

**2024 Fifth International Conference on
Advances in Physical Sciences and Materials (ICAPSM 2024)**

29 - 30, AUGUST 2024 | Coimbatore, India

Program Schedule

Date	Time	Event
29.08.2024	10.30 am to 11.15 am	Inaugural Function
	11.35 am to 12.10 pm	Keynote Address #1: Dr. M. Seenivasan Associate Professor & Deputy Director - CDOE, Department of Mathematics Annamalai University, Chidambaram
	01.30 pm to 04.00 pm	Session 01: ICAPSM_PHY01 (Offline)
		Session 02: ICAPSM_PHY02 (Offline)
		Session 03: ACH01(Online)
		Session 04: CE01(Online)
		Session 05: CSE01(Online)
		Session 06: MA01(Online)
		Session 07: ME01(Online)
		Session 08: PH01(Online)
Session 09: PH02(Online)		
30.08.2024	10.10 am to 12.40 pm	Session 10: CSE02(Online)
		Session 11: EC01(Online)
		Session 12: EE01(Online)
		Session 13: MA02(Online)
		Session 14: MA03(Online)
		Session 15: PH03(Online)
		Session 16: ACM01(Online)

- CE - Civil Engineering
- ME - Mechanical Engineering
- EC - Electronics & Communication Engineering
- PH - Applied Physics
- ACH - Applied Chemistry
- MA - Applied Mathematics
- CS - Computer Science & Engineering
- EE - Electrical Engineering
- ACM - Applied Chemistry & Mechanical Engineering

Note:

1. Start time given above indicates Indian Standard Time (IST).
2. Presentation will be conducted using Google meet platform.
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 SHOULD join the session at least 30 minutes prior to their scheduled time.
7. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
8. Participants are requested to contact the respective session coordinators for presentation related queries.
9. If any problem connecting to session, please text to the respective session In-Charges (Or) ICAPSM Whatsapp group during presentation date(s).

Session 1: ICAPSM_PHY01

Date: 29.08.2024

Time: 01.30 am to 03.45 pm

Session Chair(s) :

1. *Dr. P. S. Somasundaram, HOD/Mechanical*
2. *Dr. Paramasivam HOD/MBA.*
3. *Dr. M. Srinivasan, Professor/EEE*
4. *S. Vadivel, LT/ECE*

Time	Paper ID	Paper Title
01.30 pm	PSM 2008	Smart Home Energy Management System integrated with Solar Tracker
01.45 pm	PSM 2010	Voltage Regulation From High Voltage Transmission Lines
02.00 pm	PSM 2076	The Quantum Chemical Investigation and Biological Evaluation of Novel Era Inhibitor, 2,3,4,5-Tetraphenylcyclopenta-2,4-dien-1-one
02.15 pm	PSM 2094	Dual power generation with Analysis of solar power generation
02.30 pm	PSM 2095	Simulation Analysis of Li-ion Batteries, Supercapacitors, and Hybrid Configurations for Enhanced Efficiency in Indian Electric Trains
02.45 pm	PSM 2096	A Comprehensive Review of Innovative Approaches for Sustainable Waste Management
03.00 pm	PSM 3013	Three Dimensional Reconstruction of Bragg Coherent X-ray Diffractive Data
03.15 pm	PSM 3049	Experimentation in Injection Molding: Simulation and Parameter Optimization Using Design of Experiment
03.30 pm	PSM 5094	Design and Analysis of a Vedic Multiplier Circuit Using GDI Logic for Improved Performance and Low Power Consumption

Session 2: ICAPSM_PHY02

Date: 29.08.2024

Time: 01.30 am to 03.15 pm

Session Chair(s) :

1. *Dr. P. Nammalvar, HoD/ EEE*
2. *Prof. S. D. Vijayakumar, HoD/ECE*
3. *Dr. S. Ravishankar, AsP/MBA*
4. *S. Sathish, LT/CSE*

