>
 30. Josephraj Jegan, Saravanan Praveen, Balasubramanian Muthu Kumar, Thillainayagam Bhagavathi Pushpa, Ravindran Gokulan , **“Box–Behnken Experimental Design for the Optimization of Basic Violet 03 Dye Removal by Groundnut Shell derived Biochar”**, Desalination and Water Treatment, Vol. 209, pp. 379-391, Jan 2021 (ISSN Print 1944-3994, ISSNOnline 1944-3986) (Impact Factor: 1.32) (<https://doi.org/10.1080/15470355.2020.1811111>)
 31. G Ganesh Prabhu, M C Sundarraja, **“Design Model for CFST with Different D/t ratios Subjected to Full and Local Compression”**, Structures and Buildings, ICE Publishing, Vol 1, Issue 1, May 2020. (<https://doi.org/10.1680/jstbu.20.00004>)(SCI and Scopus Indexed)
 32. B.P.R.V.S.Priyatham, D.V.S.K.Chaitanya, **“Effect of Ferrochrome Slag and Fly Ash on the Mechanical Properties of Concrete”**, IOP Material Science and Engineering, May 2020.(<http://dx.doi.org/10.1088/1757-899X/1025/1/012024>) (Scopus Indexed)
 33. Saravanan Praveen, Josephraj Jegan, Thillainayagam Bhagavathi Pushpa, Ravindiran Gokulan, (2021), **“Artificial Neural Network Modelling for Biodecolorization of Basic Violet 03 from aqueous solution by biochar derived from agro-bio waste of groundnut hull: Kinetics and Thermodynamics”**, Chemosphere, (ISSN No: 045-6535) (Indexed in SCI) (Impact Factor: 5.77) (<https://doi.org/10.1016/j.chemosphere.2021.130191>)
 34. Gopalam J., Prakash Giri J., Panda M., **“Effect of Filler on Bituminous Base Layer containing Recycled Concrete Aggregates”**, International Journal of Transportation Science

and Technology, Vol. 9, Issue 3, September 2020. (Scopus Indexed)
<https://www.sciencedirect.com/science/article/pii/S2046043020300290>

35. Raja Murugadoss J., Krishna Kishore K., “**Effectiveness of E-Learning in Rural India and Significance of Self-Directed Learning**”, International Journal of Advanced Science and Technology, Vol. 29, Issue 6, pp. 6015-6020, 2020. (ISSN: 2249-8958) (Scopus Indexed) (<http://sersc.org/journals/index.php/IJAST/article/view/19879>)
36. R. Gokulan, G. Ganesh Prabhu, A. Avinash, J. Jegan, “**Experimental and Chemometric Analysis of Bioremediation of Remazol Dyes using Biochar Derived from Green Seaweeds**”, Desalination and Water Treatment, Vol. 184, pp. 340-353, 2020 (ISSN No:1944- 3994), DOI: <https://doi.org/10.5004/dwt.2020.25339> (SCI, I.F:1.24)

Book / Book Chapter:

1. J.Raja Murugadoss and R.Priya Vijayanthi, “**Curriculum Design: An Indicative Guide**”, **Chapter 6 of book titled**, ‘Emerging Trends in Engineering Research and Technology’, Vol. 2, Book Publisher International, DOI 10.9734/bpi/etert/v2, May 11, 2020. (Print ISBN 978-93-8986-98-3, eBook ISSN 978-93-8986-99-0)

2019-20 :

2019-20 :

National Conferences:

-----NIL-----

2019-20 :

National Journals:

-----NIL-----

2019-20 :

International Conference:

1. Jagadeesh, G., Giri, J. P., and Panda, M. “**Performance of Waste Materials as Filler in Bituminous Mixtures for Binder Course**” 3rd International Conference on Waste Management (Recycle 2020), organized by Indian Institute of Technology Guwahati, India during 13-14 February, 2020.
2. Jagadeesh, G., Giri, J. P., and Panda, M, “**Effect of Waste Materials as Alternative of Natural Resources for Sustainable Bituminous Paving Mixes.**” International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD), NIT Warangal, Telangana, India. (Accepted for book chapter published by Taylor & Francis group)
3. Ch. Vasavadata, J. Venkateswara Rao, R. Gokulan “**Optimization of Signal Cycle Length Using Vissim- A Case Study**”, pp. 193, proceedings of International Conference on Innovative Trends In Civil Engineering For Sustainable Development (ITCSD - 2019NITWarangal, 13th - 15th September 2019).
4. S. Rajesh, J. Venkateswara Rao, “**Review Paper on Partial Replacement of Fine Aggregate and Cement by Industrial Waste**”, International Journal for Scientific Research and Development, Vol. 7, Issue No. 7, pp. 322-326, Oct-2019.

2019-20 :

International Journals:

1. Penki Ramu, Srinivasarao T, Lalith Nandan K, Keshav M, “**Fuzzy AHP, RS & GIS based Hybrid Approach for Airport Site Selection Kothagudem District**”, International Journal of Advanced Science and Technology, Vol. 29, No. 1, pp. 1645-1653, Jan 2020. (ISSN: 2005- 4238 (Print) ISSN: 2207-6360 (Online), SJR Impact Factor 0.13) (Scopus Indexed)

2. Rathod Ravinder, Penki Ramu, Srinivasarao T, "**Flood Risk Assessment using Remote Sensing and GIS for Anigunta Watershed, Telangana**", International Journal of Scientific & Technology Research (IJSTR), Vol. 9, Issue 3, March 2020 (ISSN 2277-8616, IF:7.466) (Scopus Indexed)
3. Jegan J, Praveen S, Bhagavathi Pushpa T and Gokulan R., "**Sorption Kinetics and Isotherm Studies of Cationic Dyes using Groundnut (Arachis Hypogaea) Shell derived Biochar a Low-Cost Adsorbent**", Applied Ecology and Environmental Research, Vol. 18, Issue 1, pp. 1925-1939, March 2020. (ISSN No.: 1785 0037) (doi:10.15666/aeer/1801_19251939, Impact Factor: 0.68) (Indexed in: SCI)
4. Penki Ramu, Srinivasarao T, Lalith Nandan K, Keshav M, "**Fuzzy AHP, RS & GIS Based Hybrid Approach for Airport Site Selection-Kothagudem District**", International Journal of Advanced Science and Technology, Vol. 29, No. 1, (2020), pp. 1645-1653. Jan 2020, ISSN: 2005-4238 (Print) ISSN: 2207-6360 (Online), Scopus, SJR Impact Factor 0.13.
5. Rathod Ravinder, Penki Ramu, Srinivasarao T, "**Flood Risk assessment using Remote Sensing and GIS for Anigunta Watershed, Telangana**", International Journal of Scientific & Technology Research, IJSTR, Vol. 9, Issue 3, March 2020 (ISSN 2277-8616, IF:7.466) (Scopus Indexed)
6. J.Sridhar, D.Vivek., D. Jegadeeswaran "**Mechanical and Flexural Behavior of High Performance Concrete Containing Nano Silica**", International Journal of Engineering and Advanced Technology, Vol. 9, Issue2, pp. 2017-2023, December 2019. (ISSN No.: 2249-8958)(Indexed in:Scopus)(Impact Factor:0.5)
7. G.Akhil Kumar, B.A.V. Ram Kumar, "**Experimental Study on Partial Replacement of Cement with Tyre, Wood and Jute Ash Wastes in Rigid Pavements**", International Journal of Scientific & Technology Research, Vol 9, Issue 01, pp. 2341-2345, January 2020. (ISSN No.:2277-8616) (Indexed in: Scopus) (Impact Factor:7.466)
8. K.S.B. Prasad, S.Lahari Anisha, N.V.L.N. Pavan Kumar, "**Experiment on Mechanical Properties of Pervious Concrete**" International Journal of Recent Technology and Engineering (IJRTE) Vol. 8, Issue 2S8, pp. 1004-1007, ISSN No. 2277-3878 (Scopus)
9. S.Naveen kumar, A. VijayaKumar, P. Abhinaya Sai Teja Reddy , "**Utilization Of Carbon Black Waste For Subgrades In Flexible Pavements**" International Journal of Scientific & Technology Research, Vol. 8, Issue 12, pp. 1817-1820, December 2019. (ISSN No.:2277-8616)(Impact Factor: 7.466) (Scopus)
10. J. Giri, M. Panda and U. Sahoo, "**Development and Evaluation of Some Bituminous Mixes Containing RCA**", Journal of Testing and Evaluation, <https://doi.org/10.1520/JTE20180824>, October 2019. (SCI Indexed)
11. A. N. V. Ravindra, S. Siva Gowri Prasad, "**A Review on Performance of Toll Plaza by using Queuing Theory**", International Journal of Trend in Scientific Research and Development, Vol. 3, Issue 6, pp. 140-143, October 2019. (e-ISSN No.: Print: 2456 – 6470).
12. Sree Sandhya. K, Rajamurugadoss. J, Ganesh Prabhu. G, "**Structural and Other Applications of Steel Fiber Reinforced Concrete - A Review**", International Journal of Scientific & Technology Research, Vol. 8, Issue 10, pp. 2317-2322, October 2019. (Scopus Indexed)
13. S. Surya Sri, K.S.B. Prasad, "**Experimental Studies on Compressive Strength of Pervious Concrete**", International Journal of Trend in Scientific Research and Development (IJTSRD), IDIJTSRD28121, Vol. 3, Issue 6, pp. 398-400, October 2019.
14. G. Siva Krishna, K.S.B. Prasad, "**Experimental Studies on Compressive Strength of No- Fines Concrete**", International Journal on Scientific Research and Development (IJSRD). IJSRDV7170228, Vol. 7, Issue 7, pp. 314-316, October 2019.

