

Fourth International Conference on
Materials Science and Manufacturing Technology (ICMSMT 2022)

08 - 09, APRIL 2022 | Coimbatore, India | www.icmsmt.com

Program Schedule

Date	Time	Event
08.04.2022	10.00 am to 10.20 am	Inaugural Function
08.04.2022	10.20 am	<p style="text-align: center;">Keynote Speech Dr. S. Shamsath Begum, B.S.Abdur Rahman Crescent Institute of Science & Technology Vandalur, Chennai – 600048 Google Meet link: meet.google.com/hjz-ibzs-goy</p>
08.04.2022	11.00 am to 04. 40 pm	Session 01: ME01(online)
		Session 02: ME02(online)
		Session 03: PH01(online)
		Session 04: PH02(online)
		Session 05: CE01(online)
		Session 06 : CH01(online)
		Session 07: IC01(online)
09.04.2022	10.30 am to 04.30 pm	Session 08: ME03(online)
		Session 09: ME04(online)
		Session 10: PH03(online)
		Session 11: CE02(online)
		Session 12: CH02(online)
		Session 13: IC02(online)
09.04.2022	04.30 pm	Valedictory function

ME – Mechanical Engineering

IC – Information & Communication Engg.

PH - Applied Physics

CE - Civil Engineering

CH - Applied Chemistry

Note:

1. Start time given above indicates Indian Standard Time (IST).
2. Presentation will be conducted using Google Meet.
3. Participants can join their respective sessions by clicking the meet link given
4. Mode of presentation should be powerpoint presentation(ppt or pptx)
5. Duration of presentation: 10 minutes (presentation) + 5 minutes (Queries)
6. Participant using Google Meet will be admitted at any time prior to their scheduled time.
7. Participant using Google Meet SHOULD join the session at least 45 minutes prior to their scheduled time.
8. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
9. Participants are requested to contact the respective session Chairs/coordinators for presentation related queries.

Session 01: ME01

Date: 08.04.2022

Time: 11.00 am to 04.40 pm

Session Chair : Dr. P. Senthilkumar**Session Chair Contact Number** : +91 98944 06737**Google Meet ID** : <https://meet.google.com/hpc-hojz-dzm>

Time	Paper ID	Paper Title
11.00 am	MS 2016	Selection of aircraft materials and air conditioning technologies: A review
11.20 am	MS 2024	Transient thermal and structural analysis of Indian two-wheeler disc brakes
11.40 am	MS 2029	Design of Hydraulic Biomass Briquette Machine
12.00 noon	MS 2031	Analysis of discontinuity stress at shell and elliptical head juncture using theory of beam on elastic foundation
12.20 pm	MS 2037	Numerical Analysis of Surface Integrity in Parallel Turning Process Part II: Influence of Cutting Tool Rake Angle
12.40 pm	MS 2038	Finite Element Analysis of Stress-Strain Concentration and Risk of Pathological Fracture in Ameloblastoma of Mandible
02.00 pm	MS 2040	Optimization and S-N life cycle analysis of helical gear with nickel alloy MP35N
02.20 pm	MS 2057	Effect of additional heating on corrosion of dissimilar friction stir welded aluminum alloys
02.40 pm	MS 2068	Manufacturing Process Planning in Aerospace Systems
03.00 pm	MS 2074	Study of Effect of Weight variation on Shape and Material Allocation on Heterogeneous NURBS Surface and Hyperpatch
03.20 pm	MS 2077	Surface roughness prediction of AISI 304 steel in nano fluid assisted turning using machine learning technique
03.40 pm	MS 2081	Recovery of hydro turbines: from welding to additive manufacturing
04.00 pm	MS 2083	Study of Distribution of Magnetic Field Strength in Magnetorheological Elastomers using Artificial Neural Network
04.20 pm	MS 2098	Creep Analysis of Thick Walled Cylinder under Constant Internal Pressure

Session 02: ME02

Date: 08.04.2022

Time: 11.00 am to 04.40 pm

Session Chair: Dr. L. Rajesh Kumar, KPR Institute of Engineering & TechnologySession Coordinator: **Prof. J. Sevugan Rajesh**Session Coordinator Contact Number: **+91 88837 82533****Google Meet ID:** <https://meet.google.com/oad-ohvt-qhn>

