

5th International Conference on Modeling and Simulation in Civil Engineering (ICMSC) 2019
SCHEDULE OF PRESENTATIONS

Day	Time	Paper ID	Session 1 - Water Resources Engineering (WRE) Chair: Dr. M C Philipose, Dr. Shibu A	Venue: PTA HALL
11.12.2019 AN	14.45-14.55	76	Analytical evidence for deep ocean warming trend in tropical Indian Ocean	Malavika A. R, Maya L Pai and Saji P K Kavya Johny, Maya L Pai and Adarsh S Athira T and Agilan V Preeti Kulkarni, Shreenivas Londhe, Pradnya Dixit and Nilesh Sathe Soumya R, Anjitha U G, Smitha Mohan, Adarsh S and Gopakumar R Anila Saju and Sheena Hassan Ashma A Rahman and Sheena Hassan Akhila V and Adarsh S
	14.55-15.05	23	An Investigation on Drought Teleconnection with Indian Ocean Dipole and El-Nino Southern Oscillation for Peninsular India Using Time Dependent Intrinsic Correlation	
	15.05-15.15	32	Impact of Climate Change on Rainfall Over Chennai	
	15.15-15.25	131	Fuzzy Logic Based Reservoir Operation	
	15.25-15.35	110	Incorporation of Non-Stationarity in Precipitation Intensity-Duration-Frequency Curves for Kerala, India	
	15.35-15.45	11	A Study of Flow Pattern and Sediment Deposition in Rectangular Shallow Reservoirs	
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15.55-16.05	75	Application of artificial intelligence techniques in prediction of Cyclic resistance ratio (CRR) of clean sands		
Day	Time	Paper ID	Session 2 - Structural Engineering (STR) Chair: Dr. Syam Prakash, Dr. Sirajuddin M	Venue: CENTRAL LECTURE THEATRE
11.12.2019 AN	14.45-14.55	16	Comparative Study of Experimental & Numerical Analysis of Fluid Parameters around Tall Buildings	Sreelakshmi K Nair and Mohammed Thowsif Thasleen N and Dr. P.A. Krishnan P.A. Gayathri D S and Parvathy U Shibin B and Anurutha P Shaish K John, Yashida Nadir and Girija K Aleena Joseph and Anupama Krishna Raji Ravimony, Anitha Joseph and Lalu Mangal Biju V Manjusha Muraleedharan and Althaf Mohammed Ayisha Anwar and Adarsh S
	14.55-15.05	27	Seismic Analysis of Plan Irregular RC Building Frames	
	15.05-15.15	36	Buckling Analysis of Slender Hollow Core CFST Column	
	15.15-15.25	39	Numerical Study on the Behaviour of Reinforced Concrete Beam with Longitudinal Hole	
	15.25-15.35	40	Nonlinear Finite Element Modelling of Concrete Columns Confined with Textile Reinforced Mortar	
	15.35-15.45	41	Analytical Study on the Performance of Concrete Columns Strengthened with Fibre Reinforced Concrete Jackets	
	15.45-15.55	125	Investigations on the Flexural Performance of Laminated Glass	
	15.55-16.05	17	Study on Behaviour of Cast Steel K-Joints in Circular Hollow Sections	
	16.05-16.15	37	Numerical Analysis on Flexural Behaviour of GFRP Sandwich Roof Panel with Multilayer Core Material	
	16.15-16.25	116	A Review on Fractal Applications in Structural Engineering	
Day	Time	Paper ID	Session 3 - Building Materials (BTCM) Chair: Dr. S Suresh, Dr. K P Ramaswamy	Venue: APJ HALL
11.12.2019 AN	14.45-14.55	49	Performance of controlled low strength material made using industrial by-products	Vinay Kumar Singh and Sarat Kumar Das Arya E K and Dhanya B.S. George George, Sarif N., Hazeena R. and Gokul P. Ashok Paul Ben, Dhanya B S Anu Thomas, K P Ramaswamy, Adarsh Nair, R Padmanabhan, Tom Isaac and Vishnu Anilkumar Thushara Raju, K P Ramaswamy and B. Saraswathy Athira Ajay, K P Ramaswamy and M. Nazeer Chinnu Mariam Ninan, Athira Ajay, K P Ramaswamy, Anu V. Thomas and Alexandra Bertron Aswin Vijay, Vivek Vijayan and Ramzi Nasar K Deepa Paul and Bindhu K.R.
