

Summary of Publications (last three years)

	2024-25*	2023-24	2022-23	2021-22	Total
Journals	14	34	22	17	87
Book/Chapters	1	9	4	5	19
Conferences	3	13	35	9	60
Total	18	56	61	31	166

Journal Publications in the Academic Year 2024-25

No.	Faculty	Stream	Publication Title	Journal	Index/ Proof	Q	Year & Volume	DOI https://doi.org/	Code	Pg
1	Ramaswamy K. P., Sajeed R.	SE BTCM	A novel approach towards ranking the performance of cement-based materials exposed to organic acids	Innovative Infrastructure Solutions	ESCI P-1	Q2	2024, 9(279)	10.1007/s41062-024-01595-2	KPR-1 SBR-1	1
2	Chinsu Mereena Joy	SE BTCM	Fundamental period prediction of infill reinforced concrete structures using an ensemble of regressors	Asian Journal of Civil Engineering	Scopus P-2	Q3	2024	10.1007/s42107-024-01129-2	CMJ-1	2
3	Muhammed Siddik A.	GTE	Need for Comprehensive Guidelines for Environmental Forensic Investigations	Detritus	ESCI P-3	Q3	2024 27	10.31025/2611-4135/2024.19388	AMS-1	3
4	Adarsh S.	WREE	Indian landslide tragedy demands a rethink of hazard mapping in a changing climate	Nature	SCIE P-4	Q1	2024 632, 985	10.1038/d41586-024-02752-4	ADS-1	4
5	Adarsh S.	WREE	Introducing a climate, demographics, and infrastructure multi-module workflow for projected flood risk mapping in the greater Pamba River Basin, Kerala, India	International Journal of Disaster Risk Reduction	SCIE P-5	Q1	2024 112	10.1016/j.ijdr.2024.104780	ADS-2	5
6	Adarsh S.	WREE	A Non-stationary Framework for Landslide Hazard Assessment under the Extreme Rainfall Condition	Earth Systems and Environment	ESCI P-6	Q1	2024	10.1007/s41748-024-00445-6	ADS-3	6
7	Adarsh S., Mamatha M.	WREE	Multiscale coherence analysis of PM2.5 and PM10 concentrations of four Indian urban areas using wavelet transform	Urban Climate	SCIE P-7	Q1	2024 56	10.1016/j.uclim.2024.102056	ADS-4 MAM-1	7
8	Adarsh S.	WREE	Enhancing Hydrological Data Completeness: A Performance Evaluation of various Machine Learning Techniques using Probabilistic Fusion Imputer with Neural Networks for Streamflow Data Reconstruction	Journal of Hydrology	SCIE P-8	Q1	2024 639	10.1016/j.jhydr.2024.131583	ADS-5	8
9	Adarsh S.	WREE	The IAHS Science for Solutions decade, with Hydrology Engaging Local People IN a Global world (HELPING)	Hydrological Sciences Journal	SCIE P-9	Q1	2024 69(11)	10.1080/02626667.2024.2355202	ADS-6	9
10	Priya K. L.	WREE	Removal of polystyrene microplastics using biochar-based continuous flow fixed-bed column	Environmental Science and Pollution Research	Scopus P-10	Q2	2024	10.1007/s11356-024-32088-5	KLP-1	10
11	Priya K. L.	WREE	Smartphone solutions for water quality monitoring: a new frontier in environmental awareness	Essential Chem	P-11	Q2	2024 1(1)	10.1080/28378083.2024.2371348	KLP-2	11
12	Priya K. L.	WREE	Women's empowerment in water management across Africa	Development in Practice	ESCI P-12	Q2	2024 34(6)	10.1080/09614524.2024.2338211	KLP-3	12
13	Priya K. L. Indu M. S.	WREE	Analyzing the influencing factors and developing Artificial Neural Network-based prediction model for water turbidity	Case Studies in Chemical and Environmental Engineering	Scopus P-13	Q1	2024 10	10.1016/j.cscee.2024.100955	KLP-4 IMS-1	13
14	Kavitha Madhu	TRE	Role of Multiple Leaders and their Dynamic Variables on Vehicular Following Behaviour in Mixed Traffic Condition	European Transport /Trasporti Europei	ESCI P-14	Q3	2024 97	10.48295/ET.2024.96.6	KAM-1	14