Time	Paper ID	Paper Title
11.00 am	MS 3007	Effect of Zn, Mg and heat treatment on Al base alloy on hardness using Taguchi Technique
11.20 am	MS 3021	Investigating the effect of producer gas in pipelines of downdraft gasifier
11.40 am	MS 3023	Machinability Studies on Hybrid Aluminum Metal Matrix Composites
12.00 noon	MS 3053	Machining of high temperature heat resistant super alloys-a concise review on cooling aspects
12.20 pm	MS 3054	Investigation on mechanical properties of regular and engineered fiber built up polymer composites
12.40 pm	MS 3059	Modelling of Surface Roughness effect on the Dry Turning of Duplex Stainless Steels
02.00 pm	MS 3060	A Model for Residual Stress in the Dry Turning of Duplex Stainless Steels
02.20 pm	MS 3070	Numerical Investigation on Vortex-Induced Vibration over Circular Cylinder to be used for Energy Harvesting Application
02.40 pm	MS 3073	Telescopic Handlers: Applications, Challenges and Scope
03.00 pm	MS 3082	Atomistic Modelling of Corrosion at the Interface of Metals and its surroundings: A review
03.20 pm	MS 3083	A State of Art Review on Grass Fibre Reinforced Polymer Composite
03.40 pm	MS 3088	Crack Identification and Trajectory Planning for Automatic Gas Metal Arc Welding
04.00 pm	MS 3090	Evaluation of Tensile and Flexural Properties of Unidirectional Glass-Epoxy Laminate with Aluminium oxide and Magnesium Hydroxide as Filler Materials
04.20 pm	MS 3097	CFD modeling of waste heat recovery system to dry sand mold at G-7 Trading & Industry PLC, Ethiopia

Session 03: PH01

Date: 08.04.2022

Time: 11.00 am to 04.00 pm

Session Chair: Dr. P. Sakthivel, Dr. N.G.P Institute of Technology, CoimbatoreSession Coordinator : **Prof. K. Sivakumar**Session Coordinator Contact Number: **+91 97894 89103****Google Meet ID** : meet.google.com/hjz-ibzs-goy

Time	Paper ID	Paper Title
11.00 am	MS 2032	Thermo-physical Stability of Liquid K-Pb alloy at Different Temperatures
11.20 am	MS 2049	Spray Pyrolyzed Praseodymium doped SnO ₂ Thin Film with Fast Response to LPG: Analysis based on microstructural features
11.40 am	MS 2060	Optical and electrical characterization of polymer dispersed nematic liquid crystals
12.00 noon	MS 2075	Brain Network Analysis using Burning Number of a Graph
12.20 pm	MS 2078	Recent development in electron transport layers for efficient tin-based perovskite solar cells
12.40 pm	MS 2082	Effect of Pressure in Magnetic Transition of BiMnO ₃ manganites system
02.00 pm	MS 2097	Effect of annealing temperature on supercapacitive behaviour of manganese dioxide (MnO ₂) thin-film prepared by electrodeposition technique and characterization
02.20 pm	MS 3003	Electrical response of Ba _{0.7} Ca _{0.3} TiO ₃ -BaZr _{0.2} Ti _{0.8} O ₃ solid solution
02.40 pm	MS 3014	Effective Complex Permittivity of Random Composite Media: PVDF/(Na _{1/2} Bi _{1/2})TiO ₃
03.00 pm	MS 3015	Equilibrium molecular dynamics simulation for investigation on the enhancement of thermal conductivity in ethylene glycol-based ZnO nanofluid
03.20 pm	MS 3029	Structural evolution of single-walled carbon nanotubes: Molecular dynamics simulation
03.40 pm	MS 3044	A comparative study of structural properties of γ -MnO ₂ using hydrothermal and green synthesis method using fresh leaf extract of Mangifera Indica linn
04.00 pm	MS 3041	Machine learning-based Linear regression model for COVID-19 prediction
04.20pm	MS 5021	M/M/1 Retrial Queuing Model with Feedback Using Matrix Geometric Approach

Session 04: PH02

Date: 08.04.2022

Time: 11.00 am to 04.00 pm

Session Chair: Dr. Girija K, Dr. NGP Arts and Science College, Coimbatore**Session Coordinator:** Mr. Chandhru. A**Session Chair Contact Number:** +91 9659574345**Google Meet ID:** <https://meet.google.com/vmt-xhit-fmi>