15. I. G. N. S. Kasyap, K. Rajendra Babu, **“A Review on Mechanical Characteristics of Expansive Soil with Lime Treatment, Sugarcane Bagasse Ash and Bitumen”**, International Journal for Scientific Research & Development, Vol. 7, Issue 07, pp. 358-362, 2019.
16. Yasir Altaf, Manzoor Ahangar and Mohammad Fahimuddin, **“Modelling Snowmelt Runoff in Lidder River Basin using Coupled Model”**, International Journal of River Basin Management, DOI: 10.1080/15715124.2019.1634082, 2019, SJR: 0.42, (Indexed in SCI).
17. P. Abhinaya Sai Teja Reddy, A. Vijayakumar, **“A Review Paper on Utilization of Waste Material for Strengthening of Pavement Subgrade”**, International Journal for Scientific Research & Development, Vol. 7, Issue 06, pp. 383 – 385, August 2019. (ISSN (online): 2321-0613)
18. B.P.R.V.S.Priyatham, D.V.S.K.Chaitanya, **“Comparative Study on Analysis and Design of Flat Slabs with Conventional Slabs”**, International Journal of Research in Advent Technology, Vol. No.7, Issue. No.7, July-2019 (E-ISSN 2321-9637)
19. A.Vijayakumar, J. Raja Murugadoss, S. Praveen, **“Development of Sustainable Concrete using Alternative Building Materials By Replacing Industrial Waste Steel Slag for Aggregates”**, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Vol. 8, Issue 6, pp. 2745 – 2749, August 2019. (Scopus Indexed)
20. S. Aravind Varma, S. Naveen Kumar, **“Effect of Fish Scales on Workability of Concrete in Rigid Pavements”**, International Journal for Scientific Research & Development, Vol. 7, Issue. 6, pp. 463-467, August 2019. (ISSN (online): 2321-0613)
21. Jampani Venkateswara Rao, Killamsetti Srinivasa Rao, Koripella Rambabu, **“Performance of Heat and Ambient Cured Geopolymer Concrete Exposed to Acid Attack”**, Proceedings of the Institution of Civil Engineers - Construction Materials, Vol. No.172, Issue. No.4, pp. 192–200, August -2019.(Scopus Indexed) (E-ISSN 1747-6518)
22. A.Vijayakumar, S. Naveen Kumar, P. Abhinayasai Teja Reddy, **“Utilization of Waste Materials for Strengthening of Pavement Upgrade”** International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Vol. 8, Issue 9S2, July 2019. (Scopus)
23. R. Gokulan, G. Ganesh Prabhu, J. Jegan, A. Avinash, (2019), **“A Critical Insight into Biomass derived Biosorbent for Bioremediation of Dyes”**, Chemistry select, DOI:10.1002/slct.201902127, August 2019. (Wiley, Impact Factor: 1.786) (SCI Indexed)
24. Bhagavathi Pushpa, Jegan J, Praveen S. Gokulan R, **“Biodecolorization of Basic Blue 41 using EM-based Composts: Isotherm and Kinetics”**, Chemistryselect, DOI:10.1002/slct.201901774, August 2019. (SCI Indexed)
25. Giri, J. P., Panda, M. and Sahoo, U. C. (2019). **“Development and Evaluation of Some Bituminous Mixes Containing RCA”**. Journal of Testing and Evaluation. DOI: 10.1520/JTE20180824, August 2019. (SCI Indexed)
26. P. Manoj Kumar, G. Ganesh Prabhu, **“A review on Synthetic Hybrid Fiber Reinforced Concrete for Rigid Pavement Applications”**, International Journal of Scientific and Technology Research, Vol. 8, Issue.8, ISSN 2277 – 8616, pp. 1348 – 1354, August – 2019. (Scopus Indexed)
27. Priya Vajjayanthi R., Raja Murugadoss J., **“Effectiveness of Curriculum Design in the Context of Outcome Based Education (OBE)”**, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-6, pp. 648 – 651, August 2019. (Scopus Indexed)
28. R. Gokulan, A. Avinash, G.G. Prabhu, J. Jegan, **“Detoxification of Remazol Dyes by Biochar derived from Caulerpa Scalpelliformis - An Eco-friendly Approach”**, Journal of Environmental Chemical Engineering, 2019. DoI:https://doi.org/10.1016/j.jece.2019.103297 (Elsevier, SCI & Scopus Indexed, IF: 4.99)

29. Gokulan Ravindiran, Raja Murugadoss Jeyaraju, Jegan Josephraj & Avinash Alagumalai, **“Comparative Desorption Studies on Remediation of Remazol Dyes using Biochar (Sorbent) derived from Green Marine Seaweeds”**, Chemistry Select. DOI:10.1002/slct.201901348, Impact Factor: 1.716 (Indexed in SCI).
30. G. Ganesh Prabhu, J. Rajamurugadoss, K. Rajkumar, **“Performance Evaluation of Slag as a Cementitious Material in Concrete Production – Strength and Durability Properties”**, International Journal of Engineering and Advanced Technology, Vol. 8, Issue-5, pp.753-757, 2019.
31. Jaswanth K, B.P.R.V.S.Priyatham, **“Experimental Study on Sewage Sludge Ash in Stone Matrix Asphalt”**. International Journal of Advance Research, Ideas and Innovations in Technology, Vol 5, Issue 3, PP. 116 - 125, May 2019.
32. Ravindiran Gokulan, Ganapathy Ganesh Prabhu, Josephraj Jegan, **” Remediation of Complex Remazol Effluent using Biochar derived from Green Seaweed Biomass”**, International Journal of Phytoremediation. DOI: 0.1080/15226514. 2019. 1612845.(Indexed in: SCI)
33. Debashish Kar, Jyoti Prakash Giri, Mahabir Panda, **“Performance Evaluation of Bituminous Paving Mixes Containing Sisal Fiber as an Additive”**, International Journal of Transportation Infrastructure Geotechnology, DOI: 10.1007/s40515 – 019 – 00079 – 6. (Indexed in: Scopus)
34. K.S.B Prasad, K.Gayatri, **“Identification and Prioritize Improvement of Accident-Prone Locations between Srikakulam to Chilakapalem Junction- A Case Study”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No.8, Issue No.6S3, pp.167-169, April 2019, ISSN No.2278-3075 (Indexed in: Scopus)
35. Ch. Vasavadatta, Dr. J. Venkateswara Rao, R. Gokulan **“Potential Applications of Vissim for Modeling Heterogeneous Traffic Flow- A Review”**, Journal of Emerging Technologies and Innovative Research (JETIR), Vol. No. 6, Issue No. 4, pp.120-127, April 2019.
36. Gokulan R, Ganesh Prabhu G, Jegan J. **“A Novel Sorbent Ulva lactuca-Derived Biochar for Remediation of Remazol Brilliant Orange 3R in Packed Column”**, Water Environment Research, DOI: 10.1002/wer.1092 (Indexed in: SCI)
37. K.S.B. Prasad, N.V.L.N. Pavan Kumar, **“Effect Of Polycarboxylate On Compressive Strength of Pervious Concrete”** International journal of Civil Engineering and Technology (IJCIET) Vol. 10, Issue 3, pp. 309-315, March 2019. (Indexed in: Scopus)

Book Chapter:

1. Ramu Penki, Shiva Bhushan J Y V, Shravani B, Nagarani I, **“Cinder Coal-Aggregate Quality Index (AQI) Appraisal Based on Weighted Arithmetic Index Method and Fuzzy Logic”**, Lecture Notes in Civil Engineering, Vol. 71, Sireesh Saride et al. (Eds): Advances in Geotechnical and Transportation Engineering , 978-981-15-3661-8, 482789_1_En, (13), Feb 2020.