Time	Paper ID	Paper Title
01.30 pm	PSM 1022	HANA:1 Step Bank Solution – A Financial Bot With The Fusion of Block Chain and Deep Learning for Banking
01.45 pm	PSM 1023	Efficient Deep Learning Techniques Based Rice Grains Classification
02.00 pm	PSM 5027	Histopathological and Molecular Insights into the Classification of Lung Carcinomas: Adenocarcinoma, Small Cell, and Squamous Cell Variants
02.15 pm	PSM 5028	Real-Time Colon Polyp Recognition Using YOLOv8: A Novel Approach for Enhanced Endoscopic Imaging
02.30 pm	PSM 5029	Integrative Approaches to the Classification of Acute Lymphoblastic Leukemia: Subtypes, Markers, and Therapeutic Implications
02.45 pm	PSM 5030	Harnessing Artificial Intelligence: Feed-Forward Neural Networks for Accurate Identification of Plasmodium Parasites
03.00 pm	PSM 5031	CNN-Driven Retinal Vessel Segmentation: Bridging the Gap Between Medical Imaging and Artificial Intelligence

Session 3: ACH01 - ONLINE

Date: 29.08.2024

Time: 01.30 pm to 04.10 pm

Session Chair(s) :

1. Dr. P. Sakthivel, AsP/ Chemistry
2. Mr. C. Krishna Moorthy, AP/Chemistry

Session Link: <https://meet.google.com/uuh-acpc-nmj>

Time	Paper ID	Paper Title
01.30 pm	PSM 1045	Effect of different preservatives application through microwave treatment in White Meranti wood species (Shorea spp.)
01.43 pm	PSM 1072	Structural and Chemical Analysis of Theophylline using ArgusLab 4
01.56 pm	PSM 1079	Computational Analysis of an Analgesic Drug: Gentisamide
02.09 pm	PSM 2022	Molecular Interaction Study of Andrographis Paniculata with Native and Mutant Protein Related to Liver Ailments In Children: An In Silico Study
02.22 pm	PSM 2045	Electron Transfer Reactivity in Conjugated Azo Aromatic Dye
02.35 pm	PSM 2062	Evaluation of Alkaline Pre-treatment of Tea Waste Using Hot Air Oven, Orbital Shaker and Microwave-assisted Approaches
02.48 pm	PSM 2069	The Spectroscopic Investigation of 2-methyl-2,4-pentanediol using Moller Plesset Perturbation Theory and in silico Bioactive Studies
03.01 pm	PSM 2071	Synthesis And Characterization Of Biochar From Crown Flower By Pyrolysis
03.14 pm	PSM 2078	Iodinated Coumarin Derivative 4(3IP)BC Dipole Moments of Ground and Excited State by a Solvatochromic Shift Method
03.27 pm	PSM 3066	Biological Dioxygen Management Protein and its Interactions with Metal Complex
03.40 pm	PSM 4012	Molecular Interactions of DJ1 Protein and Phytocompounds of Nymphoides indica Against Parkinson's Disease 7: Insights Into Molecular Docking Study
03.53 pm	PSM 5006	N-doping on Pt/C catalyst using fluidized bed reactor atomic layer deposition for PEMFC applications

Session 4: CE01 - ONLINE

Date: 29.08.2024

Time: 01.30 pm to 04.00 pm

Session Chairs :

1. Dr. K. E. Viswanathan, HoD/ Civil
2. Dr. P. Eswaramoorthi, Associate Professor, Civil

Session Link: <https://meet.google.com/ibd-iobi-rht>

Time	Paper ID	Paper Title
01.30 pm	PSM 1024	Improving Rail Ballast Durability and Sustainability through Plastic Waste
01.43 pm	PSM 1042	Investigation of Newtonian and Non-Newtonian Behavior of Waste Tyre Pyro Oil Modified Asphalt Binder in Transition Region
01.56 pm	PSM 1056	Experimental Study of Neem Seed Husk Ash as Partial Replacement of Cement in Concrete
02.09 pm	PSM 1076	Enhancing Water Tank Lid Design through Structural and Thermal FEA Optimization
02.22 pm	PSM 3012	Experimental Study on Utilization of Plastic Fibre Wastes within Subgrade Soil
02.35 pm	PSM 3083	The effect of lateral bed inclination in combination with circular edges submerged vans on sedimentation in lateral channel
02.48 pm	PSM 3084	Comparing the Abrasion Resistance of Conventional and Rubberized Concrete Samples Using the Water Jet Method
03.01 pm	PSM 3085	Modeling of ungauged watershed using SWAT model and hydrologic parameter transformation
03.14 pm	PSM 4039	Effects of Bracing Systems in Various Positions for Earthquake-Resistant Buildings on Sloping Ground
03.27 pm	PSM 5024	Experimental Investigation on Graphene Oxide Concrete with Partial Replacement of Cement with GGBS and Silica Fume
03.40 pm	PSM 5054	Biodegradation of Organic Waste Combined With Industrial Waste By Vermicomposting Method
03.53 pm	PSM 5091	Critical Factors Influencing The Successful Completion of High- Rise Building Projects: A Comprehensive Analysis
04.06 pm	PSM 5093	Concrete Waste Management Strategies in RMC Plants: Investigating Recycled Aggregates For Sustainable Solutions