Time	Paper ID	Paper Title
11.00 am	MS 3061	Theoretical Analysis of the Thermodynamic, Structural, Surface and Transport Properties of PbSn Liquid Alloys at 1050 K
11.20 am	MS 3062	Intensity Dependent Transient Response of Amorphous Photodiode and Solar Cell
11.40 am	MS 3063	Electronic transport properties of atomic wires on monolayers
12.00 noon	MS 3072	Study of thermoelectric properties of nickel germano-silicides obtained on the basis of bulk solid solutions of silicon-germanium
12.20 pm	MS 3077	Spectroscopic Analysis of The Thermoluminescence Glow Curve of $\text{CaSO}_4:\text{Dy}$ Phosphor by Simplified General One Trap Differential Equation
12.40 pm	MS 3080	Analog Performance Analysis of a Novel 5nm Stacked Oxide Top Bottom Gated Junctionless FinFET
02.00 pm	MS 3084	Effect of next to next-nearest-neighbor (NNNN) hopping interaction on valence transition and study of the thermodynamic properties
02.20 pm	MS 3093	Single Step Electrosynthesis of Co-Ferrite Thin Films from Alkaline Non-Aqueous Bath
02.40 pm	MS 3098	Aromatic element rings as Single walled carbon nanotubes Structure
03.00 pm	MS 4029	Effect of Molarity Variation on Structural, Morphological and Optical properties of ZnO Thin film deposited via Spray Pyrolysis Technique
03.20 pm	MS 4034	Structural and electric properties of Ba-Fe-Ta-Na-Bi-Ti-O ceramic system
03.40 pm	MS 4044	Structural and electrical properties of bismuth sodium titanate ceramic
04.00 pm	MS 2041	Spectrophotometric Measurement of Glucose
04.20 pm	MS 5057	The effect of helicity and Dzyaloshinsky-Moriya interaction on soliton spin excitations in an anisotropic helimagnet

Session 05: CE01

Date: 08.04.2022

Time: 11.00 am to 04.20 pm

Session Chair: **Prof. S. Shamsul Hudha**Session Chair Contact Number: **+91 98948 31088**Google Meet ID: <http://meet.google.com/zdp-qwnu-pmb>

Time	Paper ID	Paper Title
11.00 am	MS 2013	Measurement of Durability Properties of Binary and Ternary Mortars Containing Supplementary Cementitious Materials
11.20 am	MS 2014	Development of a Binary, Ternary and Quaternary Concrete considering supplementary cementitious materials – A Systematic Review
11.40 am	MS 2023	A Study on the Durability Properties of Geopolymer Concrete
12.00 noon	MS 2035	Numerical Investigation of the Effects of Opening on the Strength of Masonry Wall
12.20 pm	MS 2043	Seashells to Lime: Swotting of a vernacular method and needs for revival
12.40 pm	MS 2090	Modeling Chloride Ion Penetration of Supplementary Cementitious Concrete With Diverse Water Binder Ratio
02.00 pm	MS 3047	Taguchi Analysis of Fundamental Frequency for Simply Supported Laminated Composite Stiffened Hypar Shells with Cut-out
02.20 pm	MS 3055	Investigation of Mechanical Properties of High Performance Concrete using Industrial Waste with Well Graded Aggregates
02.40 pm	MS 3056	Fly-Ash and GGBS Based Geo-Polymer Concrete with Granite Powder as Partial Replacement of M-Sand for Sustainability
03.00 pm	MS 3086	Experimental Studies on Geopolymer Concrete
03.20 pm	MS 3087	Coal Ash and Rice Husk Ash Binder for Manufacturing Hollow Blocks
03.40 pm	MS 5013	A scientific study and analysis on single slope single basin solar still with zeolite crystals as storage materials
04.00 pm	MS 3079	A Review on Barrier Properties of Nanocellulose and Polylactic Acid Composites

Session 06: CH01

Date: 08.04.2022

Time: 11.00 am to 04.20 pm

Session Chair: Dr. M. Tukarambai, Andhra UniversitySession Coordinator: **Prof. P. Balaji**Session Coordinator Contact Number: +91 **75388 81883****Google Meet ID:** <https://meet.google.com/bev-xuxt-jat>