2018-19 :

2018-19 :

National Conference:

1. Sri Pavan Sai, S S S Prasad Beeraka, K.S.S Padma, Tumula Tirupathi Rao, S.Murali Sai Prasanth, **“Soil Stabilization Using Crumb Rubber and Cement”**, Recent Trends in Graduate Research (RTGR)-2018 , Organized by GMR Institute of Technology, 24th August 2018.

2. Aishwariya.S, K.S.S.Padma, Gurram Siva Krishna, Pala Gireesh Kumar, "**A Case Study on Road Safety From Salem to Namakkal on NH-7**", Recent Trends in Graduate Research (RTGR)-2018conference, Organized by GMR Institute of Technology, 24th August 2018.
3. S.Aishwariya, P.Manoj Kumar, A.Ravindra, "**Intergrated Multimodal Transportation System- A Case Study in Trivandrum**", Recent Trends in Graduate Research (RTGR)-2018, Organized by GMR Institute of Technology, 24th August 2018.
4. G.Mohan Sai, Bimalendu Dash, B.P.R.V.S Priyatham, "**Self - Healing Concrete – A Review**", Recent Trends in Graduate Research (RTGR 2018), Organized by GMR Institute of Technology, 24th August, 2018.
5. Ch.Vasavadatta, J.Venkateswara Rao, B.A.V. Ram Kumar, "**Personal Rapid Transit: A Review**", Recent Trends in Graduate Research (RTGR 2018), Organized by GMR Institute of Technology, 24th August, 2018.
6. M.T.S. Lakshmayya, K. Rakesh Naidu, N. Sai Sri Gaurav, CH. Veerendra, "**Chemical Analysis on Brick Soil – An Experimental Study**", Recent Trends in Graduate Research (RTGR 2018), Organized by GMR Institute of Technology, 24th August, 2018.
7. K. Yatheendra, Tamishra.s, G.Teja, A.Vijaya Kumar, "**Replacement of Fine Aggregate with Foundry Sand**" Recent Trends in Graduate Research (RTGR 2018), Organized by GMR Institute of Technology, 24th August, 2018.

2018-19 :

National Journal:

-----NIL-----

2018-19 :

International Conference:

-----NIL-----

2018-19 :

International Journal:

1. Lakshmi Adothodi and Raja Murugadoss J., "**Application of a Novel Adsorbent- Aircraft Tyre Rubber Ash for the removal of Chromium from Wastewaters**", Rasayan Journal of Chemistry (RJC), Volume 11, Issue 3, pp. 1204-1210, August 2018. (Indexed in Scopus)
2. G.Akhil Kumar, K.Gopi Shankar, J.Venkateswara Rao, "**A Review Paper on Utilizing the Wood Ash Rubber Ash and Stone Dust In Various Concrete Mixes**", International Journal of Research and Analytical Reviews (IJRAR), Vol.No.6, Issue No.1, pp 1386-1388, February 2019. (Indexed in: Google scholar) (ISSN No. 2349-5138, E-ISSN 2348-1269)
3. Penki Ramu, Ram Kumar B.A.V, Sandeep Reddy G, Praveen B, "**Road Maintenance through Community Contracting as an Instrument of Rural Development in India by Mobile Applications**", International Journal of Recent Technology and Engineering (IJRTE) ,ISSN: 2277-3878, Volume-7 Issue-4,pp: 227-233. November 2018. (Indexed in Scopus)
4. Siva Gowri Prasad S, Satyanarayana P.V.V, "**Improvement of Soft Marine Clay with Laterally Reinforced Silica-Manganese Slag Stone Column**", International Journal of Engineering and Technology Innovation, Vol. 9, No. 1, pp. 12-21, January 2019. (ISSN No.: Print: 2223-5329 and ISSN Online: 2226-809X) (Indexed in SCOPUS and ESCI)
5. Siva Gowri Prasad S., Satyanarayana P.V.V., "**Soft Soil Improvement by Using Stone Columns Reinforced with Lateral Geotextile Discs**", Journal of Emerging Technologies and Innovative Research, Vol. 5, Issue 12, pp. 8-13, December 2018. (ISSN Online: 2349-5162).
6. Siva Gowri Prasad S., Satyanarayana P.V.V., "**Model Tests on Soft Soil Stabilized with Geotextile Reinforcement**", IOSR Journal of Engineering, Vol. 8, Issue 12, pp. 12-16, December 2018. (ISSN No.: Print: 2278-8719 and ISSN Online: 2250-3021).

7. K.S.B. Prasad, S. Naveen Kumar, D. S. Aravind Varma “**A Review on Present Trend in Speed Bump**”, International Journal of Recent Technology and Engineering (IJRTE), Vol. 7, Issue 4, pp. 273–275, November 2018. ISSN No. (Online): 2277-3878.(Scopus–conference proceedings)
8. K. S. B. Prasad, Sarath Chandra Vegi, “**Study on Pedestrian Crossing Behavior and various Factors Influencing their Perceptions at Intersections-A Review**”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 7, Issue 1, pp. 297-299, January 2019 (ISSN No. 2321-9653)
9. Giri, J.P. and Panda, M., “**Laboratory Evaluation of Inter-layer Bond Strength between Bituminous Paving Layers**”, Transportation Infrastructure Geotechnology, Vol 5, Issue. 4, pp. 349-365, December 2018. (Indexed in: Scopus)
10. A.Vijayakumar, A.Raj Mohan, Bimalendu Dash, “**An Experimental Investigation of Bitumen Mix using Rice Straw Ash as Filler**”, International Journal of Civil Engineering and Technology, Vol. 9, Issue 10, pp. 1741–1748, October 2018, (Indexed in: Scopus)
11. K.S.B.Prasad, N.V.L.N.Pavan Kumar, M.Pavan Kumar, “**Experimental Study on Compression Strength Variation on low Grade Aggregates in Pervious Concrete**”, International Journal of Civil Engineering and Technology, Vol. No.9, Issue 10, pp. 1265-1270, October 2018. (Indexed in: Scopus)
12. K.S.B.Prasad, B.Maheswara Rao, Ch.Hari Krishna, “**Runoff Estimation and Hydro Graph Analysis- A Case Study**”, International Journal of Technical Innovation in Modern Engineering & Science, Vol. 4, Issue 10, pp. 189-193, October 2018.
13. S. Aishwariya, “**Strategies And Considerations For Construction Of Immersed Tunnel In India (India Gate-Elephant Caves)-A 12km Immersed Tunnel**”, International Journal of Research and Analytical Reviews (IJRAR), Volume No.5, Issue No.4, pp.392-398, October 2018. (ISSN No: 2348-1269).
14. A. Rajmohan, A. Vijayakumar, B.P.R.V.S. Priyatham, “**Use of Waste Materials As Filler In Bitumenious Mix: A Review**”, Pollution Research, Volume No. 37, Issue No.4, pp. 141-147, April- 2018, e-ISSN 0257–8050.(Indexed in Scopus)
15. Siva Gowri Prasad S, Uma Maruthi Venkatesh V, “**An Experimental Investigation on Stone Matrix Asphalt by using Coconut and Banana Fibers**”, International Journal of Civil Engineering and Technology, Vol. No.9, Issue No.8, pp 964-973, Aug. 2018. (ISSN No.: Print: 0976-6308 and ISSN Online: 0976-6316) (Indexed in: Scopus)
16. Gorle Lokeswararao, Bimalendu Dash, B.P.R.V.S Priyatham , “**Strength and Durability Performance of Latex Modified Fiber Reinforced Concrete**”, International Journal of Civil Engineering and Technology, Vol. No.9, Issue No.8, pp 477-486, August 2018. (ISSN No.: Print: 0976-6308 and ISSN Online: 0976-6316) (Indexed in: Scopus)
17. S.Jagadeesh,Dr.J.Venkateswara Rao,Ch.Vasavadatta, “**An Experimental Study on the Effective use of Recycled Concrete Aggregates in Rigid Pavements**” Vol.No.9, Issue No. 8, pp. 1519–1528, August 2018. (ISSN No.: Print: 0976-6308 and ISSN Online: 0976-6316) (Indexed in: Scopus)
18. V. Ashok Varma, M.T.S. Lakshmayya, “**Effect of using Metakaolin as Filler in Bituminous Mix**”, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Vol. No. 4, Issue No. 9, pp. 100–104, September-2018. (ISSN Online: 2455-2585)
19. V. Ashok Varma, M.T.S. Lakshmayya, “**A Review on Different Types of Wastes used as Fillers in Bituminous Mix**”, International Journal of Civil Engineering and Technology (IJCIET), Vol. No.9, Issue No. 9, pp. 289–300, September 2018. (ISSN No.: Print: 0976-6308 and ISSN Online: 0976-6316) (Indexed in: Scopus)
20. Bimalendu Dash , Gorle Lokeswararao , B.P.R.V.S Priyatham, “**Effect of Addition of Different Type of Fibers on Mechanical Properties of Concrete-A Review**”, International

Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Vol. 4, Issue 7, pp 1316-1321, July 2018.

21. Sura Jagadeesh, J.Venkateswara Rao, **“Use of Recycled Concrete Aggregates in Rigid Pavements: A Review”**, International Journal of Technical Innovation in Modern Engineering & Science, Vol. 4, Issue 7, pp. 1452-1457, July 2018.
22. Uma Maruthi Venkatesh V, Siva Gowri Prasad S, **“A Review on Stone Matrix Asphalt by using Stabilizing Additives”**, International Journal of Technical Innovation in Modern Engineering & Science, Vol. 4, Issue 8, pp. 162-166, August 2018.
23. D.Ashok Kumar, K.Gopi Shankar, **“Determination of PCU and Traffic Signal Design through Multiple Linear Regression Model”**, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Vol. 4, Issue 8, pp. 543-548, August 2018.

2017-18 :

2017-18 :

National Conference:

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2017-18 :

National Journal :

1. J. Venkateswararao, K. Srinivasa Rao, and K. Rambabu, **“Performance of Glass Fiber Reinforced Geopolymer Concrete Composites”**, Journal of Structural Engineering, Vol. 44, Issue. No. 2, pp. 184-190, June –July 2017. (Indexed in: Scopus). (ISSN No. 0970-0137)

2017-18 :

International Conference :

1. K.Ravindra, J.Venkateswara Rao, A. Vijaya Kumar, **“Evaluation of Urban Transport System by Service Level Benchmarking: A Case Study at Guntur”**, Published in the proceedings of Innovative Techniques for Sustainable Earth and Environment, Karunya Institute of Technology and Sciences, pp. 12-13 December 2017.

2017-18 :

International Journals :

1. G. Anusha and J. Raja Murugadoss, **“Feasibility Studies on the Removal of Iron and Fluoride from Aqueous Solution using Shells of Limonia Acidissima as Adsorbent”**, Indian Journal of Geo Marine Sciences, NISCAIR, New Delhi, Vol. 46, No. 6, pp. 1226-1229, June 2017. (Submitted in March 2018) (SCI & SCOPUS Indexed).
2. J. Venkateswararao, K. Srinivasa Rao, and K. Rambabu, **“Performance of Heat and Ambient Cured Geopolymer Concrete Exposed to Acid Attack”**, Proceedings of the Institution of Civil Engineers - Construction Materials, August 2017. (Submitted in March 2018) (Indexed in: ESCI & Scopus) (ISSN No. 1747-650X, E-ISSN 1747-6518)
3. Lakshmi Adathodi, J.Raja Murugadoss and Naveen Kumar Shanagam, **“Recycling of Waste Tire Rubber Deposits in Airfield Runway: A Review”**. International Journal of Civil Engineering & Technology (IJCIET), Vol. 9, Issue 2, pp.275-295, February 2018. (ISSN Print: 0976-6308 and ISSN Online: 0976-6316) (Scopus Indexed)
4. R. Srinivasa Rao, Sanmithra Swargam, G. Venkata Rao, **“Mapping of Spatial Variations of Different Vehicular Emissions in Urban Roads – A Case Study”**, International Journal of Civil Engineering & Technology (IJCIET), Vol. 8, Issue No. 9, pp.: 572-579, September 2017. Scopus Indexed.

5. R. Srinivasa Rao Sanmithra Swargam, K. Divya, "**Estimation and Analysis of Various Pollutants in Mixed Traffic Conditions–A Comparative Study**", International Journal of Civil Engineering & Technology (IJCIET), Vol. No. 8, Issue No. 9, pp.: 911-920, September 2017. (Scopus Indexed)
6. R. Srinivasa Rao, V.S.S.R Gupta, Y. Nitesh, G. Venkata Rao, "**Review on Passenger Car Unit Studies In Homogeneous and Heterogeneous Traffic Flow-A Perspective**". International Journal of Civil Engineering & Technology (IJCIET), Vol. 8, Issue No.8, pp.1279-1289, August 2017, Scopus Indexed.
7. V.S.S.R. Gupta, R. Srinivasa Rao and K. Divya, "**Evaluation of Groundwater Quality Using Multivariate Statistical Techniques And GIS - A Case Study**", International Journal of Civil Engineering & Technology (IJCIET), Vol. No. 8, Issue No. 8, pp.:1165-1176. August 2017. (Scopus Indexed)
8. S. Siva Gowri Prasad, K. Praveen Sai, Ch. Vasavi, "**An Experimental Study On Marine Clay Performance Using Reinforced Stone Column With Lime Soil Column**", International Journal of Civil Engineering and Technology, Vol. No.8, Issue No.8, pp 453-462, August 2017. (Impact Factor: 4.19) (Indexed in: Scopus) (ISSN Print: 0976-6308 and ISSN Online: 0976-6316)
9. J. Venkateswararao, K. Srinivasa Rao and K. Rambabu, "Performance of Heat and Ambient Cured Geopolymer Concrete Exposed To Acid Attack", Proceedings of the Institution of Civil Engineers – Construction Materials, August 2017. (Indexed in: Scopus) (ISSN No. 1747-650X , E-ISSN 1747-6518)
10. J. Venkateswararao, K. Srinivasa Rao, and K. Rambabu, "**Performance of Heat and Ambient Cured Geopolymer Concrete Exposed to Elevated Temperatures**", Indian Concrete Journal, Vol. 91, Issue. No. 9, pp. 47- 54, September 2017. (ISSN No. 0019-4565) (Indexed in: Scopus)
11. R. Srinivasa Rao, K. Divya and S. Siva Gowri Prasad, "**Effect of Waste Materials on Strength Properties of the Clayey Soil-A Comparative Study**", International Journal of Civil Engineering and Technology, Vol. No.8, Issue No.7, pp 820-829, July 2017. (Impact Factor: 4.19) (Indexed in: Scopus) (ISSN Print: 0976-6308 and ISSN Online: 0976-6316)
12. S. Siva Gowri Prasad, Ch. Vasavi and K. Praveen Sai, "**Behaviour of Stone Column in Layered Soils Using Geotextile Reinforcement**", International Journal of Civil Engineering and Technology, Vol. No.8, Issue No.8, pp. 453-462, August 2017. (Impact Factor: 4.19) (Indexed in: Scopus) (ISSN Print: 0976-6308 and ISSN Online: 0976-6316)
13. B. Someswara Rao, T. Rambabu and G. Venkata Rao, "**Analysis of Capacity and Level of Service at Uncontrolled Intersections under Heterogeneous Traffic Conditions**", International Journal of Civil Engineering & Technology (IJCIET), Vol. No.8, Issue No.8, pp 181-190, August 2017. (Impact Factor: 9.7820) (Indexed in Scopus) (ISSN No.:0976-6316(Online), 0976-6308(Print))
14. Pydisetti Dinesh Kumar and Kanta Naga Rajesh, "**Quality Assessment of Public Transport By Fuzzy Sets Approach: A Case Study**", International Journal for Research in Applied Science & Engineering Technology, Vol. No. 5, Issue No. 7, pp. 1785-1793, July 2017.
15. B.P.R.V.S Priyatham and Bimalendu Dash, "**Experimental Study on Partial Replacement of Cement with Marble Powder and Fine Aggregate with Quarry Dust**", International Journal of Civil Engineering and Technology, IAEME Publication, Vol. 8, Number 6, pp. 774-781, 2017 (Scopus Indexed).
16. Vijayakumar, J. Raja Murugadoss, and C. Bharathi, "**Ecological Concrete, International Journal of Civil Engineering and Technology**", IAEME Publication, Vol. 8, Number 6, pp. 160-170, 2017. (Scopus Indexed)