Journal Publications in the Academic Year 2023-24

No.	Faculty	Stream	Publication Title	Journal	Index	Q	Year & Volume	DOI https://doi.org/	Code	Pg
1	Sajeeb R.	SE BTCM	A shake table investigation on low-cost seismic isolation using unbonded scrap tyre pad isolators	Materials Today: Proceedings	SCIE P-15	Q2	2023, In Press	10.1016/j.matpr.2023.04.527	SBR-2	15
2	Chinsu Mereena Joy, Ramaswamy K P	SE BTCM	Properties of eco-friendly concrete with partial replacement of fine aggregate with recycled plastic waste and cement by silica fume	Journal of Emerging Technologies and Innovative Research	-	Q4	2024, 11(2)	-	CMJ-2 KPR-2	16
3	Muhammed Siddik A.	GTE	Source Apportionment and Pollution Assessment of Heavy Metals in an Urban Waterbody	Chemical Engineering & Technology	SCIE P-16	Q2	2024,	10.1002/ceat.202300408	AMS-2	17
4	Muhammed Siddik A.	GTE	Changing profile of natural organic matter in groundwater of a Ramsar site in Kerala implications for sustainability	Case Studies in Chemical and Environmental Engineering	Scopus P-13	Q1	2023, 8	10.1016/j.csce.2023.100390	AMS-3	18
5	Muhammed Siddik A.	GTE	Integrating Environmental Forensics in Criminal Investigation: Needs and Methods	Environmental Forensics	SCIE P-17	Q3	2023 25(5)	10.1080/15275922.2023.2297414	AMS-4	19
6	Romana Mariyam Rasheed	GTE	Target reliability-based design optimization studies on cohesive soil amended with chitosan and casein for liner applications	Scientific Reports	SCIE P-18	Q1	2024, 14(1)	10.1038/s41598-024-64408-7	RMR-1	20
7	Romana Mariyam Rasheed	GTE	Efficacy of Crustacean and Protein-Based Biopolymer Inclusion on the Strength Characteristics of Organic Soil	International Journal of Geomechanics	SCIE P-19	Q1	2024, 24(11)	10.1061/IJGN.A1.GMENG-10012	RMR-2	21
8	Romana Mariyam Rasheed	GTE	Compressibility and Durability Characteristics of Protein-Based Biopolymer-Amended Organic Soil	Journal of Materials in Civil Engineering	SCIE P-20	Q1	2024, 36(7)	10.1061/JMCEE7.MTENG-17285	RMR-3	22
9	Romana Mariyam Rasheed	GTE	Shrinkage and consolidation characteristics of chitosan-amended soft soil—A sustainable alternate landfill liner material	Buildings	SCIE P-21	Q2	2023, 13(9)	10.3390/buildings13092230	RMR-4	23
10	Romana Mariyam Rasheed	GTE	Sustainable assessment and carbon footprint analysis of polysaccharide biopolymer-amended soft soil as an alternate material to canal lining	Frontiers in Environmental Science	SCIE P-22	Q2	2023, 11	10.3389/fenvs.2023.1214988	RMR-5	24
11	Romana Mariyam Rasheed	GTE	Sorptive and desorptive response of divalent heavy metal ions from EICP-treated plastic fines	Indian Geotechnical Journal	ESCI P-23	Q2	2023, 53(2)	10.1007/s40098-022-00638-8	RMR-6	25
12	Adarsh S.	WREE	Dynamic flood frequency analysis for west flowing rivers of Kerala, India	Water Security	Scopus P-24	Q1	2023, 19	10.1016/j.wasec.2023.100137	ADS-7	26
13	Adarsh S.	WREE	Analyzing the streamflow teleconnections of greater Pampa basin, Kerala, India using wavelet coherence	Physics and Chemistry of the Earth	SCIE P-25	Q2	2023, 131	10.1016/j.pce.2023.103446	ADS-8	27
14	Adarsh S.	WREE	Assessment of Multifractal Fingerprints of Reference Evapotranspiration Based on Multivariate Empirical Mode Decomposition	Atmosphere	SCIE P-26	Q2	2023, 14(8)	10.3390/atmos14081219	ADS-9	28

15	Adarsh S.	WREE	Development of non-stationary temperature duration frequency curves for Indian mainland	Theoretical and Applied Climatology	SCIE P-27	Q2	2023, 154(3)	10.1007/s00704-023-04606-x	ADS-10	29
16	Adarsh S.	WREE	Development and prediction of a robust multivariate trophic state index for the classification of lentic water bodies.	Results in Engineering	ESCI P-28	Q2	2023, 20	10.1016/j.rinen g.2023.101586	ADS-11	30
17	Adarsh S.	WREE	Basin-scale streamflow projections for greater Pamba River Basin, India integrating GCM ensemble modelling & flow accumulation-weighted LULC overlay in deep learning environment	Sustainability	SCIE P-29	Q2	2023, 15(19)	10.3390/su151914148	ADS-12	31
18	Adarsh S.	WREE	Multiscale teleconnection analysis of rainfall patterns over Calicut, India using wavelet coherence	Journal of Earth System Science	SCIE P-30	Q2	2024, 133(1)	10.1007/s12040-023-02228-5	ADS-13	32
19	Adarsh S.	WREE	Detection of Climate Non Stationarity of Indian Rainfall Using Innovative Trend Family of Techniques	KSCE Journal of Civil Engineering	SCIE P-31	Q2	2024, 28(6)	10.1007/s12205-024-1338-3	ADS-14	33
20	Adarsh S.	WREE	Spatio-temporal Variability of Trends in Extreme Climatic Indices across India	KSCE Journal of Civil Engineering	SCIE P-31	Q2	2024	10.1007/s12205-024-1338-3	ADS-15	34
21	Adarsh S.	WREE	Analyzing the impact of meteorological drought on crop yield of Kerala, India: a wavelet coherence approach.	Paddy and Water Environment	SCIE P-32	Q2	2024, 22(2)	10.1007/s10333-024-00969-7	ADS-16	35
22	Adarsh S.	WREE	Analyzing the dynamical relationships between meteorological and hydrological drought of Wadi Mina basin, Algeria using a novel multiscale framework	Stochastic Environmental Research and Risk Assessment	SCIE P-33	Q1	2024, 38(5)	10.1007/s00477-024-02663-w	ADS-17	36
23	Adarsh S.	WREE	Spatiotemporal assessment of groundwater quality and quantity using geostatistical and ensemble artificial intelligence tools	Journal of Environmental Management	SCIE P-34	Q1	2024, 355	10.1016/j.jenv man.2024.120495	ADS-18	37
24	Adarsh S.	WREE	Unravelling the Fractal Complexity of Temperature Datasets across Indian Mainland	Fractal and Fractional	SCIE P-35	Q2	2024, 8(4)	10.3390/fracta lfract8040241	ADS-19	38
25	Priya K. L., Indu M. S.	WREE	Evaluating the performance of electrocoagulation system in the removal of polystyrene microplastics from water	Environmental Research	SCIE P-36	Q1	2024, 243	10.1016/j.envre s.2023.117887	KLP-5 IMS-2	39
26	Priya K. L., Athul M. Madhu	WREE	Implications of solid waste dumps on the microplastic abundance in groundwater in Kollam, India	Journal of Environmental Management	SCIE P-34	Q1	2023, 348	10.1016/j.jenv man.2023.119224	KLP-6 AMM-1	40
27	Priya K. L.	WREE	Coagulation studies on photodegraded and photocatalytically degraded polystyrene microplastics using polyaluminium chloride	Waste Management	SCIE P-37	Q1	2023, 170	10.1016/j.was man.2023.09.018	KLP-7	41