	14.55-15.05	58	Review on the Corrosion of Steel Reinforcement in Reinforced Concrete Structures and its Mitigation Through Electrochemical Techniques	
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	15.15-15.25	57	Re-Emphasising the Need for Proper Curing in Concrete	
	15.25-15.35	72	Strength of Concrete with Wood Ash and Waste Glass as Partial Replacement Materials	
	15.35-15.45	93	Effects of Slag and Superplasticizers on Alkali Activated Geopolymer Paste	
	15.45-15.55	96	A Study on Compatibility of Superplasticizers with High Strength Blended Cement Paste	
	15.55-16.05	97	A Critical Review on the Effect of Organic Acids on Cement-Based Materials	
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Day	Time	Paper ID	Session 4 - Water Resources Engineering (WRE) Chair: Dr. P G Jairaj, Dr. Adarsh S	Venue: PTA HALL
12.12.2019 FN	10.45-10.55	14	An Investigation into the Impact of Reservoir Management Kerala Floods 2018: A Case Study of Kakki Reservoir	Ciaran Ryan, Mark Trigg and Adarsh S Sreethu S Nanditha H S, Reshmidevi TV and L Udayasimha Preeti Kulkarni, Shreenivas Londhe, Pradnya Dixit and Shalaka Shah Samayya P. B., Anitha Joseph and Udayakumar J Gouri R, PP Mujumdar Sabitha N M, Dr Santosh G Thampi and Dr Sathish Kumar D Shenu Jose and Shibu A Revathy Raj S and Dr Shibu A
	10.55-11.05	50	Fuzzy Node Flow Analysis of Water Distribution Networks Using Jaya Algorithm	
	11.05-11.15	128	Surface Water and Ground Water Interactions: An Overview	
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	11.35-11.45	123	Evaluation of geomorphologic similarity between the sub-catchments of Cauvery river basin	
	11.45-11.55	44	Comparison of Two Event Based Rainfall Runoff Models for a Small Catchment in Kerala	
	11.55-12.05	85	Impact of climate change on stream flow in Vamanapuram river basin	
	12.05-12.15	86	Classification of Ground Water Vulnerable Regions in Chavara using Index based Methods	
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12.12.2019 FN	10.45-10.55	61	Experimental and Analytical Studies on the Compression Properties of Scrap Tyre Pad Base Isolators	Ancy Mathew, Firdouse F. S. and Sajeeb R. Akhil S and Sajeeb R Vigneshwaran R and Dr.Prabavathy S Prabu Baskar, Kumutha Rathnam and Vijai Kanagarajan Jisa Johnson and Sarif N. Rahul R S and Althaf M Jithin Abraham and Sarif Nazir Priscila Csilly Thomas and Bindu S. Sooriya P. and Sajeeb R.
	10.55-11.05	63	A Simplified Procedure for the Seismic Analysis of RC Moment Resisting Setback Frames	
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	11.35-11.45	35	Spectral Fatigue Analysis of Offshore Jacket Structure Using SCFS from Parametric Equations and FEA	
	11.45-11.55	109	Pushover Analysis of a Multi Storeyed RC Building	
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Day	Time	Paper ID	Session 6 - Building Materials (BTCM) Chair: Dr. Job Thomas, Dr. M Nazeer	Venue: APJ HALL
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	11.25-11.35	18	Improving the Sustainability of Concrete Using Natural Fibres - A Review	
	11.35-11.45	38	Rheological and Mechanical Characterization of Self-Compacting Concrete with Utilization of Supplementary Sustainable Cementitious Materials	
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12.12.2019 AN	14.45-14.55	4	IoT Based Real Time Air Quality Monitoring System Using Raspberry Pi	Deepika Sasi, Lijitha Merlin Jacob, Robin David and Shimol Philip Mohammed Bin Zacharia Kothakkethil, Aaliya Azeem and Athira S Aaliya Azeem, Athira S and Mohammed Bin Zacharia Rejvas V A, Praveen A and Ajitha T Febina A Manaf and Priya K L Sruthy G S, Arya S Nair, Priya K L and Adarsh S Manu Lissy P N, Dr.Madhu G and Dr.Roy M Thomas Seema Nihalani Steffi Chacko, Anju Mariyam Chand and Swarnalatha K H. Adhil Ahmed, Shabina S, Nayana Ajayakumar, Suzita Varghese and Dr. Sudhi Mary Kurian
	14.55-15.05	20	Circular economic business model for sustainable waste segregation and resource recovery.	