17. G. Anusha and J. Raja Murugadoss, “**Feasibility Studies on the Removal of Iron and Fluoride from Aqueous Solution using Shells of Limonia Acidissima as Adsorbent**”, Indian Journal of Geo Marine Sciences, NISCAIR, New Delhi, Vol. 46, No. 6, pp 1226-1229, June 2017. (SCI & SCOPUS Indexed, Impact Factor: 0.316)
 18. J. Raja Murugadoss and K. Saranya and A. Ram Prasanth, “**Soil Stabilisation using Rubber Waste and Cement (Standard Proctor Test and CBR)**”, International Journal of Civil Engineering and Technology (IJCIET), IAEME, Vol. 8, No. 6, 630-639, 2017. (SCOPUS Indexed, Impact Factor: 9.782)
 19. Vijayakumar and J. Raja Murugadoss and C. Bharathi, “**Ecological Concrete– A Review**”, International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, No. 6, pp 160-170, 2017 (SCOPUS Indexed, Impact Factor: 9.782)
-

2016-17 :

National Conference:

20. J.Venkateswara Rao, A.K.Manikanta, “**An Innovative Method of Partial Replacement of River Sand and Cement in Concrete**”, Civil Engineering For Sustainability, Andhra University, 15th September 2016.

2016-17 :

National Journal :

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2016-17 :

International Conference :

1. S. Siva Gowri Prasad, P.V.V. Satyanarayana, “**Improvement of Marine Clays using Geo-Textile Encased Silica-Manganese Slag Stone Column**”, Indian Geotechnical Conference (IGC-2016), Organized by IIT Madras, Chennai, India, during 15th to 17th December, 2016.
2. G.Venkata Rao and R.Srinivasa Rao, “**Assessment of infiltration rate and soil characteristics – A Case Study of Pydibhimavaram Industrial Area, Srikakulam, A.P, India**”, International Conference on Soil and Environment, Organized by Indian Institute of Science, 22nd and 23rd July, 2016.
3. B.Someswara Rao, B.Seshu Kumari and G.Venkata Rao, “**Experimental study on concrete pavements by partial replacement of cement with industrial wastes**”, International Conference on Emerging Trends in Engineering and Technology, ICET-16, September 2016. (Submitted in April 2017)

2016-17 :

International Journals :

1. B.Someswara Rao, B.Seshu Kumari and G.Venkata Rao, “**Experimental Study on Concrete Pavements by Partial Replacement of Cement with Industrial Wastes**”, International Journal of Engineering Research in Mechanical and Civil Engineering, Vol. 01, Issue 05, pp 15-22, September 2016. (Submitted in April 2017)
2. B.Someswara Rao, M.Satyavathi and G.Venkata Rao, “**Experimental Study of Stone Matrix Asphalt with Coir Fiber and Pineapple Fiber**”, International Journal of Engineering Sciences & Research Technology, Vol. 05, Issue 11, pp. 378-385, November 2016. (Submitted in April 2017)
3. V. Udaya Bhanu, J. Venkateswara Rao, “**Influence of Glass Powder and Quartzite Rock Dust as Fillers in Stone Mastic Asphalt**”, International Journal of Engineering Research &

Technology (IJERT), Vol. 5, Issue no.11, pp. 222-226, November-2016, (Impact factor :1.76) (Indexed in: Google scholar/ Research gate) (ISSN: 2278-0181).

4. G.Venkata Rao and M.T.S.Lakshmayya, **“Construction of Sustainable Rigid Pavements by Usage of Vitrified Polish Waste Admixed Fiber Reinforced Concrete”**, International Journal for Research in Applied Science & Engineering Technology, Vol. 4 Issue 8, pp. 384- 396, August 2016. (Indexed in: Google scholar)(ISSN: 2321-9653)
 5. B.P.R.V.S.Priyatham and K.S.B.Prasad, **“Experimental Study on Stone Matrix Asphalt Using Polymers”**, International Journal of Modern Engineering Research (IJMER), Vol. 6, Issue 9, September 2016. (Indexed in: Index Copernicus) (ISSN: 2249–6645).
 6. K.Gopi Shankar, **“Experimental Study on Sand Replacement with Bagasse Ash & Crusher Stone Dust in Concrete Pavement”**, International Journal of Engineering Research and Development, Vol. 12, Issue 9, pp. 58-66, September 2016. (Indexed in: Google scholar) (e-ISSN: 2278-067X, p-ISSN: 2278-800X).
 7. J.Venkateswara Rao, K.Rambabu, K.Srinivasa Rao and N.Satish, **“ Effect of Accelerators on the Compressive Strength Development of Geopolymer Concrete Composites”**, International Journal of Research in Engineering and Technology, Vol. 5, Special Issue-14, MSRIT, ICRAES-2016, Civil Engineering, pp.74-79, September 2016. (Indexed in: Google scholar), (ISSN: 2321-7308).
 8. G. Aditya, M. T. S. Lakshmayya, **"Effective Utilization of Various Industrial Wastes in Concrete for Rigid Pavement Construction – A Literature Review"**, International Journal for Innovative Research in Science & Technology, Vol. 3, Issue 3, August 2016.
-

2015-16

National Conference:

1. J. Venkateswara Rao and K.S.B Prasad, **“Heat affected Concrete Structures”**, A one day national seminar, organized by Department of Civil Engineering, Andhra University, Visakhapatnam, 28th March 2016

2015-16

National Journal:

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2015-16

International Conference:

1. S.Siva Gowri Prasad, P.V.V. Satyanarayana, **“Improvement of soft soil performance using stone columns improved with circular geogrid discs”**, 2nd International Conference on Sustainable energy and Built Environment, VIT University, Vellore held during 10th to 12th March, 2016.
2. G.Venkata Rao and R.Srinivasa Rao, **“Ground Water Utilization and Sustainability: A Case Study of Pydibheemavaram Industrial Area, India”**, The International Conference of on Civil and Architectural Engineering (ICCAE) held in Sydney, Australia, on 15th April 2016.
3. G.Venkata Rao, P.Kalpana, R. Srinivasa Rao, **“Estimation of Aquifer Properties using Pumping Tests: Case Study of Pydibhimavaram Industrial Area, Srikakulam, India”**, Proceedings of the International Conference on Architectural and Civil Engineering, pp no. 3039-3043, held at Los Angeles, USA, during 28th -29th September, 2015.

4. K.S.B.Prasad and G.Venkata Rao, **“Travel Time Predictional Measures for Increasing Traffic Volume between Developing Rural Areas – A Case Study”**, Proceedings of International Conference on Advance in Engineering Research (ICAER2015), Vijayawada, during 19-07-2015.
5. R.Srinivasa Rao, **“Comparative Study and Capacity Analysis of Roundabouts under Heterogeneous Traffic Flow: A case study in Visakhapatnam”**, TYReS 2015, Transportation Division, Department of Civil Engineering, NIT Warangal, Warangal during 13th May, 2015
6. V.K.Chakravarthi, **“Investigation and modeling of distress in flexible pavements: A case study in Visakhapatnam”** Transportation Young Researchers Symposium (TYReS 2015), Sponsored by TEQIP II Organized by Transportation Division, Department of Civil Engineering, NIT, Warangal, Telangana, India, 10th -15th May 2015

2015-16

International Journal:

1. S.Siva Gowri Prasad, G. Divya, P.V.V. Satyanarayana, **“Improvement of Marine Clay Performance Using Geo-Textile Encased Stone Column”**, International Journal of Engineering Research and Applications, Vol. 5, Issue 10, pp 76-80, October 2015.
2. S.Siva Gowri Prasad, Y.Harish, P.V.V. Satyanarayana, **“Stabilization of Marine Clays with Geotextile Reinforced Stone Columns Using Silica-Manganese Slag as a Stone Column Material”**, International Journal of Computational Engineering Research (IJCER), Vol. 05, Issue 09, pp 05-12, September 2015.
3. M.T.S Lakshmayya, **“Design and Construction of Rural Road from Boppudi - Kotavaripalem in Andhra Pradesh-A Case Study”**, International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 4. Issue 2, pp. 462-468, February 2016.
4. J.Venkatewara Rao, **“Effect of Inclusion of Glass Fibers and Fly ash in Concrete Paver Blocks”**, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 3, Issue IX, September 2015.
5. J.Venkatewara Rao, **“Effect of Inclusion of Glass Fibers and GGBS in Concrete Paver Blocks”**, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Vol. 12, Issue 5, Ver. III, pp 81-88, September – October, 2015.
6. J.Venkatewara Rao, **“Innovative Use of Quartzite Rock Dust and Effect of Glass Fibers in Rigid Pavements”**, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 3, Issue IX, September 2015.
7. J.Venkatewara Rao, **“Techno Economical use of Quartzite Rock Dust and Effect of Glass Fibers in Rigid Pavements”**, International Journal of Engineering Research and General Science, Vol. 3, Issue 5, September-October, 2015.
8. R.Srinivas Rao **“Application of Tanner’s Model to estimate capacity & delay for Roundabouts”**, Acta Engineering International Journal, Vol. 3, Issue 01, pp No: 53-62, Article15.1027/AE 302046071.
9. K.Gopisankar, **“Locational Traffic Modelling- A Case Study”**, International Journal of Engineering Research & Technology (IJERT), Vol. 4, Issue 9, September-2015
10. M.T.S.Lakshmayya & K.S.B.Prasad, **“Improvement in CBR Value of Black Cotton Soil by Stabilizing it with vitrified polish Waste”**, International Journal of Innovation Research in Science, Engineering and Technology, Vol. 4, Issue 8, pp 2347-6710, August 2015.

11. B.Someswara Rao & G.Venkata Rao, “**Experimental Studies on Laterite Soil Stabilized with Cement and Aggregate**”, International Journal of Research in Engineering and Technology , Volume: 04, Issue:08, August-2015.
 12. G.Venkata Rao “**Rainfall –runoff modeling using reression analysis – A Case study of Vamsadhara river basin of Gotta Barrage**”, Indian Journal of Environmental protection Volume: 35, No. 1, pp 573-580, July 2015. (SCOPUS Indexed)
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2014-2015

National Conferences:

1. V.K.Chakravarthi, “**Stability studies on Reinforced Embankments on soft ground with Transverse pull in Reinforcement**”, Indian Geotechnical Conference, Geotechnics for Inclusive Development of India (GEOIND), JNTUK, Kakinada, 18th to 20th Dec, 2014.

National Journals:

Nil

International Conference:

1. G.Venkata Rao, “**A state level Seminar on the EVE of World Water Day**“, Water Resources of Andhra Pradesh 2015 Technologies, Solutions and Opportunities WRAP 15, organized by Dept. of Civil Engineering, MVGR College of Engineering, Vizainagaram, 19th March, 2015.
2. R.Srinivasa Rao, “**Comparative study on analysis of roundabouts under non homogeneous traffic flow**”, International Civil Engineering Symposium(ICES2K15), VIT, Visakhapatnam, 12th & 13th March, 2015.
3. V.K.Chakravarthi, U.Rajesh, S.Satish “**Studies On Engineering Performance of Geogrid Reinforced Soft Subgrade**” , Proceedings of International Conference, TPMDC 2014, IIT Bombay, Paper ID: 56, February, 2015.
4. G.VenkataRao, P.Kalpana, R. Srinivasa Rao, “**Infiltration Study for Hazardous Substance Release Site - A Case Study**”, International Conference on Advances in Sustainable Materials and Innovative Technologies in Civil Engineering (ICASMITCE- 2014), Nehru Institute Of Technology, Tamil Nadu, during 5th and 6th December, 2014.
5. G.Venkata Rao and P.Kalpana , “**Assessment of Ground Water Quality in and Around Pydibhimavaram Industrial Area, AP, India**”, International Conference on Environmental Systems Research (ICESR 2014), held at Malaysia, during 14th and 15th December, 2014.

International Journals:

1. S.S.G. Prasad, “**Estimation of Capacity at Un-Signalized Intersections under Mixed Traffic Flow Conditions**”, American Journal of Engineering Research (AJER), Volume-3, Issue-11, pp-213-221, December, 2014
2. Unnam Rajesh, VK Chakravarthi “**Influence of fines (%) and geo-grid reinforcement on engineering properties of subgrade – A lab Study**” International journal of Engineering Research and Development”, Journal of civil Engineering, Vol. 10, pp. 08–17, August 2014.
3. B.Vindyasri, K.Gopishankar “**Improvement to Village road Based on Traffic Characteristics**”, International Journal of Engineering Research and Applications, Vol.4,pp.30-33, August 2014.

4. T.Kiran Kumar, R Srinivasa Rao, **“Traffic Accident Analysis Using GIS-A Case Study”** International Journal of Scientific Research and Education Vol-2, Issue-9, pp-1813-1823 September – 2014.
5. S Siva Gowri Prasad, S Ramesh, Ch Suresh **“A Study on gap-Acceptance of un signalized inter section under mixed traffic conditions”**, International journal of research in Engineering And technology Vol-03, Issue-08 pp-289-294,September – 2014
6. K V Subrahmanyam, U Arun kumar, PVV Satyanarayana **“Comparative Study on Utilization of Waste Materials in GSB Layer”** SSRG International journal of Civil Engineering (SSRG-IJCE) Vol-1, Issue-3 pp-10-14 August-2014
7. G Navya, J Venkateswara Rao, **“Influence of polyester fiber on concrete paver blocks”**, IORS Journal of Mechanical and Civil Engineering (IOSR-JMCE) Vol-11, Issue-4, pp-70-75 August-2014
8. G Navya, J Venkateswara Rao, **“Experiment Investigation on properties concrete paver block with the Inclusion of natural fibers”**, International journal of Engineering Research and Applications Vol-4, Issue-8, pp:34-38 August-2014
9. S.Siva Gowri Prasad, Suresh Kumar .Ch, Ramesh Surisetty, **“Stabilization of pavement subgrade by using fly ash reinforced with geotextile”**, International Journal of Research in Engineering and Technology, Volume: 03, Issue: 08, pp 255-259, Aug-2014
10. Kiran B.Biradar, U Arun Kumar, P V V Satyanarayana **“Influence of Steel Slag and Fly Ash on Strength Properties of Soil: A Comparative Study”** International Journal of Engineering Trends and technology (IJETT) Vol : 14 Number : 2 pp 61 – 64 August -2014
11. U Arun Kumar, Kiran B.Biradar, **“Soft subgrade stabilization with Quarry Dust – An Industrial waste”** International Journal of Research in Engineering and technology Vol : 03, Issue : 08, pp – 409-412, August – 2014
12. Minati Kumari Padhi, K Gopishankar, **“Cost effective of road widening from single lane to double lane (Parlakhemundi-mohana road,SH-34) chain ages 0km to 5km”** IOSR Journal of mechanical and Civil Engineering (IOSR-JMCE) Vol : 11, Vers : 8 pp-43-45 , Jul-Aug.2014
13. U.Arunkumar, **“Utilization of Industries waste Maternal in GSB layer”**, International Journal of Engineering Research & Applications, Vol. 4, Issue 8, pp 61-64, August 2014
14. V.K.Chakravarthi, **“Laboratory and Field Performance of stabilized soft subgrade”**, American Journal of Engineering Research (AJER), Vol. 03, Issue 08, pp 273-283, 2014.
15. J.Venkateswara Rao, **“Experimental study on behavior of fiber reinforced concrete for rigid pavements”**, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) Vol. 11, Issue 4, PP 49-53, Jul- Aug. 2014.