Session 05: CSE01 - ONLINE

Date: 29.08.2024

Time: 01.30 pm to 03.45 pm

Session Chair :

1. Dr. S.D. Prabu Ragavendiran, HoD/ CSE
2. Dr.D.Maya, Associate Professor, CSE

Session Link: <https://meet.google.com/pvp-uheb-fkj>

Time	Paper ID	Paper Title
01.30 pm	PSM 1015	Image Registration and Retrieval using Adaptive Polar Transform
01.43 pm	PSM 1021	A Perishable Inventory System with Random Common Lifetime, N-Policy and Lost Sales
01.56 pm	PSM 1040	Precision Waste Segregation : Leveraging SVM Machine Learning and IOT Solutions for Segregation Optimization
02.09 pm	PSM 1049	Enhanced Container Network Security Through Encryption and Network Segmentation
02.22 pm	PSM 1054	Exploring Transfer Learning Ways in Disease Detection of Plant Leaf
02.35 pm	PSM 2072	Implementing Song Identification via Query - by - Humming with MFCC Analysis: A Practical Approach
02.48 pm	PSM 2079	Exploring Edge Detection Methods for Human Action Recognition with Static Background Video
03.01 pm	PSM 3028	ChatGPT in Education: Analysing Trust, Perception, and Review of Cognitive Impact Across Social Media and Educational Institutions
03.14 pm	PSM 3045	An Enhanced Optical Character Recognition Model for different Captcha methods in Web Scraping Techniques
03.27 pm	PSM 3047	Enhanced Weather Prediction using Machine Learning

Session 06: MA01 - ONLINE

Date: 29.08.2024

Time: 01.30 pm to 04.10 pm

Session Chair :

1. Dr.T.Devi, Associate Professor / Maths
2. Ms.S.Savitha, AP/ Maths

Session Link: <https://meet.google.com/amk-ppgc-ncf>

Time	Paper ID	Paper Title
01.30 pm	PSM 1006	Linear Algebra in Computer Graphics and Cryptography
01.43 pm	PSM 1055	Influence of Thermal Effects on Unsteady Magnetohydrodynamic Flow of a Micropolar Fluid in Stokes Second Problem.
01.56 pm	PSM 1066	On a Queueing System with Encouraged Arrivals and Service Switches
02.09 pm	PSM 1070	Necessary and Sufficient Conditions for two Matrices to hold Multiplicative Property
02.22 pm	PSM 1083	Some results on motion of an electron in a physical system equations by using Differential transform method
02.35 pm	PSM 1099	Analyzing and Predicting Climatic Time Series Change Anomalies using Ensemble Learning Approach
02.48 pm	PSM 2025	Periodic Spin Matrices
03.01 pm	PSM 2026	Multipacket Electron
03.14 pm	PSM 2028	An Investigation Of Autocorrelation Coefficients In Single- Channel Instantaneous Mixtures
03.27 pm	PSM 2073	Some Innovative Results on Power sum
03.40 pm	PSM 2086	Estimating Composite Materials for Wind Turbine Blades in Fuzzy Environment
03.53 pm	PSM 2087	Evaluating Suitable biomaterial for Hip Implant in Fermatean picture fuzzy Environment
04.06 pm	PSM 5059	Transient analysis of single server queueing system with set up time

Session 07: ME01 - ONLINE

Date: 29.08.2024

Time: 01.30 pm to 04.10 pm

Session Chair :