28	Priya K. L.	WREE	Emergence of microplastics in the aquatic ecosystem and their potential effects on health risks: The insights into Vietnam	Journal of Environmental Management	SCIE P-34	Q1	2023, 344	10.1016/j.jenvman.2023.118499	KLP-8	42
29	Priya K.L., Indu M. S.	WREE	A hybrid electrocoagulation-biocomposite adsorption system for the decolourization of dye wastewater	Environmental Research	SCIE P-36	Q1	2024, 252	10.1016/j.envres.2024.118759	KLP-9 IMS-3	43
30	Priya K. L.	WREE	Analysing the role of Fe (II) on flocculation of sand-clay mixtures under estuarine mixing	Environmental Research	SCIE P-36	Q1	2024, 251	10.1016/j.envres.2024.118590	KLP-10	44
31	Priya K. L.	WREE	Assessing dissolved oxygen dynamics in Pasig River, Philippines: A HEC-RAS modeling approach during the COVID-19 pandemic.	Water Practice & Technology	ESCI P-38	Q3	2024, 19(4)	10.2166/wpt.2024.078	KLP-11	45
32	Priya K. L.	WREE	Analysing the performance of the NARX model for forecasting the water level in the Chikugo River estuary, Japan	Environmental Research	SCIE P-36	Q1	2024, 251	10.1016/j.envres.2024.118531	KLP-12	46
33	Priya K. L.	WREE	Removal of polystyrene microplastics using biochar-based continuous flow fixed-bed column	Environmental Science and Pollution Research	Scopus P-10	Q2	2024, 31(9)	10.1007/s11356-024-32088-5	KLP-13	47
34	Kavitha Madhu	TRE	Vehicle-following behaviour in mixed traffic–role of lane position and adjacent vehicle	Transportation Letters	SCIE P-39	Q2	2024, 16(6)	10.1080/19427867.2023.2205723	KAM-2	48

Journal Publications in the Academic Year 2022-23

No.	Faculty	Stream	Publication Title	Journal	Index	Q	Year & Volume	DOI https://doi.org/	Page Code	Pg
1	Ramaswamy K. P. Sajeeb R.	SE BTCM	Performance evaluation of OPC mortar exposed to organic acid environments	Material Today: Proceedings	SCIE P-15	Q2	2023, In Press	10.1016/j.matpr.2023.02.398	KPR-3 SBR-3	49
2	Romana Mariyam Rasheed	GTE	Critical appraisal of the behavioral geo-mechanisms of peats/organic soils	Arabian Journal of Geosciences	P-40	Q2	2022, 15(12)	10.1007/s12517-022-10396-9	RMR-7	50
3	Romana Mariyam Rasheed	GTE	Leaching test protocols to evaluate contaminant response of nano-calcium silicate-treated tropical soils	Journal of Hazardous, Toxic, and Radioactive Waste	ESCI P-41	Q2	2023, 27(2)	10.1061/JHTRBP/HZENG-1200	RMR-8	51
4	Romana Mariyam Rasheed	GTE	State-of-the-art review on the role and applicability of select nano-compounds in geotechnical and geoenvironmental applications	Arabian Journal for Science and Engineering	SCIE P-42	Q1	2023, 48(4)	10.1007/s13369-022-07036-5	RMR-9	52
5	Adarsh S., Muhammed Siddik A.	GTE WREE	Flood risk analysis and mapping under compound hazards: A copula approach for tropical coastal district of Alappuzha, India	Journal of Hydro-environment Research	SCIE P-43	Q2	2023, 46	10.1016/j.jher.2022.11.004	AMS-5 ADS-20	53
6	Adarsh S.	WREE	Time-dependent intrinsic cross-correlation approach for multi-scale teleconnection analysis for monthly rainfall of India.	Meteorology and Atmospheric Physics	SCIE P-44	Q3	2022, 134(4)	10.1007/s00703-022-00910-9	ADS-21	54
7	Adarsh S.	WREE	Prediction of lake water-level fluctuations using adaptive neuro-fuzzy inference system hybridized with metaheuristic optimization algorithms	Applied Water Science	SCIE P-45	Q1	2023, 13(1)	10.1007/s00703-022-00910-9	ADS-22	55
8	Adarsh S.	WREE	Unveiling the climatic origin of streamflow persistence through multifractal analysis of hydro-meteorological datasets of India	Hydrological Sciences Journal	SCIE P-9	Q1	2023, 68(2)	10.1080/02626667.2022.2157726	ADS-23	56
9	Adarsh S.	WREE	Evaluation of change points and persistence of extreme climatic indices across India	Natural Hazards	SCIE P-46	Q1	2023, 116(2)	10.1007/s11069-022-05787-w	ADS-24	57
10	Adarsh S.	WREE	Study of the Dynamical Relationships between PM 2.5 and PM 10 in the Caribbean Area Using a Multiscale Framework	Atmosphere	SCIE P-26	Q2	2023, 14(3)	10.3390/atmos14030468	ADS-25	58
11	Adarsh S.	WREE	Multiscale Correlation Analysis between Wind Direction and Meteorological Parameters in Guadeloupe Archipelago	Earth	ESCI P-47	Q3	2023, 4(1)	10.3390/earth4010008	ADS-26	59
12	Adarsh S.	WREE	Assessment and monitoring of meteorological and hydrological drought in semiarid regions: The Wadi Ouahrane basin case study (Algeria)	Physics and Chemistry of the Earth	SCIE P-25	Q2	2023, 130	10.1016/j.pce.2023.103386	ADS-27	60
13	Adarsh S.	WREE	Hydrologic regionalization of non-stationary intensity-duration-frequency relationships for Indian mainland	H2Open Journal	ESCI P-48	Q3	2023, 6(2)	10.2166/h2oj.2023.023	ADS-28	61