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2013-2014

National Conferences:

1. V.K.Charavarthi **“Effect of transverse Pull in reinforcement on stability of reinforced embankment on Non-homogeneous soft ground”**, Proceedings of Indian Geotechnical Conference, IGC 2013, conducted at IIT Roorkee during 22 to 24th December 2013
2. G.Venkata Rao, **How urbanisation affects the water cycle National Conference on Sustainable water Resource management (SWARM)** , 21st to 22nd February 2014, Department of Civil Engineering, MVGR College of Engineering and AICTE, New Delhi

National Journals: Nil

International Conference:

1. K.Gopi Shankar “**Remedies for major cracks in structures- a case study**”, Proceedings of the second International Conference on Advances in materials and Techniques in Civil Engineering,(ICAMAT-2014), Jan,9th to 11th January , 2014 Department of Civil Engineering Sri Krishna College of Technology, Kovaipadur, Coimbatore-641042, Tamilnadu, India. Page No. 178-182

International Journals:

1. U.Arun Kumar Studies on Polymer Modified Bitumen – A Laboratory Approach International Journal of Civil Engineering Research (IJCER) ISSN: 2278-3652, Vol: 4, No. 2, August-2013.
2. Dr V.Ramakrishna “**Life Cycle Assessment Model for Integrated Solid Waste Management**”, International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 9, September – 2013,pp 1742-1748, ISSN: 2278-0181
3. Dr V.Ramakrishna “**Effect of Biot Number in Batch Studies of Adsorption**”,International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 10, October – 2013,pp 587-595, ISSN: 2278-0181
4. S.S.Gouri Prasad, Chakravarthi.VK “**Index and engineering properties of spent wash blended soils- A Comparative study**”, International Journal of Research Engineering & Technology (IJERT) Vol. 2 Issue 10, October – 2013, pp: 194-197, eISSN: 2319-1163 | pISSN: 2321-7308.
5. Venkateswararao J “**Comparative study on mechanical properties of geopolymers and their composites**”, ARPN Journal of Engineering and Applied Sciences VOL. 8; NO. 10; pp 800-805, OCTOBER 2013. (SCOPUS Journal)
6. Chakravarthi,V.K, Jyotsna.B “**Efficacy of overlying coarse aggregate and Geosynthetic separator on CBR value for Soft subgrade of varying plasticity - a lab study**”, IJRET: International Journal of Research in Engineering and Technology Vol.2 , Issue 12, December 2013, pp: 749-755, eISSN: 2319-1163 | pISSN: 2321-7308
7. B.Jyotsna and V.K.Chakravarthi “**Improvement in CBR Performance of High Plastic Soft Subgrade by Placing Stiffer Aggregate Overlying Layer - A Lab Study**”, International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 12, December – 2013, pp 3262-3265
8. U.Arun Kumar “**Bulk utilization of flyash lime sodium silicate mixes in geotechnical applications International journal of Pollution Research**”, Vol.32, Issue 02, 2013; Page No: 353-356
9. K. S. B. Prasad “**Study and Analysis of Public and Private Transport Accessibility**”, International Journal of of Engineering Research & Technology Volume 3, Issue 1, January - 2014) e-ISSN: 2278-0181
10. Dr V.Ramakrishna “**A Study on Ground Water Quality Comparison**”, International Journal of Engineering Research & Technology (IJERT) Vol. 3 Issue 2, February – 2014, pp 819-822
11. K.S.B.Prasad “**Developing the Accessibility Levels of Rural Area**”, International Journal of Engineering Research and Development Volume 9, Issue 11 (February 2014) 37-43

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2012-2013

National Conferences:

Nil

National Journals:

Nil

International Conference:

1. V.K.Chakravarthi, K.Ramu and M.R.Madhav “**Stability of basal reinforced (inextensible) embankments on soft ground: Effect of oblique pull in reinforcement**” GEOSYNTHETICS ASIA 2012, Proceedings of 5th Asian Regional Conference on Geosynthetics, , Bangkok, Thailand. pp: 743-748, 10 to 14 December 2012.
2. V.K. Chakravarthi “**Correlation between Dynamic cone penetration index (DCPI) and other Engineering Properties for soil subgrade**” Intl. conference TPMDC, IIT Bombay, Mumbai, December 12-14, 2012.

International Journals:

1. G. Venkatarao, S. Chandramouli and K. Sundara Kumar, “**Estimation of Infiltration Characteristics of Coastal Belt of Srikakulam**” International Journal of Indian Journal of Environmental Protection, VOL.32, NO.5, published by Kalpana Corporation, Varanasi – 221010. Page No. 375-382 May, 2012. (SCOPUS Indexed)
 2. B.N.D. Narasinga Rao “**Pavement Design of NH – A case study on reducing pavement thickness**” International Journal of Engineering research and applications Vol.2, , ISSN: 2248-9622, IJERA Issue of July -August , 2012
 3. K.S.B. Prasad “**Utilization of Waste Plastic As A Strength Modifier In Surface Course Of Flexible And Rigid Pavements**” International Journal of Vol. 2, Issued 4, ISSN: 2248-9622, IJERA, pp.1185-1191, July-August 2012.
 4. U. Arun Kumar “**Shape Analysis of Bituminous Mixer with SBR**” International Journal of Engineering Research and Development (IJERD), Vol.2 Issue 8 pp 21-28. August, 2012.
 5. J. Venkateswara Rao “**Influence of Synthesizing Parameters on the Compressive Strength of Geo-Polymer Mortar**” International Journal of Advanced Material Science (IJAMS). ISSN 2231-1211 Vol.3, No. 3 pp. 147-152, November, 2012.
 6. Ch.Deepika and V.K.Chakravarthi “**Evaluation of properties of soil subgrade using Dynamic Cone Penetration Index – A Case Study**” International Journal of Engineering Research and Development, Vo. 4, issue4, pg. 07 to 15, 2012.
 7. G. Venkatarao, P.Kalpana, P.V.V.Satyanayana “**Surface and Sub surface runoff estimation by using RS & GIS – A case study of Srikakulam coastal belt. A.P**” International Journal of Scientific & Engineering Research, ISSN 2229-5518, Volume 4, Issue3, March, 2013.
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2011-12

National Conferences:

1. V.K. Chakravarthi “**Stability of Basal Reinforced Embankment on Soft Soils- Effect of Rill and Soft Soil Thickness on Reinforcement Force**” Indian Geotechnical Conference – IGC2011, Kochi, Kerala, India., December 2011.

National Journals:

Nil

International Conference:

1. KVR. Ravi Shankar “**Advances in Materials and Techniques for infrastructure Development (AMTID 2011)**” International Conference on Department of Civil Engineering, National Institute of Technology, Calicut, September 28-30, 2011.
2. K. Gopi Sankar “**Utilization of Sugar Cane Bagasse Ash (SCBA) & GGBS in Concrete by Partial Replacement of Cement**” on Sustainability Challenges & Advances in

Concrete Technology (SACT 2012) International Conference at PSG College of Technology Coimbatore on May 2- 4, 2012.

International Journals:

1. G. Venkata Rao, S. Chandra Mouli “**Spatial Distribution and Multiple Linear Regressions Modeling of Ground Water Quality with Geostatistics**” International Journal of Applied Engineering Research ISSN 0973-4562 Volume 6, Research India Publications, pp. 2719-2730, Number 24, 2011 (SCOPUS Indexed)
2. G. Venkata Rao “**Degradation of Kolleru Lake Basin (India) using Remote Sensing and Geographical Information System**” International Journal of Lakes and Rivers. ISSN0973-4570 Volume 5, pp. 1-6, Number 1, 2012
3. G. Venkata Rao “**Assessment of Reduction in Area of Lake Body due to Impact of Aquaculture in Kolleru Lake Basin, India using GIS**” International Review of Applied Engineering Research. ISSN 2248-9967 Volume2, pp. 37-42, Number 1, 2012 (SCOPUS Indexed)
4. A. Vara Prasad “**Degradation of Kolleru Lake Basin (India) using Remote Sensing and Geographical Information System**” International Journal of Lakes and Rivers. ISSN0973-4570 Volume 5, pp. 1-6, Number 1, 2012

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2010-11

National Conferences:

