

Research Publications:

(a) Papers published in National / International Journals:

(i) SCI Journals

Sl. No.	Title of the Paper	Author(s)	Name of the Journal	Vol.& Year	Pages
1	Application of a Distributed Hydrologic Model to Assess the Impact of Climate and Land-use Change on Surface Runoff from a Small Urbanizing Watershed	N. M. Sabitha, Santosh G. Thampi, & D. Sathish Kumar	Water Resources Management	https://doi.org/10.1007/s11269-022-03349-0	
2	fMWNTs/GO/MnO ₂ nanocomposites as additives in a membrane for the removal of crystal violet	Sabna V., Santosh G. Thampi, S. Chandrakaran, Sasina E. P. & Resmi P.	Membrane and Water Treatment	12(5), 2021	205-216
3	Assessment and Prediction of Soil Erosion and its Impact on the Storage Capacity of Reservoirs in the Bharathapuzha River Basin, India	Jisha John, Chithra Nelson Rosamma, & Santosh G Thampi	Environmental Modelling & Assessment	Vol.27, 2021	77 - 103
4	Development of a framework for sand auditing of the Chaliyar River basin, Kerala, India using HEC-HMS and HEC-RAS model coupling	Abhijith Sathya, Santosh. G. Thampi, N. R. Chithra	International Journal of River Basin Management	https://doi.org/10.1080/15715124.2021.1909604	
5	Assessment of Land Surface Temperature Dynamics over the Bharathapuzha River Basin, India	Jisha John, N. R. Chithra, Santosh. G. Thampi	Acta Geophysica	69 (3), 2021	855-876
6	Assessment of Nonstationarity and Uncertainty in Precipitation Extremes of a River Basin Under Climate Change	Ansa Thasneem, N. R. Chithra, Santosh. G. Thampi	Environmental Monitoring and Assessment	26 (3), 2021	295-312
7	Sea level prediction using climatic variables: a comparative study of SVM and hybrid wavelet SVM approaches	S. Sithara, S. K. Pramada, Santosh G. Thampi	Acta Geophysica	68:1779–1790 https://doi.org/10.1007/s11600-020-00484-3 , 2020	
8	Impact of projected climate change on seawater intrusion on a regional coastal aquifer	S. Sithara, S. K. Pramada, Santosh G. Thampi	Journal of Earth System Science	129:218, https://doi.org/10.1007/s12040-020-01485-y , 2020	
9	Photocatalytic treatment of Amiodarone and Levetiracetam in pharmaceutical industry effluent: Process optimization using response surface methodology	Prakash Chinnaiyan, Santosh G Thampi, Mathava Kumar, Meera Balachandran	Desalination and Water Treatment	170, 2019	253-264
10	Analysis of extreme precipitation and its variability under climate change in a river basin	Ansa Thasneem, N. R. Chithra, Santosh. G. Thampi	Natural Hazards	98, 2019	1169–1190
11	Prediction of land use/cover change in the Bharathapuzha river basin, India using geospatial techniques	Jisha John, N. R. Chithra, Santosh. G. Thampi	Environmental Monitoring and Assessment	191: 354 https://doi.org/10.1007/s10661-019-7482-4 2019	

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12	Photocatalytic degradation of metformin and amoxicillin in synthetic hospital wastewater: effect of classical parameters	Prakash. C., Santosh. G. Thampi, Mathava Kumar, and M. Balachandran	International Journal of Environmental Science and Technology	16: 5463–5474 https://doi.org/10.1007/s13762-018-1935-0 2019	
13	Degradation of rhodamine B with manganese dioxide nanorods	Sabna, V., Santosh G. Thampi and S. Chandrakaran	Journal of Water and Health	16 (5), 2018	pp. 846-856
14	Adsorptive removal of cationic and anionic dyes using graphene oxide	V. Sabna, Santosh G. Thampi and S. Chandrakaran	Water Science & Technology	78 (4), 2018	pp. 732-742
15	Pharmaceutical products as emerging contaminant in water: relevance for developing nations and identification of critical compounds for Indian environment	Prakash. C., Santosh. G. Thampi, Mathava Kumar, and K. M. Mini	Environmental Monitoring and Assessment	190: 288 https://doi.org/10.1007/s10661-018-6672-9 2018	
16	Estimation of friction coefficient for double walled permeable vertical breakwater	Lamanto. T. Somervell, Santosh. G. Thampi A.P. Shashikala	Ocean Engineering	156 2018	pp. 25-37
17	A Novel Approach for the Optimal Design of a Vertical Cellular Breakwater Based on Multi-Objective Optimization	Lamanto. T. Somervell, Santosh. G. Thampi A.P. Shashikala	Coastal Engineering Journal	59 (4), 2017	
18	Hydrodynamic Characteristics of Vertical Cellular Breakwater	Lamanto. T. Somervell, Santosh. G. Thampi A.P. Shashikala	ASCE Journal of Waterway, Port, Coastal, Ocean Eng.	143 (5), 2017	
19	Adsorption of Crystal Violet onto Functionalised Multi-walled Carbon Nanotubes: Equilibrium and Kinetic Studies	Sabna. V, Santosh GThampi, S. Chandrakaran	Ecotoxicology and Environmental Safety	134 (2), 2016	pp.390-397
20	Prediction of the likely impact of climate change on monthly mean maximum and minimum temperature in the Chaliyar river basin, India using ANN based models	Chithra N. R., Santosh G Thampi, Sujith Surapaneni, Revanth Nannapaneni, A. Ashok Kumar Reddy, J. Dinesh Kumar	Theoretical and Applied Climatology	121, 2015	pp. 581-590
21	Performance of coir geotextiles as an attached media in biofilters for nutrient removal	Mukulath, G., Thampi, S. G.	International Journal of Environmental Sciences	3(2), 2012	pp.784-794
22	Impact of anticipated climate change on direct groundwater recharge in a humid tropical basin based on a simple conceptual model	Santosh. G. Thampi, Raneesh. K. Y	Hydrological Processes	26 (11), 2012	pp. 1655–1671
23	Numerical modelling of contaminant transport in sets of parallel fractures with fracture skin	Nair, V. V., and Thampi, S. G.	Journal of Porous Media	15(1), 2012	pp. 95-100
24	Removal of lead from wastewater by adsorption using acid activated clay	Resmi, G ., Thampi, S. G ., Chandrakaran, S.	Environmental Technology	33 (3), 2012	pp.291-297

