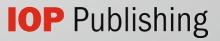
First International Conference on Materials Science and Manufacturing Technology 2019 (ICMSMT 2019)

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First International Conference on Materials Science and Manufacturing Technology (ICMSMT)

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S.No.	Paper ID	Title of the Paper	Name of the Authors	Affiliation
1.	MS 3001	Properties and Performance of Mortar and Concrete Made with Recycled Glass Powder as Binder and Aggregate	Anand Kumar B.G Dr. Ravindra.R	Rashtreeya Vidyalaya college of Engineering, Bengaluru, Karnataka India.
2.	MS 3003	Critical properties of binary mixtures of hydrocarbons for linear hard sphere models of molecules based on ISPT, Nezbedaand Boublikequations of state, and the chain equation of state of R J Sadus	S Kaur	Nirmala college, Ranchi- 834002, Jharkhand (India)
		Critical properties of binary mixtures of hydrocarbons for linear hard sphere models of molecules based on ISPT, Nezbedaand Boublikequations of state, and the chain equation of state of R J Sadus	B PAkhouri	Birsa College, Khunti- 835210, Jharkhand (India)
3.	MS 3005	High Strength FlowableAlkali Activated Slag Concrete Mixes produced using industrial wastes	Manjunath R Mattur C.Narasimhan	National Institute of Technology Karnataka, Surathkal, Mangalore-575 025, India
4.	MS 3006	Experimental Study on the Compressive Strength and Permeable Properties of GGBS Based Geopolymer Pervious Concrete	AnandhBabu Malayali, RameshBabu Chokkalingam, Vinay Singh M	Kalasalingam Academy of Research and Education, India
5.	MS 3007	Study of microstructure and wear properties of novel aluminium-modified fly ash composite	Bijayani Panda, Vishwanatha A D, Harisha P, Chandan K R	CMR Institute of Technology, Bengaluru- 560037, India
		Study of microstructure and wear properties of novel aluminium-modified fly ash composite	Niranjan C A	BMS College of Engineering, Bengaluru- 560019, India
		Study of microstructure and wear properties of novel aluminium-modified fly ash composite	Rakesh Kumar	RV College of Engineering, Bengaluru-560059, India
6.	MS 3008	Performance Evaluation of Fly-ash based Self-compacting geopolymer concrete mixes	Manjunath R	National Institute of Technology Karnataka, Surathkal, Mangalore – 575 025, India.
		Performance Evaluation of Fly-ash based Self-compacting geopolymer concrete mixes	Ranganath.R.V	BMS College of Engineering, Bangalore - 560019, India.
7.	MS 3010	Effect of addition of OPC on Performance characteristics of Self- compacting Alkali activated slag concrete mixes	Manjunath R Mattur C.Narasimhan	National Institute of Technology Karnataka, Surathkal, Mangalore – 575 025, India