1. Dr.L.Prabhu, AsP/Mechanical
2. Mr.P.Muruganathan, AP/Mechanical

Session Link: meet.google.com/pgp-phiu-ddh

Time	Paper ID	Paper Title
01.30 pm	PSM 1038	Rotor Dynamic Analysis of Front Transmission Shaft Axle Supported by Hybrid Bearing Set
01.43 pm	PSM 1039	Design and Optimization of SUV Hitch
01.56 pm	PSM 1041	Assess the impact of fluidized bed particle size on heat Transfer behavior through a comprehensive review
02.09 pm	PSM 1067	Design and Analysis of Roll Cage Suitable for Formula Student Vehicle
02.22 pm	PSM 1082	Performance Analysis of a Diesel Engine Using Various Methanol-Diesel Fuel Blends
02.35 pm	PSM 1095	Evaluation and Analysis of Young's Modulus and Hardness of Ti-Al ₂ O ₃ Nanostructured Thin Film Using ANOVA
02.48 pm	PSM 3002	Thermal performance evaluation of a double-pipe heat exchanger is conducted using spiral airfoil inserts within the inner pipe
03.01 pm	PSM 3011	Integrating Petri Nets for Job Sequence Planning and Control Code Generation in Robotic Assembly Systems
03.14 pm	PSM 3031	Experimental Investigation and testing of a compact minimal cutting fluid application system for the turning process of Medium Carbon Steel.
03.27 pm	PSM 3064	Investigation on Weldability of High-Carbon Steel At Extremely Low Heat Input
03.40 pm	PSM 3090	Determination of the Most Economical Variant of the Charge Consumption for AL19 Alloy Castings
03.53 pm	PSM 4028	Impact of Cutting force on CNC Dry Milling of MSS Grades 410 and 420

Session 08: PH01 - ONLINE

Date: 29.08.2024

Time: 01.30 pm to 04.10 pm

Session Chair :

1. Dr.L.Sampath Kumar, HoD/S&H
2. Ms.S.Kiruthikadevi, AP/Physics

Session Link: meet.google.com/ojy-kwhh-kps

Time	Paper ID	Paper Title
01.30 pm	PSM 1062	Synthesis and Analysis of Copper Nanoparticles Encapsulated within Polytoluene Nanocomposites
01.43 pm	PSM 1084	Effect of Ca doping on structural and morphological properties of Bi ₂ Te ₃ for thermoelectric applications
01.56 pm	PSM 1087	Synthesis of Bismuth Nanoparticle as Potential Anode Electrocatalyst for Direct Glucose Fuel Cell
02.09 pm	PSM 2000	Thermodynamic and Structural Characterization of Liquid Sn–Zn Alloys At 750 K
02.22 pm	PSM 2011	Impact of Different Electron and Hole Transport Layer Combinations and Electron Affinity in Tuning the Performance of Perovskite -based Solar Cells
02.35 pm	PSM 2013	SILAR Deposited Undoped and Nickel ZnO Thin Films for Anti-fungal Applications
02.48 pm	PSM 2064	Geant4 Simulations and Modeling for Space Radiation Environment
03.01 pm	PSM 2067	Theoretical Estimation of the Thermophysical Properties of CuFe Melts
03.14 pm	PSM 2068	Microscopic Properties of BiSn Melts at Various Temperatures by Molecular Interaction Volume Model
03.27 pm	PSM 2080	Quasielastic Scattering Analysis of ¹² C + ²³² Th reaction.
03.40 pm	PSM 2082	Influence of B-site Vanadium cation substitution on the structural and dielectric properties of lead free perovskite Na _{0.5} Bi _{0.5} TiO ₃ ceramic
03.53 pm	PSM 2083	Fusion dynamics of ⁴⁰ Ca + ⁷⁰ Zn reaction

Session 09: PH02 - ONLINE

Date: 29.08.2024

Time: 01.30 pm to 04.10 pm

Session Chair :