Sl. No.	Title of the Paper	Author(s)	Name of the Journal	Vol. & Year	Pages
25	A triple continuum one-dimensional transport model for colloid facilitated contaminant migration in sets of parallel fractures with fracture skin	Vinish. V. Nair, Santosh. G. Thampi	Colloids and Surfaces A: Physicochemical & Engineering Aspects	373, 2011	pp.74-81
26	A study on the impact of climate change on streamflow at watershed scale in the humid tropics	Raneesh. K. Y., Santosh. G. Thampi	Hydrological Sciences Journal	56 (6), 2011	pp. 946-965
27	<i>Brevundimonasvesicularis</i> : A novel bio-sorbent for removal of lead from wastewater	Resmi, G ., Thampi, S. G., Chandrakaran, S.	International Journal of Environmental Research	4(2), 2010	pp. 281-288
28	Biosorption of lead by immobilized biomass of <i>BrevundimonasVesicularis</i> : batch and column studies	Resmi, G.; Thampi, G. Santosh; Chandrakaran, S.; Elias, Premni	Separation Science and Technology	45(16), 2010	pp. 2356-2362
29	Numerical modelling of colloid transport in sets of parallel fractures with fracture skin	Vinish V. Nair, Santosh G. Thampi	Colloids and Surfaces A: Physicochemical & Engineering Aspects	364, 2010	pp. 109-115
30	An alternate approach for modelling of transient vaporous cavitation	Sumam, K. S., Thampi, S.G., Sajikumar, N.	International Journal for Numerical Methods in Fluids	63(5), 2010	pp.564-583

(ii) In Scopus Indexed Journals- Other than those listed in (i) above.

Sl. No.	Title of the Paper	Author(s)	Name of the Journal	Vol. & Year	Pages
1	Performance Evaluation of three Event-Based Rainfall-Runoff Models for a Small Tropical Watershed	N. M. Sabitha, Santosh G. Thampi, & D. Sathish Kumar	Water Resources	49 (6), 2022	973-983
2	Hourly Flood Forecasting Using Hybrid Wavelet SVM	Baheerah Shada, N. R. Chithra & Santosh G Thampi	Journal of Soft Computing in Civil Engineering	6 (2), 2022	1-20
3	Performance evaluation and numerical simulation of vertical subsurface flow constructed wetlands in wastewater treatment	Surya Thazhathu Veetil, Santosh G Thampi	Advances in Environmental Technology	Vol. 7(1), 2021	pp. 37-46.
4	Terrain attributes of sacred grove locations point towards conscious spatial delineation	Anjana Bhagyanathan, A. K. Kasthurba, Santosh. G. Thampi, Deepak Dhayanithy	Current Science	114 (5), 2018	pp. 957-959
5	Development of hybrid wavelet-ANN model for hourly flood stage forecasting	Ashlin Ann Alexander, Santosh G. Thampi & Chithra N. R.	ISH Journal of Hydraulic Engineering	24 (2), 2018	pp. 266-274

Sl. No.	Title of the Paper	Author(s)	Name of the Journal	Vol. & Year	Pages
6	Downscaling future projections of monthly precipitation in a catchment with varying physiography	Chithra, N. R., Santosh. G. Thampi	ISH Journal of Hydraulic Engineering	23 (2), 2017	pp. 144-156
7	Sacred Groves in Peri-Urban Areas: An Opportunity for Resilient Urban Ecosystems	Anjana Bhagyanathan, A. K. Kastrurba, Santosh. G. Thampi, Deepak Dhayanithy	International Journal of Earth Sciences and Engineering	10 (1), 2017	pp. 75-82
8	Wave Reflection form Corrugated Beach and Vertical Upright Breakwater	Lamanto. T. Somervell, Santosh. G. Thampi A.P. Shashikala	Int. Journal of Engg. Research and Technology	3 (12), 2014	pp. 26-29
9	A simple semi-distributed hydrologic model to estimate groundwater recharge in a humid tropical basin	Raneesh. K. Y., Santosh. G. Thampi	Water Resources Management	27 (5), 2013	pp. 1517-1532
10	Influence of flow velocity on conservative solute transport in sets of parallel fractures with fracture skin	Nair, V. V., Thampi, S. G.	Journal of the Geological Society of India	80, 2012	pp.524-530
11	A triple continuum transport model for colloid migration in fractured formations	Nair, V. V., Thampi, S. G.	KSCE Journal of Civil Engineering	16(3), 2012	pp.293-297
12	Impact of lead contamination on the engineering properties of clayey soil	G. Resmi, Santosh. G. Thampi, S. Chandrakaran	Journal of the Geological Society of India	77(1), 2011	pp. 42-46
13	Dug well contamination by septic tank effluent and remediation using coir geotextiles	Mukulath, G., Biju, M. S., Thampi, S. G.	Int. Journal of Earth Sciences and Engineering	4(3), 2011	pp.532-538
14	Influence of scale on SWAT model calibration for streamflow in a river basin in the humid tropics	Santosh. G. Thampi, Raneesh. K. Y., Surya. T. V.	Water Resources Management	24(15), 2010	pp.4567-4578
15	Prediction of streamflow, sediment yield, and nutrient load in the Chaliyar river basin, Kerala, India	Raneesh. K. Y., Surya. T. V., Santosh. G. Thampi	Int. Journal of Earth Sciences and Engineering	3(5), 2010	pp.654-661
16	Variable Wave Speed Model for Transient Bubbly Flow	Sumam, K. S., Thampi, S. G., Sajikumar, N.	Modelling, Measurement and Control (B), AMSE	Vol.76, No.2, 2007	pp. 34-50

