



**VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY**

(AUTONOMOUS)  
Erode, Tamilnadu, INDIA



**Department of Mechanical Engineering**

2022 Fourth International Conference on

**Recent Advances in Materials and Manufacturing**

**ICRAMM 2022**

08 - 09, December 2022 Erode, Tamilnadu, India

**List of Best Papers**

Session	Paper ID	Paper Title	Authors Name
CE01	RAMM 2092	Prediction of 28 Days Strength of Ternary Blended recycled aggregate concrete by accelerated curing method	Kadari Abhishek, P. Suresh Chandra Babu
CE02	RAMM 4030	Fly-Ash and GGBS Based Geo-Polymer Concrete with Granite Powder as Partial Replacement of M-Sand for Sustainability	B.G. Vishnuram, P. Muthupriya, A. Dhanalakshmi, A. Leema Margret
	RAMM 4067	Effect of Spent Bleaching Earth Ash on Sulphate Attack Resistance of Concrete	Raihana Farahiyah Abd. Rahman, Hidayati Asrah, Ahmad Nurfaidhi Rizalman, Abdul Karim Mirasa
CH01	RAMM 2089	Effect of graphene oxide particle as nanomaterial in the production of engineered cementitious composites including superplasticizer, fly ash, and polyvinyl alcohol fiber	Naraindas Bheel, Montasir Osman Ahmed Ali, Mehmet Serkan Kirgiz, Nasir Shafiq, Ravindran Gobinath
CHE01	RAMM 3070	First-Row Transition-Metal Hybrid Oxide Nanoparticles (MFe <sub>2</sub> O <sub>4</sub> ) as UV-Fenton-like Catalysts for Rhodamine B Treatment: A Comparative Study	Trung Dang-Bao, Thien-An Tran, Hoa-Hung Lam
ME01	RAMM 2013	Thermal and Flow Performance in a CLPHP with Al <sub>2</sub> O <sub>3</sub> /Copper Nanofluids: Application in Microelectronics and Power Generation	P. Venkataramana, P. Vijaya Kumar, B. Bala Krishna
ME02	RAMM 2056	Multi-Performance characteristics optimization in near-dry rotary EDM of AlSiC by weighted principal component analysis	P. M. Gaigole, Rajiv B



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ME03	RAMM 3082	Mechanical characterization of low temperature thermomechanical treated AA6061-silica sand composites	Ramakrishna Vikas Sadanand, Sathyashankara Sharma, P. R. Prabhu
PH01	RAMM 1088	Electrical Characteristics of Mg Doped GeO <sub>2</sub> NWs Based Device	Ankita Choudhury, Arka Dey, Aniruddha Mondal
ACA01	RAMM 1028	A Green Realistic Inventory Model with Preservation Technology for Deteriorating Items under Carbon Emission	Naeem Ahmad, Isha Sangal, Kanchan Sharma, Mahesh Kumar Jaysawal, Santosh Kumar, Khursheed Alam
CE03	RAMM 5002	Comparative study on load carrying capacities of castellated beams provided with mild steel and CFRP stiffeners	P. D. Kumbhar, A. M. Jamadar
EE01	RAMM 2044	Effect of Temperature Variations on the Linearity parameters of Graded Channel Nanotube Field Effect Transistor	Ashima Rai, D. Vaithyanathan, Balwinder Raj
ME04	RAMM 4080	Investigation of Shear Properties of Axial Flow Fan Blade material with Partial Woven Jute Reinforcements	Venkata Sushma Chinta, P Ravinder Reddy, Koorapati Eshwar Prasad
ME05	RAMM 5031	Feasibility study of AZ31B deposition made by novel Powder Bed Friction Stir process with optimal process parameters and tool features selection	Prabhakar Kr. Singh, Akash Mukhopadhyay, Mayank Verma, Probir Saha
	RAMM 5034	Modelling and Fabrication of Synthetic-Natural Fibre Sandwich Structure for Fish Feeder Hull	Syed Mudassir, Mithun Vinayaka Kulkarni, Sivamani S.



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ME06	RAMM 5095	Microstructural characterization and mechanical properties of an electron beam welded Low Carbon NiCrMo Low Alloy Steel	Vijaya L. Manugula, V.Lavanya, Y.Pardhu
PH02	RAMM 3089	Thermal dependence of soft mode frequency, Dielectric constant, and Tangent loss in Lead Hydrogen Phosphate (LHP) crystal	Nitin Bahuguna, Kuldeep kumar, Trilok Chandra Upadhyay
PH03	RAMM 5047	Investigation of Micro-Structural and Transport Properties of $Cd_xCu_{1-x}S$ Thin Films Prepared by SPT	Vandana Rathore, Ramakant Bhardwaj