

## Publication Data 2025-2026

S.No	Name of Faculty	Full Title of the Paper	Journal / Conference Details	Scopus/SCI	Year
1	Chava Venkatesh, Cheretty Sonali Sri Durga, Takkellapati Sujatha, Ramamohana Reddy Bellum, Bypaneni Krishna Chaitanya, Meseret Getnet Meharie	Microstructural evolution and mechanical property enhancement of red mud incorporated high strength concrete	Scientific Reports	SCIE	2025
2	Sarah Jacob, Ali Saeidi, Abouzar Sadrekarimi, Rama Vara Prasad Chavali	Geotechnical characterization of Laflamme clays from the Lac-Saint-Jean basin, Quebec	Engineering Geology	SCIE	2025
3	Hanuma Kasagani, Praveen Oggu, S. R. R. Teja Prathipati, B. Murali Krishna, Srikanth Koniki	Influence of Geometrical Parameters on Local Buckling in Steel I-Sections	Journal of Structural Design and Construction Practice	SCIE	2025
4	Sarojini Jajimoggala, Shabana Shabana, Padindi Uma Maheswara Rao, Malathi Narra, Sunil Nandipati, Rebwar Nasir Dara, R. Srinivasan, Seepana Praveenkumar, Debabrata Barik, Milon Selvam Dennison	Exploring the Combined Effects of Hydrogen and Multiwalled Carbon Nanotubes on the Performance, Emissions, and Combustion Characteristics of a Diesel Engine Operating on Ternary Fuel Mode	Energy Science & Engineering	SCIE	2025
5	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	IGI Global	Scopus	2025
6	Malathi Narra, Meghna Vij, K. S. Shreenidhi, Harishchander Anandaram, B. S. Hari, S. Boopathi	Redefining Sustainability in Building Practices in Circular Construction Process	IGI Global	Scopus	2025
7	Ali Saeidi, Rama Vara Prasad Chavali, A. Azami	Evaluating Vertical Stress in Backfilled Inclined Mine Stopes: Insights from Numerical Modeling and Monte Carlo Simulations	RIC 2025	-	2025
8	P. H. P. Reddy, Rama Vara Prasad Chavali, S. K. Vindula, A. Kumar	Chemical Induced Heaving of Soils: Mechanisms and Remediation Using Industrial By-products	Indian Geotechnical Journal	Scopus	2026
9	Khaja Sameer Shaik, Mallikarjun Perumalla, Charan Kumar Reddy Boilla	Topology Optimization with Experimental-Numerical Investigation of 3D-Printed Concrete Elements	Construction and Building Materials	SCIE	2025
10	Thangavelu Arumugam, Sapna Kinattinkara, Vinay Kumar Gaddam	Spatial Analysis of Soil Texture and Macronutrients Using Geospatial Techniques in Kannur District, Kerala, India	Spatial Information Research	Scopus	2026
11	Rama Vara Prasad Chavali, Zeinab Bayati,	Integrated Remote Sensing and Slope Stability Modeling for Back	Geotechnical	Scopus	2026

	Anick Tremblay, Ali Saeidi, Yan Lévesque, Mélanie Lambert	Analysis of Sensitive Clay Landslides	and Geological Engineering		
12	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
13	P. K. Prasanna, G. Jaswanth Kumar, Y. Kiran Kumar, R. R. Rahaman	Assessment of Concrete Performance Using Recycled Coarse Aggregates from Demolition and Construction Waste	NCCE Proceedings	Scopus	2025
14	Siva Shanmukha Anjaneya Babu Padavala, Siva Avudaiappan, Yeswanth Paluri, Ch. Naga Bharath, Sri Ram Ravi Teja Prathipati, Adamu Mulatu Kumara	Self-Compacting Concrete with Fly Ash and Silica Fume: Experimental Evaluation, Microstructural Analysis, and Machine Learning Modeling	Scientific Reports	SCIE	2025
15	Divya, B. Charan Kumar Reddy, Rama Vara Prasad Chavali, B. Panduranga Rao, P. Sai Tarun, R. Vyshnavi Bai, P. Uday	Development of Condition Index for Assessing the Safety of Buildings	Springer Conference	Scopus	2026
16	Mohd Younus Bhat, Nurul Absar, Vinay Kumar Gaddam	Provenance and Depositional History of Palaeo–Mesoproterozoic Sedimentary Formations in the Cuddapah Basin, India: Insights from Elemental Geochemistry and Petrography	Journal of Geological Society of India	SCIE	2026
17	Srikant Koniki, L. Shirisha, D. Udhay Goud, Thunuguntla Chaitanya Srikrishna, G. Mallikarjuna Rao, Hanuma Kasagani	Flexural Behavior of Bamboo and PVA Fiber Reinforced Concrete Slab Panels	Springer (NMTE2A 2024)	Scopus	2025
18	Siva Shanmukha Anjaneya Babu Padavala, Siva Avudaiappan, Sri Ram Ravi Teja Prathipati, Yeswanth Paluri, Vanakuri Sainath, Adamu Mulatu Kumara	Integrated Experimental, Machine Learning, and Life-Cycle Assessment of Fly Ash–Silica Fume Based Self-Compacting Geopolymer Concrete	Scientific Reports	SCIE	2026
19	Sarojini Jajimoggala, Malathi Narra, Shabana Shabana, P. Uma Maheswara Rao, Debabrata Barik, Milon Selvam Dennison, R. Srinivasan, Ayyar Dinesh, Saravanan Rajendran	Amplifying Performance, Combustion, and Emission Characteristics of a CRDI Engine Using Diesel–WCO Methyl Ester–Dyglyme Ternary Fuel Blends with Carbon Nanotubes	Scientific Reports	SCIE	2026
20	Vinay Kumar Gaddam	Geo-Enabled Large Language Models for Flood and Landslide Risk Assessment: A Case Study of a Recent Landslide in Kishtwar, Jammu & Kashmir, India	Spatial Information Research	Scopus	2026
21	Rama Vara Prasad Chavali, Ali Saeidi, P. Swamy Naga Ratna Giri, Mohammad Salsabili	Comparative Analysis of Traditional and Machine Learning Approaches for Estimating Undrained Shear Strength from SCPT Data	Earth Sciences Research	SCIE	2026