Other Journals

Sl. No.	Name of the Journal / Book/ Report	Title of the Paper	Authors	Vol. (No.), Page, Year
1	Journal of Water Resource and Protection	Experimental Investigations on Flouride Removal from Water using Nanoalumina- Carbon Nanotubes Blend	K. Smitha, Santosh G Thampi	9, pp. 760-769, 2017
2	Journal of Applied Hydrology	Modelling Colloid Transport in Sets of Parallel Finite Fractures with Fracture Skin	Renu. N., Santosh. G. Thampi, and Vinish. V. Nair	Vol. XXVI, Nos.1-4, 2014, pp. 51-63
3	Journal of Climatology and Weather Forecasting	Bias Correction for RCM Predictions of Precipitation and Temperature in the Chaliyar River Basin	Raneesh. K. Y. and Santosh. G. Thampi	1(2):105, 6pp., 2013

Sl. No.	Name of the Journal / Book/ Report	Title of the Paper	Authors	Vol. (No.), Page, Year
4	Journal of Bioremediation and Biodegradation	Biodegradation of coir geotextiles attached media in aerobic biological wastewater treatment	Mukkulath, G., and Thampi, S. G.	3(11), 2012
5	Hydrology Journal (Special issue on Climate Change)	Assessment of climate change impact on streamflow in the Chaliyar basin	Raneesh. K. Y. and Santosh. G. Thampi	33, pp. 37-48, 2011
6	International Journal of Biological Sciences and Engineering	Treatment of lead contaminated wastewater using non-living microbial cells	Resmi, G., Thampi, S. G., and Chandrakaran, S.	1(2), pp.78-83, 2010
7	Amrapali Technical Journal of Civil Engineering	Removal of lead from contaminated soil: application of soil washing	Chandrakaran, S., Santosh. G. Thampi, G. Resmi	1(1), pp. 59-67, 2010
8	Journal of the Indian Water Works Association	Simulation Study of Madras City Water Supply System	Raman, H., Mohan, S., and Thampi, S.G	Vol. XXII, pp.271-279, 1990

(b) Papers Presented in National/International Conferences

Sl. No.	Title of the Paper	Author(s)	Name of the Conference	Date, Venue, National/ International
1	Estimation of Groundwater Recharge – A Study of the Noyyal River Basin	Mathan Ram Velavan K, Santosh G Thampi & R. Arunkumar	9th International Groundwater Conference (IGWC2022)	2-4 November 2022, IIT Roorkee
2	Study of pluvial flooding under a changing climate in Thiruvananthapuram city, India	Rahul Raj & Santosh G Thampi	Int. Conf.on Water and Environmental Management WEM-2022	22-24 June 2022 CWRDM, Kozhikode
3	Uncertainties in future streamflow predictions in the context of projected climate change: A study of the Chaliyar River	Ansa Thasneem S, Santosh G Thampi & Chithra N R	3 rd AIT- BNU Virtual Workshop on Climate Change, Water Resources and Ecosystems: Challenges and Opportunities	22 September 2021 Virtual
4	Climate change and hydropower potential: An assessment of the Idukki Hydroelectric Project, India	Vydyam Krishna Swaroop & Santosh G Thampi	-do-	22 nd September 2021 Virtual
5	Statistical downscaling of daily precipitation using a hybrid ANN model	Vydyam Krishna Swaroop and Santosh G Thampi	International Conference on Innovative Trends in Hydrological and Environmental Systems	28-30 April 2021 NIT Warangal International
6	Flood Mapping of Chaliyar Basin using Sentinel-1 SAR Data	Rijun. T. Raju, Santosh. G. Thampi, and Sathish Kumar. D.	-do-	28-30 April 2021 NIT Warangal International
7	Significance of Stress-Sensitivity Analyses and Monitoring of Structural Behavior of Concrete Double Curvature Arch Dams using Finite Element Modelling for the Safety Evaluation of Existing Dams	Jiji Panicker K, Praveen Nagarajan, Santosh G. Thampi	ICOLD Symposium on Sustainable Development of Dams and River Basins	24 - 27 February 2021 New Delhi International

