

PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING

PUBLICATION SUMMARY FOR ACADEMIC YEARS
(2024-25, 2023-24, 2022-23, 2021-22)

CATEGORY	2024-25	2023-24	2022-23	2021-22
SCI/SCIE JOURNALS	01	02	03	02
SCOPUS JOURNALS	06	03	06	05
ESCI JOURNALS	03	00	01	01
OTHER JOURNALS	00	01	07	02
BOOK CHAPTERS	02	05	00	01
BOOKS	02	00	00	00
CONFERENCE PAPERS (SCOPUS)	00	01	04	06
CONFERENCE PAPERS (OTHERS)	00	00	03	00
PATENTS (FILED/ PUBLISHED/ GRANTED)	00	00	00	00
TOTAL	14	12	24	17

2024-25 Publication Count

	JOURNALS	INTERNATIONAL CONFERENCE	BOOK CHAPTER	TOTAL
SCIE	01	00	00	01
SCOPUS	06	00	02	08
ESCI	03	00	00	03
OTHERS	00	00	00	00
TOTAL	10	00	02	12

A.Y.2024-2025

S.No.	Name of the Faculty	Title of the Paper	Name of the Journal	ISSN No.	Volume/ Issue/Year	Indexing
SCI Journals						
1.	Dr. Jagadish Vengala,	Effect of Sugarcane Bagasse Ash and Lime on Physico-Mechanical Properties of Clayey Soil	Advance in Civil Engineering	1687-8094	2024	SCIE
2.	Dr. Manne Anupama Ammulu	Saraca asoca Bark-derived Procyanidins Mitigate Doxorubicin-induced Cardiotoxicity	Asian Journal of Pharmaceutics	0151-9107	18/2024	ESCI
3.	Dr. Manne Anupama Ammulu	Advances in Medical Toxicology: Innovative Approaches for Poisoning and Overdose Management	Asian Journal of Pharmaceutics	1998-409X	19/2025	ESCI
4.	Dr.K. Shyam Prakash	Investigation on mechanical properties of geo polymer concrete with fly ash and steel fibres	Journal of polymer and composites	2321-2810	13/2025	ESCI
Scopus Journals						
5.	Dr.Ashish Kumar Nayak, Dr.Jagadish Vengala	Impact of Engineered Particle Size Distribution of Ordinary Portland Cement on Slag Supplemented Cement: A Comparative Performance Analysis With Commercial Portland Slag Cement	The Scientific world journal		2025	Scopus
6.	Dr. Sudhakar Mogili,	Evaluation of coal pond ash and quarry dust mix for pavement application	Engineering and Applied Science research	2539-6161	51/2024	Scopus
7.	Dr.Jagadish Vengala,	Optimization of Irrigation requirements	Journal of	2314-	2024	Scopus

	Dr.Ashish Kumar Nayak	for the Markonahalli command area using the SWAT model	Engineering	4904		
8.	Dr. Ashish Kumar Nayak	Surfactant-influenced biosorption as a sustainable and effective way for the eradication of environmental pollutants: a review	RSC Sustainability	2753-8125	3/1/2024	Scopus
9.	Dr.Sudhakar Mogili	Exploring Benefits, Critical Success Factors and Barriers of Earned Value Management in Construction Projects: A Preliminary evaluation	Nigerian Journal of Technological Development	0189-9546	21/4/2025	Scopus
10.	Dr. K. Shyma prakash	Experimental investigation on utilization of rise husk ash and fly ash in rigid pavement	APRN Journal of Engineering and Applied Sciences	1819-6608	20/7/2025	Scopus
Book chapters						
11.	Dr. M. Anupama Ammulu	Bio nanomaterials: a promising approach to producing polymeric composites	Elsevier	978-0-443-15630-4	2024	Scopus
12.	Dr. A. K. Nayak	Natural Adsorbents for Effective Treatment of Dye Wastewater from Textile Industries: A Comprehensive Review	Taylor and francis group	9781003432869	2024	Scopus
Book						
13.	Dr. Jagadish Vengala	The Environmental, Social, and Governance (ESG) blueprint: strategies for responsible business	Prime International publication	978-93-6010-850-2	2024	

		and investment				
14.	Dr. Jagadish Vengala	The circular economy blueprint: Sustainable strategies for the future	Prime International publication	978-93-6010-042-1	2024	