1. Dr.D.Arulanantham, AsP/ ECE
2. Mr.V.Kumar, AP/ECE

Session Link: <https://meet.google.com/mrp-fjzt-rfs>

Time	Paper ID	Paper Title
01.30 pm	PSM 2097	Fabrication And Characterization of Zinc Oxide/Tungsten Oxide Heterojunction Resistive Device
01.43 pm	PSM 2099	Fe _x S _y Ag Nanoparticles: Plant-mediated synthesis and Cr ion removal application
01.56 pm	PSM 3003	The FT IR Spectral Investigation of Methylene-bis-phosphonic acid using Quantum Chemical Computations and in silico Biological Evaluations
02.09 pm	PSM 3040	Study of Cerium Oxide Nanoparticles Synthesized by Chemical Co-Precipitation Technique
02.22 pm	PSM 2092	Impact of Praseodymium Doping on the Structural and Optical Characteristics of Barium Tungstate Nanoparticles
02.35 pm	PSM 4015	Structural and Electronic Properties at the Interface of La ₂ MnVO ₆ /Ca ₂ VMoO ₆ Double Perovskites using Density Functional Theory
02.48 pm	PSM 3081	Preparation and characterization of Magnesium substituted Hydroxyapatite for biomedical applications
03.01 pm	PSM 4010	Synthesis and Studies of Physical and Frequency Upconversion Properties of Bismuth-Tellurite Glasses Codoped With Er ³⁺ - Yr ³⁺ ions
03.14 pm	PSM 4013	ZnO(core)/TiO ₂ (shell) Composites: Impact of TiO ₂ Microstructure, N-Doping, and Au Nanoparticle Decoration on Photocatalytic and Photoelectrochemical Activity
03.27 pm	PSM 4023	A Monte Carlo Simulation to Understan Projectile Breakup for Weakly Bound Projectiles
03.40 pm	PSM 4036	Frequency Dependence of Dielectric Constant and Magnetic Properties of Cerium Doped Nanosized Cobalt Ferrite
03.53 pm	PSM 4038	The influence of imidazole loaded silica on the tribological performance and adhesion strength of epoxy nanocomposite

Session 10: CSE02 - ONLINE

Date: 30.08.2024

Time: 10.10 am to 12.10 pm

Session Chair :

1. Dr.S.Selvi ,HOD – AI&DS,
2. Dr.K.Sumathi, AsP/CSE

Session Link: meet.google.com/sba-swai-bca

Time	Paper ID	Paper Title
10.10 am	PSM 3070	Promoting Banking Services Through Data Analytics
10.23 am	PSM 3093	Application of Pretrained Convolutional Neural Networks for Proliferative Diabetic Retinopathy Detection
10.36 am	PSM 3094	Bi-ResNet-SVM based Classification of Rice Leaf Diseases using Thermal Image
10.49 am	PSM 4019	Enhancing Hybrid Classifier Methods for Analogous Image Extraction with Intrusion
11.02 am	PSM 4021	Enhancing Stock Market Forecasting through Hybrid Deep Learning: Integrating Stacked LSTM and CNN-LSTM Architectures for Enhanced Predictive Accuracy
11.15 am	PSM 4041	A Comparative Study Of Abstractive And Extractive Methods Using Natural Language Processing
11.28 am	PSM 4072	Improving Ulcerative Colitis Diagnosis through VGG19-Based Transfer Learning
11.41 am	PSM 5001	Land Cover Dynamics Analyzation With Google Earth Engine
11.54 am	PSM 5061	Crack Detection and Segmentation by Employing Deep Neural Network U-Net
12.07 pm	PSM 4011	E-COMMERCE Website Using Mern Stack
12.20 pm	PSM 5097	Hybrid Model For Drought Assessment Using Optimised Deep Learning

Session 11: EC01 - ONLINE

Date: 30.08.2024

Time: 10.10 am to 12.45 pm

Session Chairs :