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8	Wetted perimeter method to determine environmental flow requirements of the Chaliyar river basin	Sachin Ramesh. V. V., and Santosh. G. Thampi	International Conference on Recent Advances in Civil Engineering for Sustainable	13-14 February 2021 MANIT, Bhopal International
9	Assessment of climate change impact on streamflow in a sub-basin of the Bharathapuzha river basin, Kerala	Akash Singh Raghuvanshi and S. G. Thampi	-do-	13-14 February 2021 MANIT, Bhopal International
10	A Study on Challenges in the Rehabilitation of Large Masonry and Concrete Dams	Jiji Panicker K, Praveen Nagarajan, Santosh G.Thampi	International Conference on Materials, Mechanics and Structures 2020	14-15 July 2020 NIT Calicut International
11	Performance Evaluation of Vertical Subsurface Flow Constructed Wetlands in Wastewater Treatment	T. V. Surya and Santosh. G. Thampi	Second ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE2020)	2-4 March 2020 Kolkata International
12	Impact of Projected Climate Change on Streamflow and Sediment Yield – A Case Study of the Chaliyar River Basin, Kerala	Abhijith Sathya, Santosh. G. Thampi	Roorkee Water Conclave 2020	26-28 February 2020 IIT Roorkee International
13	Grid Search Based SVM Approach for Sea Level Rise	Pramada. S. K., O. Archana Sajith, S. Sithara, and Santosh. G. Thampi	10th International Conference on Future Environment and Energy	7-9 January 2020, Kyoto, Japan International
14	Modelling sediment transport in the Chaliyar river, Kerala, India	Abhijith Sathya, Santosh. G. Thampi, Chithra. N. R.	HYDRO2019	18-20 December 2019 Hyderabad International
15	Analysis of flow over the ogee spillway and energy dissipators of the Kuttiyadi dam	Snehapoornima. P. V., Santosh G Thampi, Sathish Kumar. D.	HYDRO2019	18-20 December 2019 Hyderabad International
16	Application of the TRES model to assess the impact of changes in land-use on runoff from a small catchment	Sabitha, N. M., Santosh G Thampi, Sathish Kumar. D.	HYDRO2019	18-20 December 2019 Hyderabad International
17	Comparison of Two Event Based Rainfall Runoff Models for a Small Catchment in Kerala	Sabitha, N. M., Santosh G Thampi, Sathish Kumar. D.	5th Int. Conf. on Modeling and Simulation in Civil Engineering	11 – 13 December, 2019 Kollam International
18	Modelling soil erosion in the Chaliyar river basin, Kerala	Abhijith Sathya, Santosh. G. Thampi, Chithra. N. R.	6 th India Water Week 2019	24-28 September 2019 New Delhi International
19	Flood inundation mapping of Cauvery River using HEC-RAS and GIS	Abhijith Sathya, Santosh G. Thampi	ARICE 2019	13-14 June 2019 Kochi International

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20	Critical Review on Stress-Sensitivity and other Behavioral Aspects of Arch Dams	Jiji Panicker K, Praveen Nagarajan, Santosh G.Thampi	ARICE 2019	13-14 June 2019 Kochi International
21	Optimisation of system parameters for the removal of Metformin in a photocatalytic reactor employing TiO ₂	Prakash Chinnaiyan, S G Thampi	Int. Conf. on Materials Science and Manufacturing Technology (ICMSMT 2019)	12-13 April 2019 Coimbatore International
22	Use of TiO ₂ for removing emerging contaminant in water – Amoxicillin as a case study	Prakash Chinnaiyan, S G Thampi	Int. Conf. on Materials Science and Manufacturing Technology (ICMSMT 2019)	12-13 April 2019 Coimbatore International
23	Development of Decision Support System for Integrated Operation of Reservoirs: A Conceptual Framework	Sathish Kumar. D., Santosh. G. Thampi	International Dam Safety Conference 2019	13-14 February 2019 Bhubaneswar International
24	Design Flood Estimation using Geomorphological Instantaneous Unit Hydrograph Model for a Small Watershed in Kerala	N. M. Sabitha, Santosh. G. Thampi, Sathish Kumar. D.	International Dam Safety Conference 2019	13-14 February 2019 Bhubaneswar International
25	Impact of Climate Change on Probable Maximum Precipitation in a River Basin	Ansa Thasneem. S., Chithra. N. R., Santosh. G. Thampi	International Dam Safety Conference 2019	13-14 February 2019 Bhubaneswar International
26	Performance Evaluation of Batch Operated Constructed Wetlands in Wastewater Treatment	Surya. T. V., Santosh. G. Thampi, Reeshna. V.	National Environmental Conference (NEC 2019)	31 st Jan-2 nd Feb 2019 IIT Bombay National
27	Performance Evaluation of Oyster Shell Bedded Constructed Wetlands in Wastewater Treatment	Surya. T. V., Santosh. G. Thampi, Reeshna. V.	International Conference on Industrial Water, Energy and	25-26 January 2019 CODISSIA, Coimbatore International
28	Heterogeneous photocatalytic process using TiO ₂ for removing emerging contaminant in water - experimental investigations and modelling	Prakash Chinnaiyan, Santosh G Thampi, Adarsh Nair, Abinav Shanker K	International Conference on Industrial Water, Energy and Environment (ICIWE)	25-26 January 2019 CODISSIA, Coimbatore International
29	Metformin - an emerging pharmaceutical contaminant - removal - experimental investigation and modelling	P.Chinnaiyan, S.G Thampi, Bharath Krishnaa A C	Int. Conf. on Emerging Contaminants in Water and Environment (ECWE-2019)	21-23 January 2019 PSG College of Technology, Coimbatore
30	Statistical Downscaling of Sea Level by Support Vector Machine and Regression Tree Approaches	Sithara. S., Pramada. S. K., and Santosh. G. Thampi	HYDRO-2018 International	19-21 December, 2018 NIT Patna International
31	Assessment and Application of the Morphometric Attributes of the Bharathapuzha River Basin, India using Geographical Information System	Jisha John, Chithra N R, Santosh G Thampi	HYDRO-2018 International	19-21 December, 2018 NIT Patna International