14	Priya K. L.	WREE	Free Energy Production from Salinity Gradient Power (SGP)-Investigative Results in Two Different Estuaries	Journal of Engineering Thermophysics	SCIE P-49	Q3	2023, 32(2)	10.1134/S1810232823020121	KLP-14	62
15	Priya K. L.	WREE	Wave energy potential analysis in the Kenitra-Atlantic coastal area (Morocco): First results	Marine Georesources & Geotechnology	SCIE P-50	Q2	2023, 42(5)	10.1080/1064119X.2023.2209785	KLP-15	63
16	Priya K. L.	WREE	Grain size distribution and fluvial environmental implications of Sebou estuary (Morocco)	Marine Georesources & Geotechnology	SCIE P-50	Q2	2023, 41(10)	10.1080/1064119X.2022.2121235	KLP-16	64
17	Priya K. L.	WREE	Artificial neural network modelling approach for the prediction of turbidity removal efficiency of PACl and Moringa Oleifera in water treatment plants	Modeling Earth Systems and Environment	ESCI P-51	Q2	2023, 9(2)	10.1007/s40808-022-01651-9	KLP-17	65
18	Priya K. L.	WREE	Relationship of salinity, temperature, pH, and transparency to dissolved oxygen in the Bouregreg estuary (Morocco): First results	Water Practice & Technology	ESCI P-38	Q3	2022 17(12)	10.2166/wpt.2022.144	KLP-18	66
19	Priya K. L., Indu M. S.	WREE	Fate, transport and degradation pathway of microplastics in aquatic environment—A critical review	Regional Studies in Marine Science	SCIE P-52	Q2	2022 56	10.1016/j.rsma.2022.102647	KLP-19 IMS-4	67
20	Priya K. L.	WREE	Modeling of depth profiles of the water temperature in Lake Sidi Ali (Morocco)	International journal of river basin management	ESCI P-53	Q2	2022 20	10.1080/15715124.2022.2092488	KLP-20	68
21	Priya K. L.	WREE	Performance investigation of silica gel based consolidated composite adsorbents effective for adsorption desalination systems	Materials Today Communications	SCIE P-54	Q2	2022 32	10.1016/j.mtc.2022.104015	KLP-21	69
22	Kavitha Madhu	TRE	Acceleration models for two-wheelers and cars in mixed traffic: effect of unique vehicle-following interactions and driving regimes	Current Science	SCIE P-55	Q2	2022 122(12)	10.18520/cs/v122/i12/1441-1450	KAM-3	70

Journal Publications in the Academic Year 2021-22

No.	Faculty	Stream	Publication Title	Journal	Index	Q	Year & Volume	DOI	Page Code	Pg
1	Sajeeb R.	SE BTCM	Effect of superplasticizer on the characteristics of stabilized earth concrete	Materials Today: Proceedings	SCIE P-15	Q2	2022 65(5)	10.1016/j.matpr.2022.02.635	SBR-4	71
2	Shefeena N.	SE BTCM	Influence of Wind Loads on Tall Reinforced Concrete Structures in Different Terrains and Zones.	International Journal of Research in Engineering and Science (IJRES)	-	Q4	2022, 10(7)	-	SHN-1	72
3	Romana Mariyam Rasheed	GTE	Critical review on the efficacy of electrokinetic techniques in geotechnical and geoenvironmental applications	Arabian Journal of Geosciences	P-40	Q2	2022 15(8)	10.1007/s12517-022-10037-1	RMR-10	73
4	Romana Mariyam Rasheed	GTE	State-of-the-art review on geoenvironmental benign applicability of biopiles	Innovative Infrastructure Solutions	ESCI P-1	Q2	2022 7(2)	10.1007/s41062-022-00774-3	RMR-11	74
5	Romana Mariyam Rasheed	GTE	Critical appraisal of the behavioral geo-mechanisms of peats/organic soils	Arabian Journal of Geosciences	P-40	Q2	2022 15(12)	10.1007/s12517-022-10396-9	RMR-12	75
6	Adarsh S.	WREE	Multifractal characterization and cross correlations of reference evapotranspiration time series of India	The European Physical Journal: Special Topics	SCIE P-56	Q2	2021 230(21)	10.1140/epjs/s11734-021-00325-4	ADS-29	76
7	Adarsh S.	WREE	Multiscale coherence analysis of reference evapotranspiration of north-western Iran using wavelet transform	Journal of Water and Climate Change	SCIE P-57	Q2	2022 13(2)	10.2166/wcc.2021.379	ADS-30	77
8	Adarsh S.	WREE	Credibility of design rainfall estimates for drainage infrastructures: extent of disregard in Nigeria and proposed framework for practice	Natural Hazards	SCIE P-46	Q1	2021 109	10.1007/s11069-021-04889-1	ADS-31	78
9	Adarsh S.	WREE	Flood prediction based on climatic signals using wavelet neural network	Acta Geophysica	SCIE P-68	Q2	2021 69(4)	10.1007/s11600-021-00620-7	ADS-32	79
10	Adarsh S.	WREE	Advanced extreme learning machines vs. deep learning models for peak wave energy period forecasting: A case study in Queensland, Australia	Renewable Energy	SCIE P-59	Q1	2021 177	10.1016/j.renene.2021.06.052	ADS-33	80
11	Adarsh S.	WREE	Investigating the multiscale teleconnections of Madden-Julian oscillation and monthly rainfall using time-dependent intrinsic cross-correlation	Natural Hazards	SCIE P-46	Q1	2022 112(2)	10.1007/s11069-022-05249-3	ADS-34	81
12	Priya K. L., Athul M. Madhu, Adarsh S.	WREE	Fuzzy logic approach for the assessment of trophic state of water bodies	Ecological Engineering	SCIE P-60	Q1	2021 169	10.1016/j.ecoleng.2021.106314	KLP-22 AMM-2 ADS-35	82
13	Priya K. L.	WREE	Implications of geotechnical properties on the sediment resuspension and heavy metal partitioning in Ashtamudi estuary, India	Marine Georesources & Geotechnology	SCIE P-50	Q2	2022 40(8)	10.1080/1064119X.2021.1946627	KLP-23	83
14	Priya K. L.	WREE	Implications of turbulent shear on clay floc break-up along the Atlantic estuary (Bouregreg), Morocco	International Journal of Sediment Research	SCIE P-61	Q1	2022 37(2)	10.1016/j.ijsrc.2021.09.001	KLP-24	84