2023-24 Publication Count

	JOURNALS	INTERNATIONAL CONFERENCE	BOOK CHAPTER	TOTAL
SCIE	02	00	00	02
SCOPUS	03	01	04	08
ESCI	00	00	00	00
OTHERS	02	00	01	03
TOTAL	07	01	05	13

A.Y.2023-2024						
S.No.	Name of the Faculty	Title of the Paper	Name of the Journal	ISSN No.	Volume/ Issue/Year	Indexing
SCI Journals						
1.	Dr.Manne Anupama Ammulu	Influence of various environments on the mechanical properties of nanoclay reinforced S-glass/sisal hybrid polyester composites	Polymer Composites	1548-0569	2024	SCIE
2.	Dr. Jagadish Vengala,	Performance evaluation of hybrid reinforced concrete on engineering properties and life cycle assessment: A sustainable approach	Journal of cleaner production	0959-6526	458/2024	SCIE
Scopus Journals						
3.	Dr. A. K. Nayak	Application of polyoxometalates and their composites for the degradation of antibiotics in water medium	Water Emerging Contaminants & Nanoplastics	2831-2597	2/2023	Scopus
4.	Venu ratna kumari, G	A hybrid model for face detection using HAAR Cascade classifier and sinle shot multi-box detectors based on open CV	International research journal of multidisciplinary scope	10.47857/irjms.2024.v05i01.0304	5/1/2024	Scopus
5.	Dr. Mogili sudhakar	Duration forecasting capability of critical path focused earned duration management	International journal on engineering applications	2281-2881	12/1/2024	Scopus
Others						
6.	Dr. A. K. Nayak	Development of Ruthenium metal functionalized gold nanoparticles	Journal of Applied Science, Innovation & Technology	2583-505X	2/2/2023	Others

7.	Dr. Manne Anupama Ammulu	Schizophrenia Prediction in the Quantum Realm: A Machine Learning Approach	African Journal of Biological Sciences	2663-2187	6/5/2024	others
Conferences						
8.	Dr. Manne Anupama Ammulu	Biofunctionalized nanomaterials for bioremediation of pollutants	Lecture notes in mechanical engineering	2195-4364	2/2024	Scopus
Book chapters						
9.	Dr. M. Anupama Ammulu	Characterizations of polymer-carbonaceous composites”	CRC Press (Taylor & Francis group),	9781032350905.00	2023	Scopus
10.	Dr. A. K. Nayak	Addressing the global water crisis: A comprehensive review of nanobiohybrid applications for water purification		9781789063592.00	2023	Scopus
11.	Dr. Manne Anupama Ammulu	Computational Approaches for Prediction of Conformational Epitopes for Birch Betv 1 and Hazel Cor A1 Targeting B-cells	BP International	978-81-971580-1-8	2024	others
12.	Dr. Mogili sudhakar	Cyclic behavior of reinforced pond ash and its liquefaction susceptibility	Nova Science publishers	4016125	2024	Scopus
13.	Dr. Ashish Kumar Nayak	Magnetic nanotechnology-based biosensors for	Elsevier	9780443141195	2024	Scopus

		environmental contaminants' detection				
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2022-23 Publication Count

	JOURNALS	INTERNATIONAL CONFERENCE	BOOK CHAPTER	TOTAL
SCIE	03	00	00	03
SCOPUS	06	03	00	09
ESCI	01	00	00	01
OTHERS	03	03	00	06
TOTAL	13	06	00	19

A.Y.2022-2023

S.No	Name of the Faculty	Title of the Paper	Name of the Journal	ISSN No.	Volume/ Issue/Year	Indexing
SCI Journals						
1.	Dr.M. Anupama Ammulu	Improving physiological factors and plasmid stability of DE3 Host system	Asian Journal of Pharmaceutics	0151 -910 7	16/4/2022	ESCI
2.	Dr.Krishanu Mukherjee	An assessment of the mechanical performance of a novel sand bentonite-glass fiber composite for the avoidance of catastrophic landfill failure	Construction and Building Materials	0950 -061 8	348/2022	SCIE
3.	Dr.Manne anupama ammulu	Evaluation of mechanical and tribological properties of nano clay reinforced Kevlar/sisal polyester composites	Polymer composites	1548 -056 9	2022	SCIE
4.	Dr.Preetham Veeravalli,Dr.Jagadish Vengala,	Adsorption of phosphates from agricultural wastewater using fish scales and Hami melon peels	Environmental Progress & Sustainable Energy	1944 -745 0 64	42/1/2022	SCIE