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32	Seepage and Stability Analysis of an Earthen Dam	M. F. Azjad, Santosh. G. Thampi, S. Chandrakaran	International Dam Safety Conference 2018	23-24 January 2018 Thiruvananthapuram
33	Design Storm Estimation for Small Dams under Climate Change	Ansa Thasneem. S., Chithra, N. R., Santosh. G. Thampi	International Dam Safety Conference 2018	23-24 January 2018 Thiruvananthapuram
34	Impact of Projected Climate Change on Sediment Yield in the Chaliyar River Basin, India	Ansa Thasneem. S., Santosh. G. Thampi, Chithra, N. R.	International Soil and Water Assessment Tool Conference 2018	10-12 January 2018 IIT Madras International
35	Assessment of the Impact of Climate Change on Streamflow Regime	Akash Singh Raghuvanshi, Santosh. G. Thampi	22 nd Int. Conf. on Hydraulics, Water Resources, and Coastal Engineering HYDRO2017	21-23 December 2017 Ahmedabad International
36	Estimation of Sediment Yield from a Catchment under Projected Climate Change	Akash Singh Raghuvanshi, Santosh. G. Thampi	India Water Week 2017	10-14 November 2017 New Delhi National
37	Shore Protection using Double Plate Vertical Porous Breakwater	Lamanto. T. Somervell, Santosh G Thampi, A. P. Shashikala	37 th IAHR World Congress	13-18 August 2017 Kuala Lumpur International
38	Manganese oxide nanoparticles for the oxidative degradation of Rhodamine B	Sabna. V, Santosh. G. Thampi, S. Chandrakaran	Fifth Int. Conf. on Water, Energy, and Environment 2017 (ICWEE2017)	28 February- 2 March 2017 Sharjah International
39	Sacred Groves by design-community participation for resilient landscapes	Anjana Bhagyanathan, A.K.Kasthurba, Santosh.G.Thampi	Int. Conf. on Peri-Urban Development: Concept, Emerging Ideas and Notions of Sustainability	27-28 January 2017 IIT Madras International
40	Sacred Groves and Ecological Design- Cultural Insights for Stormwater Regulation	Anjana Bhagyanathan, A.K.Kasthurba, Santosh.G.Thampi	ISOLA Annual Conference 2017 – Changing Climates, Evolving Landscapes	20-21 January 2017 Goa National
41	Aesthetics of wilderness-sacred groves as indigenous ecological landscape design in Kerala	Anjana Bhagyanathan, A.K.Kasthurba, Santosh.G.Thampi	THANIMA 2 Reimagining Aesthetic Unfolding – From Conditioning to Awakening 2 nd Int. Conf. on Design Pedagogy and Contextual Aesthetics	19-21 January 2017 NIT Calicut International
42	Dam Break Analysis of Peringalkuthu Dam using HEC-RAS	Chithra, N. R., Santosh. G. Thampi, Athira. S.	Third National Dam Safety Conference	18-19 January 2017 IIT Roorkee National
43	GIS Based Morphometric Analysis for Flash Flood Estimation in Killi Basin	Sabitha, N. M., Santosh. G. Thampi, Sathish Kumar. D.	Int. Conf. on Hydraulics, Water Resources and Coastal Engineering	8 – 10 December 2016 CWPRS, Pune International

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44	Estimation of Flood Hazard Map for Killi Basin using GIS Based Morphometric Parameters	Sabitha, N. M., Santosh. G. Thampi, Sathish Kumar. D.	ISRS - ISG National Symposium on Recent Advances in Remote Sensing and GIS with Special Emphasis on Mountain Ecosystems	7 – 9 December 2016 IIRS, Dehradun National
45	Assessment of variation in streamflow due to projected climate change for watershed management in the Chaliyar river, India	Ansa Thasneem. S., Santosh. G. Thampi, Chithra, N. R.	Int. Conf. on Water Security and Climate Change: Challenges and Opportunities in Asia (WSSC 2016)	29 November-1 December 2016 AIT, Bangkok International
46	Oxidative Degradation of Rhodamine B using Needle like MnO ₂ Nanoparticles	Sabna. V, Santosh. G. Thampi, S. Chandrakaran	Int. Conf.on Innovations in Sustainable Water & Wastewater Treatment Systems (ISWATS 2016)	21-23 April 2016 Pune International
47	Improving water use efficiency by soil moisture measurements and modelling	Neethu. A., Santosh. G. Thampi, Pramada, S. K.	India Water Week 2016	4-8 April 2016 New Delhi National
48	An investigation on the oxidative degradation of crystal violet using needle like MnO ₂ nanostructures	Sabna. V, Santosh. G. Thampi S. Chandrakaran	28 th Kerala Science Congress (KSC 2016)	28-30 January 2016 University of Calicut National
49	Identification of the Most Sensitive Parameters for Assessment of the Impact of Climate Change on Streamflow in the Chaliyar River Basin	Ansa Thasneem. S., Santosh. G. Thampi, Chithra, N. R.	28 th Kerala Science Congress (KSC 2016)	28-30 January 2016 University of Calicut National
50	Estimation of Probable maximum Flood at the Peringalkuthu Dam using CWC Method and Snyder's Method	Athira. S., Chithra, N. R., Santosh. G. Thampi	Second National Dam Safety Conference	12-13 January 2016 IISc, Bangalore National
51	Slope directions of sacred grove locations	Anjana Bhagyanathan, A.K.Kasthurba, Santosh.G.Thampi	Vastuvidya 2015	10 April 2015 Kozhikode National
52	Detection and Attribution of Climate Change Signals in Precipitation in the Chaliyar River Basin, Kerala, India	Chithra, N. R., Thampi, S. G.	Int. Conf. on Water Resources, Coastal, and Ocean Engg. (ICWRCOE2015) (Published in Aquatic Procedia, Elsevier)	NITK, Surathkal 12.03.2015 - 14.03.2015 International
53	Modelling and CFD Analysis of Traditional Snake Boats of Kerala	B. Venkata Subbaiah, Santosh GThampi, V. Mustafa		
54	Application of different isotherm models for equilibrium sorption of crystal violet onto functionalized multi-walled carbon nanotubes	Sabna. V, Santosh G Thampi, S. Chandrakaran	International Conference on Energy, Environment, Materials, and Safety (ICEEMS'14)	10-12 December 2014 School of Engineering, CUSAT, Cochin, International