15	Priya K. L.	WREE	Preparing for the future: The impact of sea-level rise on salinity gradient energy in estuaries.	Energy and Climate Change	ESCI P-62	Q1	2021 2	10.1016/j.egyc.c.2021.100041	KLP-25	85
16	Munavar Fairouz C.	TRE	Improving quality of ordinary bus service in Kolkata city: Integrating conflicting requirements of users and transit operator	Transport Policy	SSIE P-63	Q1	2021 111	10.1016/j.transpol.2021.07.007	MUN-1	86
17	Munavar Fairouz C.	TRE	Investigating the impact of COVID-19 on user perception for deriving policies and intervention areas for urban bus service in India	Case Studies on Transport Policy	ESCI P-64	Q2	2021 9(4)	10.1016/j.cstp.2021.11.007	MUN-2	87

Summary of Journal Publications

	2024-25	2023-24	2022-23	2021-22	Total
SE BTCM	2	2	1	2	7
GTE	1	9	4	3	17
WREE	10	22	17	10	59
TRE	1	1	1	2	5
Total	14	34	22	17	87

Journal Index

	2024-25		2023-24		2022-23		2021-22		Total
	SCI/SCIE	Scopus/ESCI	SCI/SCIE	Scopus/ESCI	SCI/SCIE	Scopus/ESCI	SCI/SCIE	Scopus/ESCI	
SE BTCM	0	2	1	0 (1)	1	0	1	0 (1)	7
GTE	0	1	7	2	2	1 (1)	0	1 (2)	17
WREE	5	4 (1)	18	4	12	5	9	1	59
TRE	0	1	1	0	1	0	1	1	5
Total	5	8 (1)	27	6 (1)	15	6 (1)	11	3 (3)	87
	14		34		22		17		

NB: Bracket indicates papers not indexed in SCI/SCIE/Scopus/ESCI

Quartile of Journals

	2024-25				2023-24				2022-23				2021-22				Total
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
SE BTCM	0	1	1	0	0	1	0	0 (1)	0	1	0	0	0	1	0	0 (1)	7
GTE	0	0	1	0	4	4	1	0	1	3	0	0	0	3	0	0	17
WREE	7	2	0	0 (1)	10	11	1	0	3	9	4	0 (1)	6	4	0	0	59
TRE	0	0	1	0	0	1	0	0	0	1	0	0	1	1	0	0	5
Total	7	3	3	1	14	17	2	0 (1)	4	13	4	1	7	9	0	1	87
	14				34				22				17				

NB: Bracket indicates papers with no quartiles

Books/Book Chapters in the Academic Year 2024-25

No.	Faculty	Stream	Book/Book Chapter Details	Publisher	Year	ISBN/Volume	Code	Pg
1	Priya K. L.	WREE	Meso- and microplastic risk assessment in marine environments: An Overview	Elsevier	2024	9780323909808	KLP-26	88

Books/Book Chapters in the Academic Year 2023-24

No.	Faculty	Stream	Book/Book Chapter Details	Publisher	Year	ISBN/Volume	Code	Pg
1	Anu V. Thomas	SE BTCM	Proceedings of SECON'23, Lecture Notes in Civil Engineering	Springer	2023	Vol 381	ATH-1	89
2	Romana Mariyam Rasheed	GTE	Proceedings of IGC 2022, Lecture Notes in Civil Engineering	Springer	2024	Vol 492	RMR-13	90
3	Romana Mariyam Rasheed	GTE	Proceedings of IGC 2022, Lecture Notes in Civil Engineering	Springer	2024	Vol 478	RMR-14	91
4	Romana Mariyam Rasheed	GTE	Proceedings of IGC 2022, Lecture Notes in Civil Engineering	Springer	2024	Vol 492	RMR-15	92
5	Adarsh S.	WREE	Proceedings of IAHS	Copernicus Gmbh	2024	Vol 385	ADS-36	93
6	Adarsh S.	WREE	Recent Advances in Civil Engineering	CRC Press	2023	978-1-032-65727-1	ADS-37	94
7	Adarsh S.	WREE	Innovations in Smart and Sustainable Infrastructure, Lecture Notes in Civil Engineering	Springer	2024	978-981-99-3557-4	ADS-38	95
8	Priya K L	WREE	Advances in Data Driven Computing and Intelligent Systems, Lecture Notes in Networks and Systems	Springer	2024	978-0-323-90980-8	KLP-27	96
9	Priya K L, Indu M S	WREE	Microplastic Occurance, Fate, Impact and Remediation, Environmental Chemistry for a Sustainable World	Springer	2023	978-3-031-36351-1	KLP-28 IMS-5	97

