

Publication Data 2024-2025

S.No	Name of Faculty	Title	Journal details	Scopus/SCIE	Calender Year
1	Kasagani, H., Srinivas, C., Anjaneyula Naik, K., Teja P, S. R. R., & Phani Swethaswari, S. S.	An experimental investigation on the corrosion resistance and bond behaviour of concrete reinforced with stainless steel and carbon steel bars – a comparative study	Journal of Building Pathology and Rehabilitation	SCOPUS	2024
2	P Dewangan, G Sriram, VP Mahale, VK Gaddam	A recent catastrophic submarine slope failure in the Krishna-Godavari basin, Bay of Bengal, India	Landslides	SCI	2024
3	VK Gaddam et al.	Mass Balance Assessment Using the “AARTI” Approach in the Baspa Basin, Indian Himalayas	Remote Sensing in Earth Systems Sciences	SCOPUS	2024
4	Ray, A., Raavi, S., Gaddam, V. K., Prasad, S. K., Ranjan, R., & Gangadhar, K.	Leveraging Machine Learning and Google Earth Engine for Snowline Altitude Analysis: Insights from the Parbati Basin, India	International Journal of Geoinformatics	SCOPUS	2024
5	ZA Urmi, A Yerro, A Saeidi, RVP Chavali	Prediction of retrogressive landslide in sensitive clays by incorporating a novel strain softening law into the Material Point Method	Engineering Geology	SCI	2024
6	LM Bouharaoua; RVP Chavali; Y Lévesque; A Saeidi	Probabilistic and Deterministic Approach to define the Vertical Stress in Inclined Mine Stopes	International Journal of Geomechanics	SCI	2024
7	Venkatesh, C., Mallikarjuna, V., Rao, G. M., Patil, S. K., kiran, B. N., Yashwanth, M. K., ... & Sree Lakshmi Devi, G.	Synergistic effects of graphene oxide and limestone calcined clay cement on mechanical properties and durability of concrete	Journal of Building Pathology and Rehabilitation	SCOPUS	2024
8	Banerjee, K., Mallikarjuna, V., Chadee, A., Smith, I., Lakshmidhevi, S., Singh, K., ... & Azamathulla, H.	Water Distribution Network Leakage Analysis Using Watergems: A Case Study From Westmooring, Trinidad And Tobago.	Larhyss Journal	SCOPUS	2024
9	Rao, M. K., Narra, M., Srinivas, C., & Kiran, P. M.	Performance based evaluation on strengthening of flexible pavement using sbr and rice husk ash as filler material	Journal of Physics: Conference Series	SCOPUS	2024

10	Afreen, M., Suma, Y., Sri, M. S., Rohit, G., & Raju, J. D. A.	Low cost water purifier using natural and waste material.	Journal of Physics: Conference Series	SCOPUS	2024
11	Kruthika, K., Suma, Y., Naik, M. A. T., Chowdary, N. N., & Sai, P. P.	Experimental investigation on partial replacement of coconut shells as coarse aggregate and rubber as fine aggregate in concrete.	Journal of Physics: Conference Series	SCOPUS	2024
12	Reddy, B. C. K., Gayatri, A., Prasanna, P. K., Naik, B. K. S., Jeenith, G., & Narasimha, G.	Effect of Granite Slurry Powder on Characterization of Geopolymer Concrete.	Journal of Physics: Conference Series	SCOPUS	2024
13	Reddy, B. C. K., Sameer, S. K., Ramesh, V., Sriya, B., Gayatri, A., & Babu, K. M.	Sustainable Development of 3D-Printable Quaternary Geopolymer Concrete.	Journal of Physics: Conference Series	SCOPUS	2024
14	Prathipati, S. T., Vardhan, J., Murali, D., Nithin, C., & Sai, C. K.	An experimental study on the effect of a Viscosity Modifying Agent on the rheological and strength behaviour of 3D Printed Concrete.	Journal of Physics: Conference Series	SCOPUS	2024
15	UV Narayana., & Kumar, C. N. S.	Comprehensive review on fresh and hardened properties of self compacting concrete with industrial wastes.	AIP Conference Proceedings	-	2024
16	Malathi Narra, Meghna Vij, K. S. Shreenidhi, Harishchander Anandaram, B. S. Hari, S. Boopathi	Redefining Sustainability in Building Practices in Circular Construction Process	Innovations in Energy Efficient Construction Through Sustainable Materials	SCOPUS	2024
17	Malathi Narra, Harsha Vardhan Reddy, Vinay Kumar Gaddam, Shashidhar Raju Nandhuri, Tejaswini Vallepu, Sai Sumath	Application of Google Earth Engine NDVI Trend to Study Yield of Sugarcane Crop Using Sentinel 2 Data	Navigating Usability and User Experience in a Multi-Platform World	SCOPUS	2024
18	Vinay Kumar Gaddam	Estimates of Glaciers Mass balance and volume in Baspa basin, Indian Himalaya	Journal of the Indian Society of Remote Sensing	SCIE	
19	Malathi Narra ¹ , Molugaram Kumar 2	Reduction of Delays at Isolated Signalized Intersection using Novel Golden Eagle-Based Fuzzy Signal Controller	Transportation Research Procedia Volume 82, 2025, Pages 3752-3767	SCOPUS	2025
20	M. S. Deshmukh ¹ , M. M. Deshmukh ^{2*} and S. F. R. Khadri ³	Palaeomagnetic Polarity of the Deccan Basalt Lava Flows, Exposed Around Eastern Part of Amaravati city, Central India: Implications of N-R Sequence	Journal of Scientific Research, ISSN 2070-0237	UGC CARE	2025
21	Yassine Brahami, Mathieu Fiset, Ali Saeidi, Kadiata Ba, and Rama Vara Prasad Chavali	Effect of Cement Replacement by Bauxite Residue on Mechanical Properties of Concrete	ACI MATERIALS JOURNAL	SCIE	2025