Time	Paper ID	Paper Title
11.00 am	MS 2034	Synthesis, Characterization and Phosphate Adsorption Studies Of Nano Mesoporous Lanthana
11.20 am	MS 2045	Evaluation of Pongamia Pinnata seed extract for management of Oral lichen Planus- An In-silico and In-vitro approach
11.40 am	MS 2047	A Novel Approach for Proximate Analysis of Soil Corrosion Condition in Imadol-Sanagaun and Kantipur Colony Areas of Nepal
12.00 noon	MS 2056	Microwave Assisted Green Synthesis and Characterisation of Silver Nanoparticles Using Pomelo(Citrus Maxima) Fruit Extract
12.20 pm	MS 2067	Investigation of the effect of heating PtCu/C catalysts by in-situ TEM
12.40 pm	MS 2069	A Review on Biodiesel Production from Various Feedstocks by Transesterification
02.00 pm	MS 2070	First-Row Transition-Metal Hybrid Oxide Nanoparticles (MFe ₂ O ₄) as UV-Fenton-like Catalysts for Rhodamine B Treatment:A Comparative Study
02.20 pm	MS 2086	Corn-cob-Derived Nanocellulose-Supported Palladium Nanoparticles towards Catalytic Reduction of 4-Nitrophenol
02.40 pm	MS 2096	Influence of Caprolactam on the Tin Electrodeposition on A Dispersed Carbon Support And Preparation Of Pt/(SnO ₂ /C) Catalysts
03.00 pm	MS 3009	Poly(Acrylic Acid)-Graft-Biopolymer towards Ammonium Adsorption:A Comparative Study on Chitosan and Cellulose
03.20 pm	MS 3024	A Green Protocol for Fused Tricyclic Oxa-Aza-Quinoline With Sodium Aluminate (NaAlO ₂) Supported and Zinc Catalyzed Highly Effective Suzuki–Miyaura Cross-Coupling Reaction Under Microwave Irradiation
03.40 pm	MS 3028	Synthesis and physical characterization of isothiocyanate poly(methyl eugenol) and thiosemicarbazide poly(methyl eugenol)
04.00 pm	MS 3049	Development of chilli sauce incorporated with fermented Kappaphycus spp. Extracts
04.20 pm	MS 5056	Development of astaxanthin gummy bear supplements and its antioxidant and antiproliferative potential against skin melanoma cells

Session 07: IC01

Date: 08.04.2022

Time: 11.00 am to 05.00 pm

Session Chair: **Dr. Charan Panem Arur**Session Chair Contact Number: **+91 9049454632**Google Meet ID: <http://meet.google.com/emt-vuri-rkm>

Time	Paper ID	Paper Title
11.00 am	MS 2066	Design of digital meters for industries using Data Acquisition System
11.20 am	MS 2072	ECG Heartbeat Classification Using Neural Network
11.40 am	MS 2076	Suppress short channel effects on split channel-Cylindrical GAA TFET using buried oxide layer
12.00 noon	MS 2085	A Comprehensive review on the current trends in Micro-Phasor Measurement Units
12.20 pm	MS 3034	Video Captioning Model With Confiner
12.40 pm	MS 3076	Performance analysis of a perturbed circular DRA for different dielectric materials
02.00 pm	MS 4007	An Overview Of Load Frequency Control For Grid Using Various Control Techniques
02.20 pm	MS 4011	Hybrid Multi-Level Source Inverter design and validation in Solar Photovoltaic Renewable Energy System
02.40 pm	MS 4046	PV Powered Neural Network Based SEPIC Converter Fed BLDC for Consumer Application
03.00 pm	MS 4075	Smart helmet to start the motorbike and to prevent accidents
03.20 pm	MS 4089	Integrated Complex-Ratio-Measuring Circuits and Coaxial Probe in Diagnosis of Breast Tumors
03.40 pm	MS 4091	Bending Assessment and On-body Investigation of a Textile-Based Antenna for Body Wireless Communication
04.00 pm	MS 5001	Dual Threshold Voltage Pseudo Domino Logic-Based Buffer with Reduced Power
04.20 pm	MS 5040	Design And Implementation of Bridgeless AC/DC PFC SEPIC Converter with Valley-Fill Circuit
04.40 pm	MS 5045	Real and Reactive Power Injection for Single Phase System by using Multi-Level Transformer less PV inverter

Session 08: ME03

Date: 09.04.2022

Time: 10.30 am to 04.30 pm

Session Chair : Dr. P. Senthilkumar**Session Chair Contact Number** : +91 98944 06737**Google Meet ID** : <https://meet.google.com/hpc-hojz-dzm>