Books/Book Chapters in the Academic Year 2022-23

No.	Faculty	Stream	Book/Book Chapter Details	Publisher	Year	ISBN/Volume	Code	Pg
1	Priya K L	WREE	Environmerntal Science and Engineering	Springer	2023	978-3-031-31289-2	KLP-29	98
2	Priya K L	WREE	Climate Change and Ocean Renewable Energy, Proceedings in Earth and Environmental Sciences	Springer	2023	978-3-031-26967-7	KLP-30	99
3	Priya K L	WREE	Climate Change and Ocean Renewable Energy, Proceedings in Earth and Environmental Sciences	Springer	2023	978-3-031-26967-7	KLP-31	100
4	Priya K L Indu M. S.	WREE	Recent Advancements in Civil Engineering, Lecture Notes in Civil Engineering	Springer	2022	978-981-16-4396-5	KLP-32 IMS-6	101

Books/Book Chapters in the Academic Year 2021-22

No.	Faculty	Stream	Book/Book Chapter Details	Publisher	Year	ISBN/Volume	Code	Pg
1	Indu M. S. Priya K. L.	WREE	Novel Materials for Dye-containing Waste Water Treatment, Sustainable Textiles: Production, Processing, Manufacturing & Chemistry	Springer	2021	978-981-16-2891-7	IMS-7 KLP-33	102
2	Priya K. L. Adarsh S.	WREE	Climate Impacts of Water Resources in India; Water Science and Technology Library	Springer	2021	978-3-030-51426-6	KLP-34 ADS-39	103
3	Adarsh S.	WREE	Climate Change, Natural Resources and Sustainable Environmental Management; Environmental Earth Science	Springer	2022	978-3-031-04375-8	ADS-40	104
4	Adarsh S.	WREE	Innovative Trends in Hydrological and Environmental Systems, Lecture Notes in Civil Engineering	Springer	2022	978-981-190304-5	ADS-41	105
5	Adarsh S.	WREE	Climate Change and Water Security, Lecture Notes in Civil Engineering	Springer	2022	978-981-165501-2	ADS-42	106

Summary of Books/Book Chapters

	2024-25	2023-24	2022-23	2021-22	Total
SE BTCM	0	1	0	0	1
GTE	0	3	0	0	3
WREE	1	5	4	5	15
TRE	0	0	0	0	0
Total	1	9	4	5	19

Conference Presentations and Proceedings in the Academic Year 2024-25

No.	Faculty	Stream	Paper Title	Conference	Organiser	Year	Code	Pg
1	Ramaswamy K. P. Sajeed R.	SE BTCM	Prediction of degradation in cementitious systems exposed to organic acid environments using artificial intelligence (AI) programming	78 th RILEM Annual Week & RILEM International Conference on Sustainable Materials & Structures 2024	INSA Toulouse, France with RILEM	2024	KPR-4 SBR-5	107
2	Ramaswamy K. P. Sajeed R.	SE BTCM	Application of Artificial Intelligence in Determining Degradation in Cement-Based Materials Due to Acid Attack	10 th International Conference on Concrete Under Severe Conditions (CONSEC24)	Centre of Excellence on Technologies for Low-Carbon and Lean Construction (TLC2) and IIT Madras	2024	KPR-5 SBR-6	108
3	Kavitha Madhu	TRE	Application of GIS in Road Safety Analysis: A Case Study of NH66 Corridor in Kollam	Roadway Safety and Simulation 2024, Lexington, KY, USA	Kentucky Transportation Center	2024	KAM-4	109

Conference Presentations and Proceedings in the Academic Year 2023-24

No.	Faculty	Stream	Paper Title	Conference	Organiser	Year	Code	Pg
1	Sajeeb R.	SE BTCM	Application of Concrete Sensors in Different Structural Members	International Conference on Recent Advances in Systems Science & Engineering (RASSE 2023)	IEEE	2023	SBR-7	110
2	Ramaswamy K P	SE BTCM	Life Cycle Assessment of Highway Construction Projects in India- A Case Study	Fifth International Conference on Structural Engineering and Construction Management (SECON'24)	Department of Civil Engineering, FISAT, Angamaly, Ernakulam	2024	KPR-6	111
3	Romana Mariyam Rasheed	GTE	Primary and Secondary Consolidation Characteristics of Chitosan-Treated Low Organic Clay	ASCE GeoCongress 2024	ASCE in association with Canadian Geotechnical Society, Vancouver, Canada	2024	RMR-16	112
4	Adarsh S	WREE	Fractal Complexity Evaluation of Meteorological Droughts Over Three Indian Subdivisions Using Visibility Graphs	European Geosciences Union (EGU24)	European Geosciences Union General Assembly, Vienna, Austria European Geosciences Union General Assembly, Vienna, Austria	2024	ADS-43	113
5	Adarsh S	WREE	Enhancing Hydrological Predictions: Feature-Driven Streamflow Forecasting with Sparse Autoencoder-based Long Short-Term Memory Networks			2024	ADS-44	114
6	Adarsh S	WREE	A Non-Stationary Approach for Temporal Probability of Landslide using Hydrometeorological Thresholds			2024	ADS-45	115
7	Adarsh S	WREE	Landslide hazard mapping of Wayanad District of Kerala, India, incorporating copula-based estimation of joint probability of rainfall	International Conference on Mountain Hydrology and Cryosphere	Nepal Committee for the International Association of Hydrological Sciences (IAHS)	2023	ADS-46	116
8	Priya K. L.	WREE	A study on salinity intrusion of Ashtamudi estuary during pre-monsoon period	4 th IAHR Young Professionals Congress Online	International Association for Hydro-Environment Engineering and Research	2023	KLP-35	117
9	Priya K. L.	WREE	Influence of the Covid 19 Pandemic on plastic debris accumulation in the Ashtamudi estuary.			2023	KLP-36	118
10	Priya K. L.	WREE	Evaluating the geospatial variability of sedimentary and hydrodynamic factors in the Ashtamudi estuary			2023	KLP-37	119
11	Kavitha Madhu	TRE	Review of Advanced Driving Assistance System for the Overtaking Drivers	Innovative Methods and Practical Applications for Cognizant Transportation Systems (IMPACTS 2023)	Transportation Engineering Research Center, College of Engg. TVM in association with NIT Calicut and KSCSTE	2023	KAM-5	120
12	Kavitha Madhu	TRE	Advances in Traffic Density Estimation: A Review of Traditional and Modern Methods			2023	KAM-6	121
13	Kavitha Madhu	TRE	Review on the Role of Rejuvenators and the Effect of Salt erosion on Binder Properties			2023	KAM-7	122