	15.05-15.15	22	Extraction of Paracetamol and Amoxicillin from Synthetic Solution Using Activated Carbon	
	15.15-15.25	62	Emission Exposure Assessment Using Real Time Traffic Flow Information	
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	15.35-15.45	66	Trophic State Index for Surface water bodies - A Review	
	15.45-15.55	67	Absorption of Copper ions from Waste Water Using PPV/Al ₂ O ₃ -Fe ₃ O ₄ Nanocomposite.	
	15.55-16.05	97	Heavy Metal Assessment in Urban Particulate Matter in Industrial Areas of Vadodra City	
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12.12.2019 AN	14.45-14.55	#133	Energy analysis in the pre-design stage - Case studies of residential occupancy	Poornima Kurup, Jayakrishnan G, Ayyappa K A Khadeeja Husain and Anu Thomas Nivea Thomas, Vaibhav Handuja and K Chandrashekar Iyer Aparna Nair and Seema K Nayar Manu Noushad, Anu V. Thomas and K P Ramaswamy Ayisha Anwar and Adarsh S Sayiba S, Seema K. Nayar Vineeth Venu and Adarsh S Arya M R, Sivakumar S and Adarsh S
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	15.05-15.15	31	Performance Evaluation of Indian Air Routes	
	15.15-15.25	88	Key Performance Indicators of Sustainability	
	15.25-15.35	89	Investigation on the Factors Contributing to the Abandonment of Buildings in Construction	
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13.12.2019 AN	14.00-14.10	46	Effect of Reduced Graphene Oxide on the Mechanical Properties of Concrete	Jyothimol P and Hazeena R Nimmis S Lal and Hazeena R Sheba Babu and K P Ramaswamy Rinu G. David and K P Ramaswamy Athira Ajay, K P Ramaswamy and Anu V. Thomas Reshma S and K P Ramaswamy Thasrifa M., K P Ramaswamy and M Nazeer Muhammed Nabil K., Namitha S., Reshma Sundhar, Mohammed Rafeeque N. V., Thushara Raju, Ramaswamy K. P. Sheba Babu, K P Ramaswamy and M. Nazeer Sunil Behanan and Bindhu K R
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	15.00-15.10	118	An Experimental Investigation on the Interaction between Superplasticizers and Geopolymer Paste	
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15.30-15.40	55	Hysteresis and Bond-Slip Finite Element Models for Reinforced Concrete Structural Elements - A State of Art		
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13.12.2019 AN	14.00-14.10	51	Study on Interaction of Brine on Expansive Soil	Vl Gayathri and P Hari Krishna Jinraj R. B., Chanthu R, Sibi Joy, Jayasree P.K. and Leema Peter Rajji Mohan Rekha Ambi, Dr. Jayasree P.K. and Dr.Urnikrishnan N Gowri Krishna S. R. and Rekha Ambi Ramon Varghese, A Boominathan and Subhadeep Banerjee Amal Azad Sahib, Robinson R. G. Aswathy J S, Prince Anuraj and James E J
	14.10-14.20	59	Study on Influence of Latex Backing on Transmissivity of Jute Geotextiles	
	14.20-14.30	74	Strength characteristics of weak subgrade soil stabilised using Nano Chemical and Nano Silica	
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13.12.2019 AN	14.00-14.10	6	Development of Crash Prediction Model for Two Lane Undivided Highway in Mixed Traffic Condition	Greeshma Raju and Geeva George R Muralidhar, Vivek R Das and Varsha S Danavandi Vijay J Chitaria, Jaladhi V Chitaria, Ishan Patel and Neel Panchal Tiju Susan Thomas, Snehalatha P.S., Dhanya B.S. and Sunitha K. Nayar Manuvar Fainos, Cheraschery, Prathiba Madhukumar Raji, Silpa Surendran, Abhijith Sindhu Nath, Nourin Navab and Kiyum Padu Devika R and Harikrishna M Dr.Srikanth Seelam Bindhu Bernard and Binu Sara Mathew
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