1. V.K.Chakravarthi “**Pseudo-static Seismic Stability of Basal Reinforced Embankment with Oblique Pull**” Proceedings of the Indian Geotechnical Conference (IGC-2010) IIT Bombay, Mumbai, India, Dec 16-18, 2010.
2. 2.G. Venkata Rao “**Saltwater Intrusion in Coastal Aquifers**”. Brain Storming Session Sponsored by DST in New Delhi, organized by Center for Studies on By of Bengal A.U, Visakhapatnam, August 27 – 28, 2010
3. 3.CH. Kannam Naidu, S. Chandra Mouli, G. Venkata Rao “**Remote Sensing and Geographical Information system (RS & GIS) for Rainwater Harvesting: A CaseStudy**” National Conference Department of Geophysics, Andhra University, Visakhapatnam, February 11 – 12, 2011
4. 4.J. Venkateswara Rao & K. Gopi Sankar “**Study of Mechanical Properties of SCC with varying Proportions of FA and RHA**” National Conference, ICI-ACECON, III Madras, Chennai, India, December, 5 – 9, 2010
5. 5.K. Gopi Sankar & J. Venkateswara Rao “**An Experimental Study of Strength Parameters in Concrete by Partial Replacement of Cement with Mineral Admixtures (GGBS, RHA, WWA)**” National Conference, on 21st Century Emerging Trends in Civil engineering globe (TCETCG), Department of Civil Engineering, KSRM College of Engineering, Kadapa, Andhra Pradesh, India, September 3-4, 2010

National Journals:

Nil

International Conference:

Nil

Inter National Journals:

1. G. Venkatarao & S. Chandramouli, “**Assessment of Groundwater Recharge in Vizianagaram District area**” International Journal International Journal of Engineering Research and Industrial Applications (IJERIA), Vol. 3, No. IV, 87-92, November, 2010
 2. U. Arun Kumar “**Experimental Studies on use of Polyethylene in Asphalt mixtures for Pavement Construction**” International Journal International Journal of Applied Engineering Research ISSN 0973-4562 Volume 5, pp.3323-3332, Number 20th 2010 (SCOPUS Indexed)
 3. S. Chandramouli “**Comparison of Stochastic and fuzzy dynamic Programming models for multipurpose reservoir operation**” International Journal Water & Environment Journal (ISSN1747-6585), 2011
 4. D. Ravi Prasad “**A study on change in modal parameters of RC beams due to fatigue type damage**” International Journal Asian Journal of Civil Engineering, Vol.11, No.4,2010
 5. D. Ravi Prasad “**Investigation of vibration characteristics of RC beams due to induced damage**” International Journal of Earth Science and Engineering (IJEE), Vol.3, No.3,2010, PP386-395.
 6. S. Chandra Mouli “**Reliability based Optima Design of a Water Distribution Network for Municipal Water Supply**” International Journal of Engineering and Technology (IJET).
 7. G. Venakta Rao, Professor “**Contamination of Ground Water in Srikakulam Coastal Belt due to Salt Water Intrusion**” International Journal of Engineering and Technology (IJET) ISSN:0975-4024,Vol.3 (1), 2011, 25-29
 8. K. Sundara Kumar & Ch. Kannam Naidu “**Ground water Quality Assessment of Srikakulam District of Andhrapradesh, India, using GIS**” International Journal of Applied Environmental Sciences ISSN 0973-6077 Research India Publications. Volume 5, pp. 495-504 Number 4, 2010 (SCOPUS Indexed)
 9. G.Venkata Rao & S.Chandra Mouli “**Anti Skid Methods And Meterials- Skid Effects And Their Remedial Methods**”, International Journal of Engineering Technology, Vol-2(2), 87-92, 2010.
 10. S.Chandramouli “**Development Of Optimal Operating Policy For Srisailam Multi Purpose Reservoir (Neelam Sanjeeva ReddySagar)Using Dynamic Programming**” International Journal of Civil Engineering Volume 1. Number 2. Serials Publications,87-99, July-December, 2009.
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2009-10

National Conferences:

1. V.K.Chakravarthi “**Collapse Height of Reinforced embankments over non-homogeneous soil with oblique pull**”, IGC 2009 (GEOTIDE), National Conference, R.V.R.& J.C.College of Engineering,Guntur, Feb,18th -20th 2010.

National Journals:

NIL

International Conference:

1. S.Chandramouli “**Comparative Study of Static Analysis of looped water distribution networks by various numerical iterative methods**”, INDIA 2010 (International

- Conference), EWRI of ASCE and IIT.,Chennai, 5thJan-7thJan 2010
2. G.Venkatarao, and S.Chandra Mouli “**Alternative Proposals for meeting Water Demand Water Demand of Grater Vishakhapatnam Municipal Corporation**”, ICHWAM 2010, International Conference, JNTU , Hyderabad, 3rd – 6th Feb 2010
 3. Ch.Suryanarayana and S.Chandra Mouli “**Design of Unlined channels using tractive Force Method**” ICHWAM 2010 International Conference, JNTU Hyderabad, 3rd – 6th Feb 2010.
 4. V.K.Chakravarthi “**Stability of Basal Reinforced Embankment on Soft Foundation Soil Considering Oblique Pull**” 2nd International Conference on Long-term behavior of dams, Graz University of Technology, Austria, 12-13 October 2009.

International Journals:

1. G.Venkatarao, and K.Sundara Kumar “**Pesticide transport in Kolleru lake basin**” International Journal, International Journal of Applied Environmental Sciences, ISSN 0973-6077 Volume 4, Research India Publications, pp. 405–411, Number 4, 2009 (SCOPUS Indexed).
 2. G.Venkatarao, “**Estimation of Dispersion Coefficient by using Mathematical Model of Upputeru River at Estuary**”, International Journal of Dynamics of Fluids, ISSN 0973-1784 Volume 5, , © Research India Publications pp. 173–178, Number 2, 2009
 3. K Sundara Kumar, “**Environmental Impact Assessment of a Proposed Bauxite mining using Rapid Impact Assessment**” International Journal of Applied Environmental Sciences, ISSN 0973-6077 Volume 5, Research India Publications, pp. 29–38, Number 1, 2010 (SCOPUS Indexed)
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2008-09

National Conferences:

1. V.K.Chakravarthi, “**Index and Engineering Properties of Glass fibre Reinforced Soils – A comparative Study**”, Second Indian Young Geotechnical Engineers Conference at Department of Civil Engineering University College of Engineering, JNTU, Kakinada & IGS Kakinada Chapter, 14th March – 15th March, 2009
2. K. Gopi Shankar, “**Effective Admixtures on the Strength Properties of Fly Ash Fiber Reinforced Concrete**”, National Conference on Advances in Construction materials, Methodologies and management (AC3M-09) at Hyderabad, India, 21st January – 22nd January, 2009.

2008-09

National Journals:

NIL

2008-09

International Conference:

1. K Rajeswara Rao “**Chemical contamination and its effects on physico-chemical behaviour of Bentonite and Kaolinite- A comparison**”, IGC-2008, IISc.,Bangalore, 17thDec-19thDec 2008

2. Ch. Suryanarayana “**Optimal Dewatering system in Subsurface Zone Using Bacterial Foraging Technique**”, International Conferenece on Water, Environment, Energy and Society, Proceedings of WEES – 2009 at New Delhi, 12th January – 16th January, 2009
3. Ch. Suryanarayana, “**Design of Cost Effective Dewatering System in Subsurface Zone**’, International Convention on Water Resources Development and Management at Civil Engineering Group BITS Pilani, 23rd October – 26th October,2008

2008-09

International Journals: NIL

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2007-08

National Conference: Nil

National Journals:

1. D.Ravi Prasad “**A Study on Dynamic Characteristics of Structural Materials using modal Analysis**”, Asian Journal of Civil Engineering, Vol 9., PP 51-62, 2008.

2007-08

International Conference:

Nil

2007-08

International Journals: Nil

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2006-07

National Conferences: Nil

2006-07

National Journals:

1. M.Murali “**Reuse of plythene waste in road construction**” N.E.E.R.I. Journal of Environmental Science & Engineering, ,49 (1):pp 67-70, January, 2007

2006-07

International Conference: Nil

2006-07

International Journals:

1. V.K.Chakravarthi “ **Efficacy of Pre loading combined with prefabricated vertical band drains in improving a clayey silt stratum in-situ**” Journal Ground improvement(London), Vol 4.No,PP 147-152, 10th October, 2006
 2. M.Murali “ **Assessment of Noise level due to vehicular traffic at Warangal City, (India)**” International Journal Of Environment& Pollution, Inderscience Publications, U.K., Vol,30 No.1 JAN-2007.
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2005-06

National Conferences: Nil

2005-06

National Journals: Nil

2005-06

International Conference: Nil

2005-06

International Journals: Nil

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