Time	Paper ID	Paper Title
10.30 am	MS 4008	Design and Fabrication of Multi Nut Operating System
10.50 am	MS 4022	Submerged Friction Stir Back Extrusion of AZ31 Magnesium Alloy
11.10 am	MS 4028	Effect of outrigger-belt truss system on the storey drift and maximum displacement of high-rise building
11.30 am	MS 4039	Investigations on fracture characteristics of Aluminium 6082-T6 alloy by Using Single Edge Notch Bending
11.50 am	MS 4049	A Framework Towards Realization of Smart Manufacturing Systems
12.10 pm	MS 4053	Influence of Nanofluids on the Heat Transfer Enhancement by Axisymmetric Jet Impingement using CFD
12.30 pm	MS 4054	Mathematical Modelling for Prediction of Penetration Depth of HSLA steel Welds using Response Surface Methodology
02.00 pm	MS 4059	Influence of Mg content on the metallurgical, hardness and tensile behaviour of Zn-Al-Si-Mg Alloy in the as-cast condition
02.20 pm	MS 4060	Comparative study of Cu-6Sn processed by casting and powder metallurgy with microwave and conventional assisted sintering
02.40 pm	MS 4069	Experimental and analytical investigation into Cutting forces during turning of EN-31 Steel in different machining conditions
03.00 pm	MS 4078	Microstructure and Mechanical Behavior of Chromium Oxide reinforced LM26 Based Metal Matrix Composites
03.20 pm	MS 4079	Wear optimization of Aluminium and Hybrid Reinforcement Metal Matrix composites using Response Surface Methodology
03.40 pm	MS 4081	Optomechanical design and analysis of lens assembly for space application
04.00 pm	MS 4004	A Comprehensive Network Security Management in Virtual Private Network Environment
04.20 pm	MS 5060	Influence of Income on the Musculoskeletal Disorder Prevalence of the Video Display Terminal (VDT) Users

Session 09: ME04

Date: 09.04.2022

Time: 10.30 am to 04.30 pm

Session Chair: Dr. C V Adake, Dept. of Mechanical Engineering, KLE Dr. MSS CET, Belagavi

Session Coordinator: **Prof. J. Sevugan Rajesh**Session Chair Contact Number: **+91 88837 82533**Google Meet ID: <https://meet.google.com/load-ohvt-qhn>

Time	Paper ID	Paper Title
10.30 am	MS 4082	Survey and Analysis long term deflection of cantilever bridge in Vietnam
10.50 am	MS 4086	Review on Corrosion studies of Heat Treated Al-Si Alloy
11.10 am	MS 5006	Investigation of surface roughness in multi point incremental sheet metal forming
11.30 am	MS 5015	Mechanical And Metallurgical Characteristics Of Rotary Friction Welded Unsymmetrical Joints Of Medium Carbon Steels
11.50 am	MS 5016	Multi-Objective Optimization of Metal Removal Rate, Dimensional and Profile Accuracy during Drilling of ASTM A516 (Grade70) Steel
12.10 pm	MS 5047	Comparative Analysis of Stationary and Rotary electrode on Dry EDM in Machining of Hastelloy C276
12.30 pm	MS 5054	Prevention of catastrophic failure of Magnesium hull structure by Green Inhibitors
02.00 pm	MS 5055	Experimental investigations to examine the performance of nanoparticle dispersions in bio-degradable cutting fluids in CNC machining
02.20 pm	MS 5058	Analysis of thermal fields, weld strength and microstructural studies of friction stir dissimilar weldments of AA6082 and AA7075
02.40 pm	MS 5059	Numerical Study on Hybrid GFRP/Steel RC Slab Sandwich System Subjected To Monotonic Loading
03.00 pm	MS 5061	A Review on classification of trains for evaluate the railway network capacity of various speed trains
03.20 pm	MS 5067	Study on Performance of Ramjet Intake by Changing the Cowl Angle
03.40 pm	MS 5071	Microstructural and mechanical properties of dissimilar aluminium alloys by friction stir welding
04.00 pm	MS 5070	Fabrication of AA7050 hybrid composite reinforced with nano Al ₂ O ₃ /micro ZrO ₂ particles by stir casting method and study of mechanical and tribological properties
04.20 pm	MS 5084	Indigenous production of porous 316L through powder metallurgy and investigation of their mechanical property