S.No.	Paper ID	Title of the Paper	Name of the Authors	Affiliation
8.	MS 3012	Phosphorus recovery as induced struvite from deep dewatered liquors using magnesium chloride as a magnesium source	H R Rashmi C P Devatha	National Institute of Technology Karnataka, Surathkal, Mangalore – 575 025, India
9.	MS 3015	A case study of identification and classification of microplastics using aluminium sulfate in wastewater treatment facility on the university campus	U Yoganandhan S Yuvedha, V R Arun ³ S. Salman Kuristh	Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Virudunagar District, Pin- 626126
10.	MS 3017	Fracture Behaviour of Recycled Aggregate Concrete Beams – An Experimental Study	S Jagan	Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Virudunagar District, Pin- 626126
11.	MS 3019	Experimental Study on the Behaviour of Hybrid Fiber Reinforced Geopolymer Concrete under Ambient Curing Condition	Chithambar Ganesh A Muthukannan. M	Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Virudunagar District, Pin- 626126
12.	MS 3020	Experimental Investigation on Fibre Reinforced Concrete Using Waste Plastics and Different Mineral Admixtures	M C Prahallada, D T Naveenkumar	Sri Venkateswara College of Engineering, Bengaluru- 562157
		Experimental Investigation on Fibre Reinforced Concrete Using Waste Plastics and Different Mineral Admixtures	D M Sangeetha	A J Institute of Engineering & Technology, Mangaluru - 574142
13.	MS 3022	Synthesis and characterization of phenylacrylonitrile derivatives of aromatic aldehydes in presence of DBU	R Rejithamol, S Beena, C S Sajitha, N K Malavika Dileep, A Drisya, P R Keerthi	Amrita Vishwa Vidyapeetham, Amritapuri, 690 525, India.
14.	MS 3024	Tensile behavior of lightweight foam filament	NithinKamath Rajesh Anawal Mrityunjay Doddamani	National Institute of Technology Karnataka, Surathkal, India
15.	MS 3026	Influence of cold temperature on performance of concrete in J & K – Comparison studies	A R Dar	National Institute of Technology. Srinagar, J&K, India
16.	MS 3028	Advanced performance of fly ash co- mixtured self-compacting concrete	A R Dar	National Institute of Technology. Srinagar, J&K, India
17.	MS 3029	Effect of supplementary cementitious materials on the mechanical properties of green concrete specimens	A R Dar	National Institute of Technology. Srinagar, J&K, India
18.	MS 3031	Use of industrial waste as partial fine aggregate replacement in SCC	S S Vivek G Dhinakaran	SASTRA Deemed University, Thanjavur – 613 401, India.

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19.	MS 3032	Quantitative analysis of microplastics in wastewater from treatment plant by visual identification and FT-IR imaging using H ₂ O ₂ and FeSO ₄ : A case study	S Yuvedha, U Yoganandhan, Dr. N V N Nampoothiri	Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Virudunagar District, Pin- 626126
20.	MS 3040	Improved performance of coal bottom ash co-mixtured concrete	Satgurdev Simran, Ravi Kumar	Kurukshetra. University, Haryana, India
		Improved performance of coal bottom ash co-mixtured concrete	A R Dar	National Institute of Technology. Srinagar, J&K, India
		Improved performance of coal bottom ash co-mixtured concrete	MAdil Dar JRaju	Indian Institute of Technology. Delhi, New Delhi, India
21.	MS 3044	Utilization of M-Sand & Basalt Fiber in Concrete: <i>An Experimental Study on</i> <i>Strength and Durability Properties</i>	PL Meyyappan, P Amuthakannan, R Sutharsan M AhamedAzik Ali	Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Virudunagar District, Pin- 626126
22.	MS 3049	Experimental investigations on hole quality in drilling of cenosphere reinforced epoxy composite	S B Angadi	KLE Dr. M. S. Sheshgiri College of Engineering & Technology, Belagavi, Karnataka, India
		Experimental investigations on hole quality in drilling of cenosphere reinforced epoxy composite	Ashrith H S, Mrityunjay Doddamani	National Institute of Technology Karnataka, Surathkal, Karnataka, India
		Experimental investigations on hole quality in drilling of cenosphere reinforced epoxy composite	V N Gaitonde, S R Karnik	B V B College of Engineering & Technology, Hubballi, Karnataka, India
23.	MS 3064	Study of degradation of elastic modulus of light weight concrete	L J Sanjeev Kumar, B Yaswanth, N Manoj Kumar Reddy, P Bhuvaneswari	SASTRA Deemed University, Thanjavur - 613 401, India.
24.	MS 3064	Experimental studies to characterize gradation segregation of asphalt mixes	V Kiran, H S Jagadeesh, T M Anusha	B.M.S College of Engineering, Bangalore 560019, Karnataka, India
25.	MS 3067	Experimental investigation on the stabilization of soft clay using granulated blast furnace slag	Preetham H K, Sitaram Nayak Surya E V	National Institute of Technology, Karnataka, Surathkal, Mangalore – 575 025, India
26.	MS 3073	Effect of fillers on vibration damping and transmissibility of polydimethylsiloxane gels	V G Jayakumari, Rahna K Shamsudeen T Mukundan	Naval Physical and Oceanographic Laboratory, Kochi - 682021, India
		Effect of fillers on vibration damping and transmissibility of polydimethylsiloxane gels	G Madan Gopal,	Vellore Institute of Technology, Vellore, Tamil Nadu - 632014, India
27.	MS 3076	Synthesis Characterisation and anti- microbial properties of two Salicylaldimine Schiff base complexes of transition metals	Anaja Omanakuttan, G Priyanka, R Divya Mohan	Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Amritapuri - 690 525, India.