Scopus Journals

5.	Dr.Vengala, J	Sugarcane Bagasse Fibers for Enhancing Moisture Susceptibility Properties in Stone Mastic Asphalt	Advances in Materials Science and Engineering	1687-8434	Article Id 5378738 /2023	Scopus
6.	Dr. Manne anupama ammulu	COVID 19: A New Insight Into Organ Failure and Complications Caused by Novel SARS-CoV-2 Virus and Discussion on the Role of Nanotechnology in Detection, Treatment and Prevention of the Disease	Current Trends in Biotechnology and Pharmacy	9738-916	16/4/2022	Scopus
7.	Venkata Subash Koneru	Development of optimum sustainable metakaolin replaced cement concrete based on homogeneity, compressive strength and rapid chloride ion penetration	Materials Today: Proceedings	2214-7853	22147853/2/2023	Scopus
8.	Dr.K.Ramesh	Effect and Influence of GGBS on properties of	ARNP Journal of Engineering and Applied	1819-6608	18/5/2023	Scopus

		ambient cured self compacting geopolymer concrete	Sciences			
9.	Dr. K. Shyam Prakash	Performance and characteristics of cost-effective natural adsorbents for the removal of flouride	Oxidation Communications	0209-4541	45/3/2022	Scopus
10.	Dr. Shyam Prakash Koganti	A case study on public transport service n urban areas	ARPJ Journal of Engineering and Applied Sciences	1819-6608	17/14	Scopus
Others						
11.	G.V.R Kumari	Surface water assessment by using remote sensing technology and GIS- A model study	YMER	1406-1415	21/10	Others
12.	G.V.R Kumari	A case study on the evaluation of surface water body sediments	European chemical bulletin	6662-6668	12/s6/2023	Others
Conferences						
13.	Dr.Manne anupama ammulu	The essence of all cancer immunotherapy is therapeutic vaccination	International journal for innovative engineering and management research	2456-5083	12/3/2023	Others

14.	Dr.Manne anupama ammulu	Assessment of data on awareness of food safety and labelling	International journal for innovative engineering and management research	2456 -508 3	12/3/2023	Others
15.	Gollapalli Venu Ratna Kumari	Solid waste management: A case study	AIP Conference Proceedings (International)	1551 -761 6	2766/1/2023	Scopus
✓ 16.	Dr.JagadishVengala, Divya Kilaru	Analysis of bamboo tensegrity structures	International Conference on Advances in Construction Materials and Structures(2021) - material today pocceedings	2214 -785 3	65/2/2022	Scopus
17.	K. Divya	Experimental study on physio - Mechanical characteristics of self-curing rapid hardened concrete	AIP Conference Proceedings	1551 -761 6	2759/2023	Scopus
18.	Dr.Manne anupama ammulu	Evaluation of the synergistic effect of antimicrobial agents against different strains of bacteria	International journal for innovative engineering and management research	2456 -508 4	12/3/2023	Others
Book chapters						
①9	Dr Jagadish Vengala	Smart Technologies for Energy,	Biocomposites and Their Applications in	978- 981- 16-	2022	Others

		Environment and Sustainable Development, Vol 1	Civil Engineering—A n Overview	6875 -3		
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2021-22 Publication Count

	JOURNALS	INTERNATIONAL CONFERENCE	BOOK CHAPTER	TOTAL
SCIE	02	00	00	02
SCOPUS	04	07	00	11
ESCI	00	00	00	00
OTHERS	02	01	01	04
TOTAL	08	08	01	17