Conference Presentations and Proceedings in the Academic Year 2022-23

No.	Faculty	Stream	Paper Title	Conference	Organiser	Year	Code	Pg
1	Sajeed R.	SE BTCM	Experimental Evaluation of Compression Properties of Reclaimed Rubber Base Isolator	ICMSC 2022	TKMCE Kollam	2022	SBR-8	123
2	Sajeed R.	SE BTCM	Seismic Performance of Multistoried Building Frames with Unbonded Scrap Tyre Pad Isolators	ICMSC 2022	TKMCE Kollam	2022	SBR-9	124
3	Seema K. Nayar	SE BTCM	Key Performance Indicators for Life Cycle Performance Measurement of PPPs in Sustainable Port Development Projects	ICMSC 2022	TKMCE Kollam	2022	SKN-1	125
4	Anu V. Thomas	SE BTCM	Evolution of Arbitration Law in India	ICMSC 2022	TKMCE Kollam	2022	ATH-2	126
5	Anu V. Thomas	SE BTCM	Analysis of Contractor-Related Delay Factors in Building Construction	ICMSC 2022	TKMCE Kollam	2022	ATH-3	127
6	Chinsu Mereena Joy	SE BTCM	Prediction Of Compressive Strength Of Concrete Using ANN	International Conference On Recent Advances In Civil Engineering (ICRACE'22)	Cochin University of Science & Technology	2022	CMJ-3	128
7	Ramaswamy K. P. Mohammed Thowsif	SE BTCM	Numerical Analysis of PVC Foam-Filled Honeycomb Hybrid Core Sandwich Wall Panels With Aluminium Face Sheets	ICMSC 2022	TKMCE Kollam	2022	KPR-7 MTH	129
8	Ramaswamy K. P.	SE BTCM	Study on the factors causing rework of building construction in Kerala using Interpretive Structural Modelling (ISM)	ICMSC 2022	TKMCE Kollam	2022	KPR-8	130
9	Ramaswamy K. P.	SE BTCM	Effect of ground granulated blast furnace slag in limecrete with added natural admixtures	ICMSC 2022	TKMCE Kollam	2022	SBR-10 KPR-9	131
10	Ramaswamy K. P.	SE BTCM	Investigation on Aggressiveness of Organic Acids on Degradation of Ordinary Portland Cement Mortar	ICMSC 2022	TKMCE Kollam	2022	KPR-10 SBR-11	132
11	Ramaswamy K. P.	SE BTCM	Effect of admixtures in blast furnace slag-fly ash based alkali-activated paste	ICMSC 2022	TKMCE Kollam	2022	KPR-11	133
12	Sajeed R. Ramaswamy K. P.	SE BTCM	Fresh and Hardened Properties of Earth Concrete	ICMSC 2022	TKMCE Kollam	2022	SBR-12 KPR-12	134
13	Ramaswamy K. P.	SE BTCM	Numerical Study on Flexural Behavior of Alkali-Activated Slag Concrete Beam by ANSYS	ICMSC 2022	TKMCE Kollam	2022	KPR-13 CMJ-4	135
14	Bushra M. A. Ramaswamy K. P.	SE BTCM	Numerical analysis of alkali activated geopolymer concrete slab under impact load	ICMSC 2022	TKMCE Kollam	2022	BMA-1 KPR-14	136
15	Ramaswamy K. P.	SE BTCM	Numerical Evaluation of Alkali Activated Reinforced Geopolymer Concrete Column	ICMSC 2022	TKMCE Kollam	2022	KPR-15	137