S.No.	Paper ID	Title of the Paper	Name of the Authors	Affiliation
28.	MS 3077	Friction and wear characteristics of polyetheretherketone (PEEK): A review	A H Mir, M S Charoo	National Institute of Technology, Srinagar.
29.	MS 3083	Durability Performance of Fly Ash and Steatite Powder Based Geopolymer Concrete	Premkumar R, Ramesh Babu Chokkalingam	Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Virudunagar District, Pin- 626126
		Durability Performance of Fly Ash and Steatite Powder Based Geopolymer Concrete	M Shanmuga sundaram.	Vellore Institute of Technology, Chennai, Tamil Nadu, India.
30.	MS 3086	Investigation of utilization of Flyash in Self Compacting Concrete	Mukilan. K, Chithambar Ganesh.A, Ahameed Azik	Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Virudunagar District, Pin- 626126
31.	MS 3092	Experimental investigation of Open Graded mixes using Reclaimed Asphalt Pavement	T M Anusha, H S Jagadeesh,	B.M.S College of Engineering, Bangalore 560 019, Karnataka, India
		Experimental investigation of Open Graded mixes using Reclaimed Asphalt Pavement	S Sunil	R V College of Engineering, Bangalore 560 059, Karnataka, India
32.	MS 4003	Experimental Investigation on the Effect of Silica fume and Pumice stone in Developing Light Weight Concrete	PL Meyyappan, R Sutharsan, M AhamedAzik Ali	Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Virudunagar District, Pin- 626126
33.	MS 4008	Effect of mineral admixtures on early age properties of high performance concrete	K. Poongodi, P. Murthi, R. Gobinath	S R Engineering College, Warangal, India
		Effect of mineral admixtures on early age properties of high performance concrete	P. O. Awoyera,	Covenant University, Ota, Nigeria
34.	MS 4014	Enhancing wear rate of high-density polyethylene (HDPE) by adding ceramic particles to propose an option for artificial hip joint liner	Yousuf Jamal Mahboba, Mohsin Abdullah Al- Shammari	University of Baghdad, College of Engineering, Iraq
35.	MS 4017	On the density calculation of fabricated zirconia toughened alumina by unconventional method	SudipKundu, SubhrojyotiMazumder, SupradeepaPanual G, KunalGhosh, NilrudraMandal	CSIR-Central Mechanical Engineering Research Institute, Durgapur, West Bengal-713209, India
36.	MS 4022	MHD combined convection flow of non- Newtonian liquid with viscous dissipation and thermophoretic effects	K.M. Prabu, E. Elanchezhian S. Suresh	Sri Vidya Mandir Arts & Science College, Katteri – 636 902, Uthangarai, Tamil Nadu, India.
37.	MS 4026	Synthesis and characterization of calcium fluoride added zirconia toughened alumina composite powder	Kishor Kumar Sadhu, Sourav Acharya,	BIT Sindri -828123, India