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55	Fabrication and characterization of functionalized multiwalled carbon nanotubes/ polysulfone nanocomposite membrane	Sabna. V, Santosh G Thampi S. Chandrakaran	Swadeshi Science Congress 2014	6–8 Nov 2014 Malayalam University, Tirur, National
56	Traditional vessels of Kerala: case study of the Uru of Kozhikode	B. Venkata Subbaiah, Santosh G Thampi, V. Mustafa	Swadeshi Science Congress 2014	-do-
57	Deflouridation of water using nano alumina	Smitha. K. Santosh G Thampi	Int. Conference on Advances in Ch. Engg. and Tech. (ICACE-2014)	16- 18 October 2014 TKM CoE, Kollam, Kerala
58	Modelling groundwater pollution vulnerability using a coupled DRASTIC–Fuzzy logic based approach	Sreedevi. S., Santosh G Thampi, Adarsh. S.	Int. Conf. on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC-2014)	27-29 Sept2014 NITT International
59	Assessment of the impact of climate change on streamflow of the Chaliyar river basin, India	Chithra N. R., Santosh G Thampi	19 th IAHR-APD Congress, 2014	21-24 Sept. 2014 Hanoi International
60	Functionalisation of multiwalled carbon nanotubes	Sabna. V, Santosh G Thampi, S. Chandrakaran	International Conference on Advanced Functional Materials (ICAFM-2014)	19-21 Feb 2014 NIIST, Pappanamkode, Thiruvananthapuram
61	Selection of predictors for downscaling meteorological data – A study of the Chaliyar river basin	Chithra N. R., Santosh G Thampi	Int. Symposium on Integrated Water Resources Management	19-21 February 2014 CWRDM, Kozhikode,
62	Bias correction of ANN based statistically downscaled monthly mean maximum and minimum temperature data for the Chaliyar river basin	Chithra N. R., Santosh G Thampi	National Conference on Changing Climatic Scenario and Sustainable Resource Management	17-19 January 2014 NSS CoE, Palakkad, National
63	Bias correction of ANN based statistically downscaled precipitation data for the Chaliyar river basin	Chithra N. R., Santosh G Thampi	International Conference on Energy and Environment ICEE 2013	12-14 December 2013 M G University, Kottayam, Kerala
64	Modelling groundwater pollution vulnerability using a coupled DRASTIC–Fuzzy logic based approach	Sreedevi, S., Thampi, S. G., Adarsh, S.	International Conference & Exhibition on Water, Wastewater & Isotope Hydrology (ICE-WWISH-2013)	25-27 July 2013 Bangalore University, International
65	Fixed-bed column study for Fluoride removal from aqueous solution using aluminium oxide nanoparticles	Smitha, K. , Thampi, S. G.		
66	Carbon nanotubes for desalination of water	Sabna, V., Thampi, S. G., Chandrakaran, S.		

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67	Nanomaterials for fluoride removal from water	Smitha. K. Santosh G Thampi	Int. Conference on Advanced Polymeric Materials (ICAPM 13)	11-13 Oct. 2013 M G University, Kottayam, Kerala
68	Modelling the influence of selected climatic variables on groundwater recharge in a humid tropical river basin	Raneesh. K. Y., Santosh G Thampi	5 th International Groundwater Conference (IGWC 2012)	18-21 December 2012 Aurangabad, International
69	Performance evaluation of aluminium oxide nanoparticles in defluoridation of water	Nishida. S, Smitha. K. Santosh G Thampi	Young Water Talents Symposium 2012 organised by NTU, Singapore	1 st July 2012 NTU, Singapore International
70	Coir geotextiles attached media degradation in aerobic biological wastewater treatment	Gopan Mukkulath, Santosh.G.Thampi		
71	Assessment of groundwater pollution vulnerability in the Chaliyar river basin	Sreedevi, S., Thampi, S. G.	Young Water Talents Symposium 2011 organised by NTU, Singapore	4 th July 2011 NTU, Singapore International
72	Investigations of molecular dynamics of water-carbon nanotube interactions	Amrutha, S., Smitha, K., Thampi, S. G.		
73	Impact of land use/ land cover and climate change on groundwater recharge in a humid tropical watershed using a simple hydrologic model	Santosh. G. Thampi and Raneesh. K. Y.	3 rd International Geography Congress	6 th to 8 th May 2011 CWRDM, Kozhikode International
74	Carbon nanotubes for flouride adsorption from drinking water	Smitha, K., and Santosh G Thampi	National Seminar on Recent Emerging Advances in Civil Engineering and Technology, Thrissur	25 th and 26 th March 2011 National
75	Performance evaluation of aluminium oxide nanoparticles for flouride adsorption from drinking water	Smitha, K., and Santosh G Thampi	National Conference on Environmental Challenges Towards Sustainability	24 th and 25 th March 2011 Coimbatore National
76	A mathematical model for contaminant transport resulting from the dissolution of a single component dense non-aqueous phase liquid pool	Sruthi. R. Krishnan, and Santosh G Thampi	5th National Conference on Focussing on Advances in Civil Engineering, Kollam	24 th to 27 th February 2011 TKM CoE National
77	Performance evaluation of carbon nanotubes and aluminium oxide nanoparticles in flouride adsorption from drinking water	Smitha, K., and Santosh G Thampi	Second International Conference on Materials for the Future, Thrissur	23 rd to 25 th February 2011 GCE, Thrissur International
78	Sediment yield estimation from an agricultural watershed in the humid tropics using SWAT	Raneesh. K. Y., Santosh G Thampi	National Seminar on Mining of River Sand and its Impacts on the Environment	18 th and 19 th February 2011 CWRDM, National
79	Modelling the impact of climate change on groundwater recharge in a humid tropical basin	Santosh G Thampi, Raneesh. K. Y.	IWWA 43 rd Annual Water Convention 2011, Madras	11 th to 13 th January 2011 Madras, National