16	Ramaswamy K. P.	SE BTCM	Effect of sucrose on slag- fly ash-based alkali activated paste	International Conference on Sustainable Practices in Engineering & Technology (IC-SPET'23)	SBCE Pattoor	2023	KPR-16	138
17	Ramaswamy K. P.	SE BTCM	Effect of borax in slag- fly ash-based alkali activated paste		SBCE Pattoor	2023	KPR-17	139
18	Ramaswamy K. P.	SE BTCM	Effect of Bio-Admixtures on Hardened Properties of Alkali-Activated Mortar (AAM)		SBCE Pattoor	2023	KPR-18	140
19	Asif Basheer	SE BTCM	Evaluation of Vertical Stiffness of Scrap Type Pad Base Isolator with Change in Aspect Ratio	ICMSC 2022	TKMCE Kollam	2022	ASB-1	141
20	Romana Mariyam Rasheed	GTE	Critical Review on the behaviour of Lithium (Li) Ion in plastic soils	Geo-Congress 2022, Charlotte, North Carolina	ASCE	2022	RMR-17	142
21	Romana Mariyam Rasheed	GTE	Shrinkage characteristics of biopolymer treated expansive soil	Geo-Congress 2022, Charlotte, North Carolina	ASCE	2022	RMR-18	143
22	Adarsh S.	WREE	Anomaly Detection of Streamflow Time Series using LSTM Autoencoder	ICMSC 2022	TKMCE Kollam	2022	ADS-47	144
23	Adarsh S.	WREE	Statistical Characterization of Maximum Temperature of Kerala	ICMSC 2022	TKMCE Kollam	2022	ADS-48	145
24	Adarsh S.	WREE	Multiscale Analysis of Drought Teleconnections of West Central India using Wavelet Coherence	ICMSC 2022	TKMCE Kollam	2022	ADS-49	146
25	Priya K. L.	WREE	Association Of Eutrophication Parameters And Water Quality Parameters Of Two Selected Estuaries	19 th Annual Meeting of the Asia Oceania Geosciences Society	Asia Oceania Geosciences Society	2023	KLP-38	147
26	Priya K. L.	WREE	GHG Emissions, Environmental Technologies, and Renewable Energy Status in the Philippines	International Conference on 'Toward Net Zero Emissions: Policy and Practice,	Hanoi University of Natural Resources and Environment	2023	KLP-39	148
27	Priya K. L.	WREE	Evaluation of Floc Characteristics Induced by Heavy Metals in an Estuarine Environment	CCORE 2022	CCORE	2022	KLP-40	149
28	Priya K. L.	WREE	Predicting the Spatio-temporal Evolution of DO and COD in the Bouregreg Estuary (Morocco): First Results	CCORE 2022	CCORE	2022	KLP-41	150
29	Priya K. L.	WREE	Salt Water Intrusion Prediction Using An Artificial Neural Network in the Bourgreg Estuary Morocco	WREM 2022	WREM	2022	KLP-42	151
30	Priya K. L.	WREE	Influence of Heavy Metals and Non-cohesive Sediments on the Flocculation Behavior of Kaolin	ICMSC 2022	TKMCE Kollam	2022	KLP-43	152

31	Indu M S	WREE	Comparative Assessment of Continuous Flow Photocatalytic Oxidation Reactors for Organic Wastewater Degradation	ICMSC 2022	TKMCE Kollam	2022	IMS-8	153
32	Indu M S	WREE	A Comparative Assessment of GIS Integrated ILP and MILP Techniques for Solid Waste Routing	ICMSC 2022	TKMCE Kollam	2022	IMS-9	154
33	Munavar Fairouz C.	TRE	Anomaly Detection of Streamflow Time Series using LSTM Autoencoder	ICMSC 2022	TKMCE Kollam	2022	MUN-3	155
34	Munavar Fairouz C.	TRE	Review on Factors Influencing Passenger Behavior on Vehicle Sharing	ICMSC 2022	TKMCE Kollam	2022	MUN-4	156
35	Sai Niveditha M. G.	TRE	Life Cycle Cost Analysis of Pavement Using BIM: Review	ICMSC 2022	TKMCE Kollam	2022	SND-1	157

Conference Presentations and Proceedings in the Academic Year 2021-22

No.	Faculty	Stream	Paper Title	Conference	Organiser	Year	Code	Pg
1	Ramaswamy K. P., Sajeed R.	SE BTCM	Effect of acid replenishment and acid concentration on compressive strength of ordinary Portland cement mortar exposed to acetic acid	International Conference on Advances in Construction Materials and Structures (ICCMS 2021)	Trinity College Dublin, Sun Yat-Sen University, China, ZJU-UIUC Institute, Virginia Tech USA, St Thomas Institute for Science & Technology, Kerala, RILEM	2021	KPR-20 SBR-13	158
2	Ramaswamy K. P.	SE BTCM	Review on the Effects of Admixtures on Alkali Activated Concrete			2021	KPR-21	159
3	Anu V. Thomas	SE BTCM	Performance Evaluation Model for Engineering, Procurement and Construction Projects using Performance Prism Framework	2 nd International Conference on Recent Trends in Engineering Technology and Management – 2022 (ICRETM - 2022)	Christ the King Engineering College, Karamadai, Tamilnadu	2022	ATH-4	160
4	Anu V. Thomas	SE BTCM	Analysis of Risk Factors for Public Private Partnership (PPP) Projects in Construction Industry using Analytical Hierarchy Process			2022	ATH-5	161
5	Bushra M A	SE BTCM	Performance Evaluation of Unconfined Masonry Infill Walls			2022	BMA-2	162
6	Chinsu Mereena Joy	SE BTCM	A survey on surface crack detection in concretes using traditional, image processing, machine learning & deep learning techniques	International conference on communication, control and information sciences	Government Engineering College Idukki	2021	CMJ-5	163
7	Amal Azad Sahib Kavitha Madhu	GTE TRE	Mechanistic-Empirical Approach for the Response Analysis of Flexible Pavement using KENPAVE: A Review	Innovations in Civil Engineering 2021	Marian Engineering College, TVM	2021	AAZ-1 KAM-8	164
8	Amal Azad Sahib	GTE	Study on Enhancement of Thamarachal Clay and its Utilization in Brick Making	Indian Young Geotechnical Engineers Conference 2021	IIT Madras	2021	AAZ-2	165
9	Priya K. L. Indu M. S.	WREE	Performance Evaluation of Electro-coagulation with Hybrid Electrodes in the Decolourisation of Methyl Orange Dye	International Conference on Advances in Civil Engineering	Amal Jyothi College of Engineering	2021	KLP-44 IMS-10	166

Summary of Conference Presentations and Proceedings

	2024-25	2023-24	2022-23	2021-22	Total
SE BTCM	2	2	19	6	29
GTE	0	1	2	2	5
WREE	0	7	11	1	19
TRE	1	3	3	1	8
Total	3	13	35	10	60