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		Synthesis and characterization of calcium fluoride added zirconia toughened alumina composite powder	Subhrojyoti Mazumder, Poulomi Roy, Nilrudra Mandal	CSIR-Central Mechanical Engineering, Research Institute, Durgapur-713209, India.
		Synthesis and characterization of calcium fluoride added zirconia toughened alumina composite powder	Bijay Kumar Show	National Institute of Technology Durgapur, Durgapur - 713209, India.
38.	MS 4032	Influence of Alkaline Activator Ratio on Compressive Strength of GGBS Based Geopolymer Concrete	N Ganesan, C Ramesh Babu PL Meyyappan	Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Virudunagar District, Pin- 626126
39.	MS 4038	Optimisation of system parameters for the removal of Metformin in a photocatalytic reactor employing TiO ₂	Prakash Chinnaiyan, S G Thampi	NIT Calicut, Kozhikode, India – 673601
		Optimisation of system parameters for the removal of Metformin in a photocatalytic reactor employing TiO ₂	Bharath Krishnaa AC, Malavika Sasi , L Tejashwi	Amrita School of Engineering, Coimbatore, Amrita Vishwa Vidyapeetham (University), India
40.	MS 4042	Tensile characteristics of HDPE / Walnut shell composites	Suprit Malagi	Visvesvaraya Technological University, RRC-Belagavi, Karnataka, India
		Tensile characteristics of HDPE / Walnut shell composites	Rajesh Anawal, Mrityunjay Doddamani	National Institute of Technology Karnataka, Surathkal, India
		Tensile characteristics of HDPE / Walnut shell composites	S.V. Gorabal	Jain College of Engineering and Research, Udyambag, Belagavi, Karnataka, India
41.	MS 4045	Use of TiO ₂ for removing emerging contaminant in water – Amoxicillin as a case study	P Chinnaiyan, S G Thampi,	NIT Calicut, Kozhikode, India – 673601
			Bharathkrishnaa AC, Malavika Sasi	Amrita School of Engineering, Coimbatore, Amrita Vishwa Vidyapeetham (University), India
42.	MS 4046	Methyl red/ polycarbazole composites: Humidity sensing characteristics and its adsorption kinetics study	Madhurima Das	CSIR-Central Glass and Ceramic research Institute, 196, Raja S.C. Mullick Road, Kolkata-700032, India.
		Methyl red/ polycarbazole composites: Humidity sensing characteristics and its adsorption kinetics study	Somenath Roy	CSIR-Central Glass and Ceramic research Institute, Khurja Centre, G.T. Road, Khurja - 203 131, India.
43.	MS 4051	Identification of Unhealthy Region of Plant Leaves and its Classification Using Naive Bayes	K Mohanapriya M Balasubramani	Vivekananda College of Engineering for Women, Namakkal, India.

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44.	MS 4068	Experimental study on mechanical properties of modified concrete prepared with M-sand, Silica fume and Steel fiber	S Yeshwanthi Roy, K Thiagarajan, N Umamaheswari	SRM Institute of Science and Technology, Kattankulathur - 603203, Tamilnadu, INDIA

ICMSMT

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ICMSMT invites full length original research contributions from science, engineering professionals from industries, R&D organisations, academic institutions, government departments and research scholars from across the world. Full length original research contributions and review articles not exceeding twelve pages as per the IOP single column format shall be submitted. Extra page charge is applicable for the manuscripts with more than twelve pages. The manuscript template shall be found in the downloads section. The manuscript should contribute original research ideas, developmental ideas, analysis, findings, results, etc. The manuscript should not have been published in any journals/ magazines or conference proceedings and not under review in any of them. Further the manuscript should contain the name of the corresponding author with e-mail id and affiliation of all authors. Soft copy of the full length manuscripts (in .doc and .pdf) shall be submitted to ICMSMT office as per the submission guidelines.

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Advanced materials//Biomaterials//Composite materials//Polymer science//Renewable materials//Functional materials//Nano materials//Building materials//Chemical materials//3D materials//Cryogenic materials//Energy storage and conversion materials//Smart / Intelligent materials / Intelligent systems//Optical / Electronic / Magnetic materials//

Aerodynamics Manufacturing systems and simulation Machine design & Machinery dynamics Nanotechnology Mechanical dynamics and vibration Mechanical strength & Design Casting technology and equipment Welding technology and equipment Plastic processing technology Cellular manufacturing Advanced manufacturing processes Laser processing & Automation Industrial automation and process control Intelligent controllers Automation, control and information technology Magnetic materials and smart materials for specific applications MEMS and structural control Active materials in MEMS applications Materials property and characterisation Thin film technology Virtual instrumentation in automation Machine vision system Industrial robots and automation Controllers and distributed control system Embedded system Sensors for automation Vibration engineering

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