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80	Impact of climate change on groundwater recharge in a humid, tropical watershed	Raneesh. K. Y., Santosh G Thampi	Second Int. Conf. on Environmental Management, Hyderabad	JNTU, Hyderabad 25-28 Oct 2010 International
81	Application of SWAT for analyzing the impact of land use/ land cover on changes in streamflow and sediment yield in a humid tropical	Raneesh, K. Y., Thampi, S. G.	Young Water Talents Symposium 2010 organised by NTU, Singapore	NTU, Singapore 28 th June to 2 nd July, 2010 International
82	Adsorptive removal of flouride from drinking water	Smitha, K. Thampi, S. G.		
83	Sediment yield and nutrient load estimates from an agricultural watershed in the humid tropics	Surya, T. V., Raneesh, K. Y., Thampi, S. G.	National Seminar on Soil, Water and Crop Management for Higher Productivity of Spices	11 th and 12 th February 2010 CWRDM, Calicut National
84	Evaluating the sediment yield estimation potential of SWAT on an agricultural watershed	Raneesh, K. Y., Thampi, S. G Surya, T. V.	Third Int. Conference on Hydrology and Watershed Management (ICHWAM-2010)	3 rd to 6 th February 2010 JNTU, Hyderabad International
85	Microbial treatment for remediating lead contaminated water	Resmi, G., Thampi, S. G., Chandrakaran. S	Kerala Science Congress 2010	28 th January to 31 st January 2010 National
86	Critical fracture skin diffusion coefficient for contaminant transport in sets of parallel fractures with fracture skin	Nair, V. V., Thampi, S. G.	Int. Conf. on Advances in Materials, Mechanics and Management, IMMM2010	CoE, Trivandrum 14 th to 16 th January 2010 International
87	Durability of coir geotextiles used in wastewater treatment	Gopan, M. Thampi, S. G.	ASCE-EWRI 3 rd Developing Nations Conf. India 2010- An Intl. Perspective on Current & Future State of Water Resources & the Environment	5 th to 7 th January 2010 IIT, Madras International
88	Transient vaporous cavitation in U-PVC pipes – an experimental investigation	Sumam, K. S., Thampi, S. G., Sajikumar, N.		
89	Application of the Soil and Water Assessment Tool (SWAT) on an agricultural watershed in the humid tropics	Raneesh, K. Y., Surya, T.V. , Thampi, S. G	National Conference on Sustainable Water Resources Management (SWaRM-2010)	7 th to 9 th January 2010 NITK, Surathkal National
90	Analysis of conservative solute transport in a single fracture using triple porosity approach	Nair, V. V., and Thampi, S. G.		
91	Assessment of climate change impact on streamflow in the Chaliyar basin	Raneesh, K. Y., and Thampi, S. G.	National Symposium on Climate Change and Water Resources in India	18 th and 19 th November 2009 NIH, Roorkee
92	Studies on transport behaviour of lead through soil	Resmi, G., Thampi, S. G., and Chandrakaran, S	International Conference on Advances in Concrete, Structural and Geotechnical Engineering	25 th to 27 th October, 2009 BITS, Pilani International