A.Y 2021-2022

S.No	Authors	Article title	Journal name	Volume/Issue/Year	Page No.s	ISSN No.	Indexing
SCI journals							
1.	Krishanu Mukherjee	Recycled waste tire fiber as a sustainable reinforcement in compacted sand-bentonite mixture for landfill application	Journal of Cleaner Production	329/2021	129691	09596526, 18791786	SCIE
2.	Veeravalli Preetham and Jagadish Vengala	Removal of agricultural wastewater pollutants by integrating two waste materials, fish scales and neem leaves, as novel potential adsorbent	Water Science & Technology	48/2021	10-11	02731223, 19969732	Scopus
Scopus journals							
1	Manne Anupama Ammulu,	In silico multi-epitope Bunyavirus vaccine to target virus nucleocapsid N Protein	Journal of Genetic Engineering and Bio Technology	20/1/2022	89-101	1687-157X, 2090-5920	Scopus
2.	Anupama Ammulu Manne,	Comprehensive study on key pollen allergens	Journal of Pure and Applied Microbiology	16/1/2022	110-115	0973-7510, 2581-690X	Scopus
3.	Jagadish Vengala,	The effect of Roof overlay on thermal comfort behaviour of reduced scaled building models in tropical climate: an Indian case study	Journal of Building Pathology and Rehabilitation	7/2021	3	2365-3167, 2365-3159	Scopus

4.	Jagadish Vengala, K. Ramesh	Embodied energy and operational energy computations for a typical G+3 residential building in Vijayawada city of Andhra Pradesh, India	International Journal of Advanced Technology and Engineering Exploration	8/	81	2394-5443, 2394-7454	Scopus
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International journals (others)

1.	G.Venu Ratna Kumari	Water quality assessment of Isnapur polluted lake using Remote sensing and GIS applications	Journal of Positive School Psychology	6/3/2021	3997-4003	2717-7564	others
2.	M. Anupama	Metabolomic interactions: An insight into health and disease	Journal of pharmaceutical research international	33/39A/2021		2456-9119	Others

Conference papers

1. /	Veeravalli Preetham and Jagadish Vengala	Adsorption Isotherm, Kinetic and Thermodynamic studies of Nitrates and Nitrites onto Fish scales	Recent advances in Civil Engineering (Lecture notes in Civil Engineering)	256/2021	429-442	Hardcover ISBN: 978-981-19-1861-2	Scopus
2. 4	Jagadish Vengala,	Flood damages assessment using Remote Sensing and GIS: A case study of 2018 Kodagu floods	Advanced Modelling and Innovations in Water Resources Engineering (Lecture notes in Civil Engineering)	1/2021	463-475	Hardcover ISBN: 978-981-16-4628-7	Scopus
3.	Jagadish Vengala, K. Ramesh ,	Durability studies on ready mix concrete using mineral admixtures and manufactured sand .	Journal of Engineering Research (Kuwait) (ICCEMME Conference)	2021		2307-1877, 1885-2307	Scopus Proof

4.	Krishanu Mukherjee	Consolidation behaviour of compacted sand-Bentonite-Tire Fiber Mixture for Landfill Application	Sustainable Environment and Infrastructure (Conference Paper) Lecture notes in civil Engineering	90/2021	213-222	2366-2557	Scopus ?
5.	K Divya	Numerical simulations of composite materials	IOP Conference Series: Earth and Environmental Science	982/1/2021	12019	1755-1315	Scopus
6.	Jagadish Vengala,	Thermal comfort studies of residential building models in Vijayawada	Sustainability Trends and Challenges in Civil Engineering (Lecture notes in Civil Engineering)	162/2021	123-134	2366-2557	Scopus
7	Jagadish Vengala,	Experimental investigations on utilization of bagasse ash in adobe bricks	Sustainability Trends and Challenges in Civil Engineering (Lecture notes in Civil Engineering)	162/2021	487-496	2366-2557	Scopus
8	G. Venu Ratna Kumari,	Krishna river water analysis using Geospatial technology	Novel Innovations and Sustainable Development in Civil Engineering (conference)	2022		ISBN: 978-81-951337-6-5	Others
Book chapter							
1.	Jagadish Vengala,	Biocomposites and their applications in civil engineering-	Smart Technologies for Energy, Environment	2022	151-165	ISBN: 978-981-	Others

		An overview	and Sustainable Development (Book Chapter)			16- 6875-3	
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