Session 10: PH03

Date: 09.04.2022

Time: 10.30 am to 04.20 pm

Session Chair: Dr. H. Shankar, KPR Institute of Engineering & Technology**Session Coordinator:** Prof P. Balaji**Session Coordinator Contact Number:** +91 75388 81883**Google Meet ID:** <https://meet.google.com/bev-xuxt-jat>

Time	Paper ID	Paper Title
10.30 am	MS 4051	Effect of ZnO on Structural, Physical and Optical Properties of Heavy Metal Oxide Doped Tellurite Glasses
10.50 am	MS 4072	Preparation and Study the Structural Properties for Compound $Tl_{0.9}Hg_{0.1}Sr_2Ca_2Cu_3O_{8+d}$ Using the Modified Scherer Equation
11.10 am	MS 4080	Synthesis, structural and optical properties of colloidal 2D organometal halide $(C_{12}H_{25}-NH_3)_2PbI_4$ nanoparticles
11.30 am	MS 4092	Optical, Structural and Ethanol Sensing Properties of Spin- Coated ZnO Film
11.50 am	MS 4096	A review on electrochemical anodization of titanium oxide nanotubes for water splitting (hydrogen generation) using photo electrochemical cells
12.10 pm	MS 5007	A review on electrical transport properties of thin film Schottky diode
12.30 pm	MS 5008	Template assisted synthesis of nickel oxide nanoparticles for photocatalytic applications
02.00 pm	MS 5039	In Situ Gas Analysis of ECR PECVD system towards Graphene Growth
02.20 pm	MS 5073	Superconducting Properties of Ta Substituted $(Tl_{1-x}Ta_x)(BaSr)CaCu_2O_7$
02.40 pm	MS 5098	Synthesis and characterization of thermally treated $Co_{1-x}Fe_xO_4$ ($x = 0.0 - 0.8$) spinel nano ferrite
03.00 pm	MS 6001	Design and Analysis of a cross core octagonal shaped highly birefringent photonic crystal fiber
03.20 pm	MS 3045	A Review of The Synthesis, Performance, and Mechanism of Strontium based Mechanoluminescence Material
03.40 pm	MS 3046	Mechanoluminescence Sensor - An Exhaustive Review
04.00 pm	MS 5086	Multi-Class Classification of Prostate Cancer MR Images based on UCLA Score using EfficientNet Models

Session 11: CE02

Date: 09.04.2022

Time: 10.30 am to 04.20 pm

Session Chair: Prof. S. Shamsul Hudha**Session Chair Contact Number:** +91 98948 31088**Google Meet ID:** <http://meet.google.com/zdp-qwnu-pmb>

Time	Paper ID	Paper Title
10.30 am	MS 3099	A Review on Relative Linear and Nonlinear Strains Performances of Laminated Composite Shell Roofs
10.50 am	MS 4030	Numerical Investigation on Steel Beam-Concrete Column Composite End- plate connection
11.10 am	MS 4041	Flexural Behaviors of Modified Recycled Aggregate Concrete Reinforced with Pultruded GFRP
11.30 am	MS 4042	Density, Hardness, and Wear responses of Rice Husk Ash reinforced Aluminium Composites
11.50 am	MS 4047	A Review on the Corrosion Characteristics and Mechanisms in Metal Matrix Composites
12.10 pm	MS 4055	Feasibility Study Of Pervious Concrete Containing Recycled Aggregate
12.30 pm	MS 5017	Evaluating Durability Aspects Of Geopolymer Concrete Vs Ordinary Portland Concrete
02.00 pm	MS 5018	Enhancement of the Fresh Property of Fly Ash/Slag Based Self-Compacting Geopolymer Concrete by Incorporating Steel Fiber Cured in Ambient Condition
02.20 pm	MS 5038	Modelling Approach to Develop a Multimodal Transportation Network
02.40 pm	MS 5095	A Critical Review on the application of coal Bottom Ash in concrete: An Indian Prospective
03.00 pm	MS 5099	Numerical Investigation on Strengthening of Brick Masonry Wall Using Mortar Joint Technique
03.20 pm	MS 2051	Investigation on Corrosion behaviour of geopolymer concrete using DMS and M-Sand as a fine aggregate under ambient curing conditions
03.40 pm	MS 2052	An Experimental Investigation on Strength Properties and Flexural Behaviour of Ternary Blended Concrete
04.00 pm	MS 5034	Utilization of Different Fibers in Road Construction of Stone Matrix Asphalt Pavements: A State of Art