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93	Numerical modelling of contaminant transport in crystalline rocks with fracture skin	Nair, V. V., and Thampi, S. G.	International Conference on Emerging Technologies in Environmental Science	26 th to 28 th October, 2009 AMU, Aligarh International
94	Future scenario analysis of streamflow and nutrient load in the Chaliyar river basin using a distributed hydrological model	Surya, T. V., Raneesh, K. Y., and Thampi, S. G.	National Seminar on Emerging Trends in Environment and Development	8 th and 9 th October 2009 University of Kerala National
95	Predicting hydrologic response to climate change in the Chaliyar river basin using the SWAT model	Raneesh. K. Y. and Santosh. G. Thampi	National Workshop on Climate and Development	29 - 30 June 2009 KAU, Trivandrum National
96	Novel method for onsite treatment of low volume organic rich wastewater by continuous flow biofilters	Gopan, M. and Thampi, S. G.	Young Water Talents Symposium 2009, NTU, Singapore	22 nd to 25 th June 2009 NTU, Singapore International
97	A triple porosity transport model for contaminant migration in a single fracture	Nair, V. V. and Thampi, S. G.		
98	Analysis of contaminant transport in a single fracture using triple porosity approach	Nair, V. V. and Thampi, S. G.	National Conference on Recent Innovations in Technology	26 th to 28 th March 2009 RIT, Kottayam National
99	Septage contamination in dug wells and remediation using coir geotextile attached media biofilters	Gopan, M., Biju. M. S., and Thampi, S. G.	International Conference on Energy and Environment 2009	19 th to 21 st March 2009 NIT, Kurukshetra International
100	Numerical modelling of tsunamigenic currents and its influence on the submarine pipe design at select locations on the	Jayakumar, S., Reddy, A., and Thampi, S. G.	Third International Conference in Ocean Engineering, ICOE2009, IIT, Madras	1 st to 5 th February 2009 IIT Madras International
101	Organics removal in a coir geotextile biofilter for the treatment of organic rich low volume industrial wastewater	Thampi, S. G., Gopan, M., & Cherian, B.	International Conference on Environment ICENV2008, University	15 th to 17 th December 2008 Penang International
102	Nitrate removal in a coir geotextile biofilter for the onsite treatment of organic rich low volume industrial wastewater	Gopan, M. and Thampi, S. G.	National Conference on Integrated Water and Wastewater Management NCIWMM, School of Water Resources Engineering, Jadavpur University	20 th to 22 nd November 2008 School of Water Resources Engineering, Jadavpur University National
103	Effectiveness of a laterite packed bed column in removing heavy metal from wastewater	Resmi G., Thampi, S. G., Chandrakaran, S.		
104	Studies on transport of dissolved mass in groundwater	Resmi, G., Reshma, P.P., Thampi, S. G., Chandrakaran, S.	Young Water Talents Symposium 2008 organised by NTU,	23 rd to 26 th June 2008 NTU, Singapore
105	Contaminant transport in the subsurface environment and the role of modelling	Resmi, G., Reshma, P.P., Chandrakaran, S. S. G. Thampi	National Conference on Learning Organizations in Indian Scenario LEO-08	26 th to 27 th March 2008 NSSCE, Palakkad National

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106	Experimental investigations on adsorption of lead in lateritic soils	Resmi, G., Chandrakaran, S., and S. G. Thampi	National Conference on Advances in Civil Engineering ACE 08	9-10 March 2008 Department of Civil Engg., AEC, Bhatkal National
107	Necessity for tuning strategies for efficient management of decentralized water supply schemes operated by beneficiary groups: a case study	Narayanan Namboodiri, T.V., Santosh. G. Thampi	36 th Annual Conference of the IWWA	January 2004
108	Watershed based sustainable developmental approach for effective groundwater	Narayanan Namboodiri, T.V., Santosh. G. Thampi	All India Seminar on Interlinking of Rivers and its Effects on Kerala	Institution of Engrs., Kozhikode December 2003
109	Effect of sorption kinetics on aerobic biodegradation in stratified porous media	Santosh. G. Thampi, Sekhar, M.	Int. Conf. on Water and Wastewater: Perspectives of	IIT Delhi December 2002
110	Groundwater dams	S. G. Thampi, Syamala, P., D. I. Ponniah	Third Water Congress	RGNDWM, MoWR New Delhi February 1996
111	Comparative evaluation of evaporation estimation methods	Mohan, S., S. G. Thampi	International Workshop on Evaporation from Open Water Surfaces	CBIP Vadodara November 1989

Books/Monographs/ Book Chapters Published:

Sl. No.	Name of Book/ Monograph/Book Chapter	Author(s)	Year of Publication	Publisher
1	Assessment of Variation of Streamflow Due to Projected Climate Change in a Water Security Context: A Study of the Chaliyar River Basin, India	Ansa Thasneem S, Santosh G Thampi, & Chithra N R	2021 pp. 223-237	Water Security in Asia: Opportunities and Challenges in the Context of Climate Change, Mukand Babel et. al. (eds.), Springer
2	Statistical Downscaling of Sea Level by Support Vector Machine and Regression Tree Approaches	Sithara S., Pramada.S.K., Santosh G Thampi	2021, pp. 183-192	Climate Change Impacts on Water Resources, Jha, R., Singh, V.P., Singh, V., Roy, L.B., Thendiyath, R. (eds.), Springer
3	Assessment of the Impact of Projected Climate Change on Streamflow and Groundwater Recharge in a River Basin	Santosh G. Thampi, K.Y. Raneesh	2015, pp. 143-176	Managing Water Resources under Climate Uncertainty – Examples from Asia, Europe, Latin America, and Australia, Shreshta, S., Anal. A. K., Salam. P. A., and van der Valk. M. (eds.), Springer
4	Uncertainty Analysis of Statistically and Dynamically Downscaled Precipitation Data: A Study of the Chaliyar River Basin, Kerala, India	Santosh. G. Thampi, N. R. Chithra	2015, pp. 127-142	Managing Water Resources under Climate Uncertainty – Examples from Asia, Europe, Latin America, and Australia, Shreshta, S., Anal. A. K., Salam. P. A., and van der Valk. M. (eds.), Springer
5	Numerical Simulation of Groundwater Flow and Mass Transport for Effective Management of Aquifers	Santosh. G. Thampi	2005	Mathematical Modelling of Mass Transport and Some Mass Transfer Processes in Saturated Porous Media (Book brought out by DST and CESS)

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6	Water Supply in Kerala	Santosh. G. Thampi, Syamala, P.	2006	Kerala Development Report published by the Kerala State Planning Board for the Planning Commission, Govt. of India
7	Analysis of the Effects of Rate Limited Sorption on the Transport of Non Linearly Biodegradable Contaminants	Santosh. G. Thampi, M. Sekhar	2002	Computational Methods in Water Resources Vol. I Published by Elsevier