1. Dr.R.Praveen Kumar, AsP / ECE
2. Ms.G.Vijayakumari, AP/ECE

Session Link: <https://meet.google.com/dqp-gweg-xkv>

Time	Paper ID	Paper Title
10.10 am	PSM 2084	Optical Properties of As-S-Se Chalcogenide Solutions prepared thin films for Photonic Device Applications.
10.23 am	PSM 2090	Reversible and Irreversible Digital Circuit Design using Quantum Dot Cellular Automata: Towards Energy-Efficient Computing
10.36 am	PSM 3030	Microstrip Antenna with Enhanced Bandwidth for S- Band Application by Partial Ground Approach
10.49 am	PSM 3044	Optimising Three-Dimensional (3-D) Magnetic Photonic Structure for Filtering Application
11.02 am	PSM 3048	Deep Learning Approaches to Detect the Corrosion in the Steel Surface
11.15 am	PSM 3057	Simulation, Fabrication, and Characterization of TiO ₂ /WO ₃ -based UV Photodetector
11.28 am	PSM 4046	Interference Reduction in 5G network using Adaptive Beamforming Techniques
11.41 am	PSM 4048	Parameter evaluation of a rectangular patch antenna with five different parasitic patches for 7 GHz Application
11.54 am	PSM 4071	Electrical Analysis of P(VDF-TrFE-CTFE)/PVP/Acidic ionic liquid membrane
12.08 pm	PSM 4084	Comparison of Piezoelectric and MEMS based Vibration Measurement System for Motors Condition Monitoring
12.21 pm	PSM 5016	Palm Print Recognition Using RSA Algorithm with Machine Learning
12.35 pm	PSM 5066	Assessment of Panicle Blast Severity in Rice Using Deep Features from NASNet and Support Vector Machine

Session 12: EE01 - ONLINE

Date: 30.08.2024

Time: 10.10 am to 12.35 pm

Session Chair :

1. Dr.C.Vimal Raj, AsP/ EEE
2. Ms.S.Radhika, AP/EEE

Session Link: <https://meet.google.com/szz-xjpb-iyi>

Time	Paper ID	Paper Title
10.10 am	PSM 1026	Studying the effect of the nature of the rotating cylinder surface on the performance of a solar still
10.23 am	PSM 1068	Optimal Power Flow in a High Voltage Iraqi Network Using Artificial Intelligence Algorithm
10.36 am	PSM 2002	An Integrated System for Real-Time Monitoring, Predictive Analytics, and Inventory Management for the Shipping Industry
10.49 am	PSM 2016	Comparison for PID and FOPID controllers for MIMO process
11.02 am	PSM 2055	Simulation of Solar Powered EV Scooter
11.15 am	PSM 3043	Enhancing Electric Vehicle Charging Experience Through User Behavior Prediction
11.28 am	PSM 4000	Optimization of Electronic Document Flow at the Enterprise Through the Creation of a Unified Automated Information System
11.41 am	PSM 4030	Machine Learning-Based Optimization of Aircraft Range Prediction
11.54 am	PSM 4034	Revolutionizing Residential Energy Costs: A Data-Driven Analysis of Dynamic Pricing Strategies
12.08 pm	PSM 4060	Wind Speed Forecast using Feed-Forward Neural Network and Multi Linear Regression: A Case Study
12.21 pm	PSM 5005	Designing the Power Converters for Solar Photovoltaic System Transient Load Response in a Islanded Micro-grid
12.34 pm	PSM 5099	Performance Analysis of Various PWM Methods Using Single Full Bridge Inverter

Session 13: MA02 - ONLINE

Date: 30.08.2024

Time: 10.10 am to 12.50 pm

Session Chair :

1. Dr.S.Krishnaveni, AsP / Maths
2. Ms.S.Nithyadevi, AP/Maths

Session Link: meet.google.com/qkb-crxf-zju

Time	Paper ID	Paper Title
10.10 am	PSM 3017	Optimal-Adomian Technique for Solving Non-Linear System Retarded Delay Differential Equations
10.23 am	PSM 3037	Applications of modern Algebra in Cryptography
10.36 am	PSM 3052	Contra Harmonic Coindex of Some Molecular Graphs
10.49 am	PSM 3082	Quantile Fuzzy Regression
11.02 am	PSM 4009	Optimal Ordering Strategy in Sustainable Inventory Management for Decaying Items with Low Carbon Emissions and No Back Order Shortage
11.15 am	PSM 4017	Application of the Haar-wavelet Approach to the Numerical Solution of Cauchy-Euler Differential Equations
11.28 am	PSM 4061	Applications of Number Theory in Cryptography
11.41 am	PSM 4078	Python Implementation for Edge Sum Divisor Cordial Labeling of Lagoon Step Graphs
11.54 am	PSM 4085	Heinz Quarter mean labeling of path related corona graphs
12.08 pm	PSM 4092	Interconnectedness for Seemingly Distinct Concepts of Fibonacci Sequence, Binet's Formula and Euler's Formula
12.21 pm	PSM 4093	Neutrosophic Soft Sets and TOPSIS MCDM Using Iteration Method in One and Two Dimensions
12.35 pm	PSM 5010	Analysis of Single and Joint Replenishment Policy Through Fractal
12.47 pm	PSM 5092	Probing of CCD-number for some tree graphs