22	Musa Adamu*, Yasser E. Ibrahim, Anuja U. Charpe, and Ashwin Narendra Raut	Multicriteria-based optimization and multivariable non-linear regression analysis of concrete containing blends of nano date palm ash and eggshell powder as cementitious materials	Nanotechnology Reviews 2025; 14: 20250141	SCIE	2025
23	S Mahanthi1*, M Kantarao2, S Uma Maheswara Rao1, M Niharika1 and Sk Shami Munnisa1	Sustainable mix design for 3D printable concrete	International Conference on Materials Innovation and Sustainable Infrastructure, Journal of Physics: Conference Series 2779 (2024) 012052	SCOPUS	2024
24	Satish Sajja	Real-time Traffic and Traffic Flow Prediction using Machine Learning Algorithm for Optimal Route Planning in Electric Vehicles	IEEE Conference 2024 Second International Conference Computational and Characterization Techniques in Engineering & Sciences (IC3TES) Lucknow, India. Nov 15-16, 2024	SCOPUS	2025
25	R. Maguteeswaran, Lakshmi Keshav, A. Sagai Francis Britto, And D. Dhavashankaran	Investigation On Enhanced Concrete Performance Through The Incorporation Of Nanomaterials And Natural Fibers	Surface Review And Letters	SCIE	2024
26	J. Rangaiah, V. Mallikarjuna, P. Udaya Bhaskar	Identify The Optimal Approach For Population Forecasting To Estimate The Water Requirements Of Individual Villages	Journal Of Environmental Protection And Ecology 26, No 1, 169–178 (2025)	SCOPUS	2025
27	Tirumala Yeruva1 · Venkata Rama Subba Rao Godavarthi1	Enhanced durability of natural geotextile treated with blended agro-industrial turmeric spent powder and soap nut: a sustainable bio-based treatment	Biomass Conversion and Biorefinery	SCIE	2025
28	Yeswanth Paluri1, S.R.R. Teja Prathipati2, Vijay Kunamineni3, V. Bhavitha Chowdary4, Tottaramudi Pavan Kumar5	Sustainable Paving Solutions: Laboratory Analysis of Geopolymer Paver Blocks with Reclaimed Asphalt Pavement Aggregates	SSRG International Journal of Civil Engineering	SCOPUS	2025
29	Sobhana Mummaneni1, Vinay K. Gaddam2, Gnana S.S.V. Mendu1, Nihitha Vemulapalli1, Smitha C. Ch3,	Assessment and Prediction of Water Yield in the Chandra Basin, Western Himalaya, India: Using	John Wiley & Sons Ltd.	SCOPUS	2025