Session 12: CH02

Date: 09.04.2022

Time: 10.30 am to 04.20 pm

Session Chair: Dr. Umesh B. Deshannavar, Professor & Dean (A&E), KLE Dr. MSS CET.**Session Coordinator:** Mr. Chandhru. A**Session Chair Contact Number:** +91 9659574345**Google Meet ID:** <https://meet.google.com/vmt-xhit-fmi>

Time	Paper ID	Paper Title
10.30 am	MS 3050	Enhancement of phenolics extraction from <i>Kappaphycus</i> spp. by using solid-state fermentation
10.50 am	MS 3066	Synthesis of Poly(vinyl) Alcohol-Cellulose Nanocrystal Hybrid Aerogel
11.10 am	MS 3095	Predicting Melt-Crystal Interface Position and Shape during the Manufacturing Process of Single Crystal via Explainable Machine Learning Models
11.30 am	MS 4015	Shear Thickening Fluids, Nano-polymer Materials and their Application methods for Textile substrates
11.50 am	MS 4020	Effect of Diethylenetriamine on Mechanical and Electrical Properties of Epoxidized Natural Rubber Thin Films
12.10 pm	MS 4038	Noble metal nanoparticles dispersed on nanocellulose: a green platform for catalytic organic transformations
12.30 pm	MS 4085	Study of Different Parameters of Mixing on Biogas Production from Food Waste
02.00 pm	MS 4095	Effects of Rutin in <i>Myristica fragrans</i> against <i>Escherichia coli</i> and <i>Bacillus subtilis</i>
02.20 pm	MS 5010	Antimicrobial Biodegradable Polymeric Materials for Food Packaging Applications: Current Status and Future Directions
02.40 pm	MS 5012	Solvent Effects On The UV-Visible Absorption & Emission of tris[4-(diethylamino)phenyl]amine
03.00 pm	MS 5027	Iron nanoparticles Synthesis and its Characterisation
03.20 pm	MS 5049	Acacia nilotica as Corrosion Inhibitor for mild steel in sulphuric acid medium
03.40 pm	MS 4019	Synthesis Characterization And Luminescence Properties of B2bimg2v3o12 Based Phosphors With Rare Earth Activated Dy3+ Phosphor For Solid State Lighting
04.00 pm	MS 5074	Mass Transfer Study of Phenolic Compound Liquid-Liquid Extraction Process from Bio-Oil of Coffee Shell Pyrolysis Product

Session 13: IC02

Date: 09.04.2022

Time: 10.30 am to 04.30 pm

Session Chair: **Dr. Charan Panem Arur**Session Chair Contact Number: **+91 9049454632**Google Meet ID: <http://meet.google.com/emt-vuri-rkm>

Time	Paper ID	Paper Title
10.30 am	MS 2071	Tversky Similarity based Deep Neural Learning Classification for Engineering Alloys
10.50 am	MS 3019	A Analysis of Software-Defined Wide-Area Networking
11.10 am	MS 3030	A Cache Content Placement Policy for Named Data Network (NDN) - an ICN Architecture
11.30 am	MS 3065	A study on Big Data as a Service: Advantages, Market trend and Challenges
11.50 am	MS 3089	IoT based smart healthcare wearable
12.10 pm	MS 4005	Data Cleansing Framework To Enhance Quality of Multimedia Data
12.30 pm	MS 4033	Channel Estimation Technique for 5G Wireless Communication Systems With Suitable Candidate Waveforms
02.00 pm	MS 4036	CLCLP: Overlapping Community Detection In Networks Using A Combination Of Link Community And Label Propagation Algorithm
02.20 pm	MS 4062	IoT Based Guided Firefighting Vehicle
02.40 pm	MS 5011	IoT-Based Health Monitoring System for Pregnant Women and Children
03.00 pm	MS 5031	Novel Investigation of Tungsten Material-based Microstrip Patch Antenna for Sustainable Development and the Environment
03.20 pm	MS 5044	Case Study on Electric Vehicle Charging Stations with Smart Metering Infrastructure for Improving Performance
03.40 pm	MS 5063	Accurate and High Speed Garbage Detection and Collection Technique using Neural Network and Machine Learning
04.00 am	MS 5072	Development Of Decision Based Filtering Algorithm For Removing Impulse Noise In Digital Images
04.20 am	MS 5085	Spoof News Detection- A Hybridization of ANN And MLP Based Learning Approach