	and Sayyad Fazal Rahman Khadri ²	Physical Basis SWAT Model and Machine Learning			
30	S.F.R. Khadri ¹ , S.F.A. Khadri ² , Mayura D. Deshmukh ³ , and Vinay K. Gaddam ¹	Management of Water Resources Through the Application of Geographic Information Systems and Remote Sensing for Satpuda Mountainous Terrain, Madhya Pradesh, India	John Wiley & Sons Ltd.	SCOPUS	2025
31	Lakshmi Keshav	Improving forecasting of concrete strength using advanced machine learning methods	Revista materia	SCOPUS	2025
32	Malathi N, Harsha Vardhan C H, Poulesh J & Tejaswi N	Soil Slope Stabilization using MSW Incineration Ash	Irresistible India: A Global Engineering Powerhouse	OTHERS	2025
33	Malathi N, Poulesh J, Tejaswi T, Gopi Sai Ch & Mahitha A	Traffic Signal Optimization and Synchronization using PTV Vissim	Irresistible India: A Global Engineering Powerhouse	OTHERS	2025
34	A. Sandeep Reddy & Ch. Rama Vara Prasad	Sustainable Utilization of Magnesia Activated Blast Furnace Slag in Non-fired Stabilized Earthen Blocks	Ground Engineering and Applications, Indian Young Geotechnical Engineers Conference, Lecture notes in civil engineering	SCOPUS	2025
35	Mahesh Babu Puttapakula & N. R. K. Murthy	Soil Liquefaction Susceptibility in Coastal Region of Andhra Pradesh	Soil Dynamics and Computational Geomechanics, Indian Young Geotechnical Engineers Conference, Lecture Notes in Civil Engineering ((LNCE, volume 428	SCOPUS	2025
36	Vidya Sai Chiranjeevi Chavali & N. R. K. Murthy	Influence of Geotechnical Parameters on Construction Aspects of Highway Projects	Soil Dynamics and Computational Geomechanics, Indian Young Geotechnical Engineers Conference, Lecture Notes in Civil Engineering ((LNCE, volume 428	SCOPUS	2025
37	Supriya Janga, U.V. Narayana Rao, Ashwin Narendra Raut, N. Venkata Sairam Kumar	Critical Assessment of Geopolymer Properties for Structural Fire-Resistant Applications: A Critical Review	Journal of Advanced Research in Micro and Nano Engineering, 35, Issue 1 (2025) 21-44	SCOPUS	2025
38	Nikhil Sharma, Thierry Adatte, Torsten Vennemann, Blair Schoene, Gerta Keller, Syed F.R. Khadri	Paleoenvironmental implications of Deccan volcanism relative to the Cretaceous-Paleogene (K-Pg) mass extinction: evidence from the 'red bole'	Gondwana Research, 146 (2025) 54–65	SCIE	2025

		record			
39	Chava Venkatesh, T. Muralidhara Rao, Takkellapati Sujatha, Cherreddy Sonali Sri Durga, Ramamohana Reddy Bellum, Meseret Getnet Meharie and Bypaneni Krishna Chaitanya	Synergistic integration of geopolymer coatings and concrete for enhanced corrosion protection: performance and economic assessment	Journal of Infrastructure Preservation and Resilience	SCOPUS	2025
40	Malathi Narra, Dharmika Chowdary Karusala, Sai Satya Sreya Godi, Raja Sankhar & Galla Yaswanth	Evaluating Bitumen Mix with a Blend of RHA and Synthetic Material: A Comparative Perspective	Advances in Environmental Sustainability, Energy and Earth Science , lecture notes in civil engineering	SCOPUS	2024
41	Yassine Brahami, Mathieu Fiset, Ali Saeidi, Kadiata Ba, and Rama Vara Prasad Chavali	Uniaxial Compressive Stress–Strain Model for Bauxite Residue Concrete	Journal of Composites Science	SCOPUS	2025
42	M Kanta Rao, Akshay J, Laeth H. J. Hamza, Shruthi B S, K. Rajeshkumar	Compressive Sterngth Analysis of Glass Fiber Reinforced Concrete with Recycle Aggregates using Long Short Term Memory	2025 3rd International Conference on Integrated Circuits and Communication Systems (ICICACS)	SCOPUS	2025
43	M Kanta Rao, Megha Kulkarni, Ahmad Hossen Elawdi, P. Murthi, S. Mohankumar	Strength Analysis using Weighted Random Forest based on Chemical and Environmental Properties of Concrete	2025 3rd International Conference on Integrated Circuits and Communication Systems (ICICACS)	SCOPUS	2025
44	Vudata Harsha Sai; N. Lingeshwaran, P. K. Prasanna, George Fernandez Raj, P. Jayanthi	Flexural behavior of GFRP rebars and steel rebars with polypropylene fibers and fly ash-based concrete	Research on Engineering Structures & Materials	SCOPUS	2025
45	Takkellapati. Sujatha, Moturu. Tej Sai, Ayinala. Naga Sai, D. S. R. Murty	Thermal Performance and Sustainability Assessment of Nano- Silica Modified Slag Based Recycled Aggregate Concrete	Civil Engineering and Architecture	SCOPUS	2025
46	G. Lal Siva prasad, B. Venkat Rao	Behavior Study of Two Decked Cables Stayed Concrete Bridge Under Modal Frequency Analysis	International Journal of Environmental Sciences	SCOPUS	2025