Session 14: MA03 - ONLINE

Date: 30.08.2024

Time: 10.10 am to 12.20 pm

Session Chair :

1. Dr.T.Devi, Associate Professor / Maths
2. Ms.S.Savitha, AP/ Maths

Session Link: <https://meet.google.com/txq-gsvc-bif>

Time	Paper ID	Paper Title
10.10 am	PSM 5011	Comparing Different Approaches to Multi criteria Decision Making (MCDM) in an Intuitionistic Fuzzy Hypersoft sets Framework
10.23 am	PSM 5033	Linear algebra behind mysterious numbers
10.36 am	PSM 5040	Optimal Pattern Recognition in Snake Graphs using Maximization of Even Multiplicative Labeling
10.49 am	PSM 5041	Graph Labeling for Secure Communication: A Comprehensive Approach using Encryption and Decryption Algorithm
11.02 am	PSM 5044	Applications of RSA algorithm in cryptography
11.15 am	PSM 5045	A discourse on power sum with matrices
11.28 am	PSM 5072	Implementation of Bulk Arrival Queueing Model in Single Vacation and Single Service with Balking Customer
11.41 am	PSM 5081	Sign Language Translation With Enhanced User Experience
11.54 am	PSM 5082	An Application of Neutrosophic Fuzzy Soft Matrix using distance measure in Material Selection
12.08 pm	PSM 5083	Markovian Queueing Model with Differentiated Working Vacations and Customer's Impatience
12.21 pm	PSM 5089	Hermitian Operators in Inhomogeneous Fractional Diffusion Equations: Theory and Applications
12.34 pm	PSM 5098	Probing the corona domination number for the Cartesian product of graphs

Session 15: PH03 - ONLINE

Date: 30.08.2024

Time: 10.10 am to 12.35 pm

Session Chair :

1. Dr.K.Ramachandran, AP/Chemistry
2. Dr.B.Shanthini, AsP/MBA

Session Link: meet.google.com/ici-vzkp-zwr

Time	Paper ID	Paper Title
10.10 am	PSM 4057	Piezoresistive analysis of PVDF-CNF Membrane
10.23 am	PSM 4079	Simulation Analysis of Novel Ag ₂ BaTiSe ₄ Based Photovoltaic Devices Using SCAPS 1-D
10.36 am	PSM 4083	Nanocomposites-based Polymethyl Methacrylate-reduced Graphene Oxide-Coated QCM Sensor as a Nominee for Coffee Aroma Sensor
10.49 am	PSM 5026	Multifunctional Material Propylene Glycol Thermo-acoustical excess Properties & Redlich Kister coefficient Studies
11.02 am	PSM 5051	Material Synthesis, Characterization, and EMI Shielding Effectiveness Performance of Polypyrrole / Ni-Al ₂ O ₃ Nanocomposites
11.15 am	PSM 5052	Octonion linear canonical transform: The uncertainty principle and Sharp inequalities
11.28 am	PSM 5058	Dielectric Relaxation Behavior of Pure and Malachite Green Doped Polyvinylidene fluoride samples
11.41 am	PSM 5060	Micro-structural analysis and doping effects on Sb ₂ S ₃ thin film
11.54 am	PSM 5062	Elastic Properties of Zigzag, Chiral and Armchair SiC SWNT in The Presence of Universal Force Field
12.07 pm	PSM 5073	Study on Solution Processed ZnO Field Effect Transistors with SiO ₂ and Alumina-Barium Titanate Gate Dielectrics
12.20 pm	PSM 5085	Influence of Mg ⁺² on the structure, microstructure, and magnetic interactions of zinc ferrite nanoparticles synthesized via co-precipitation route
12.33 pm	PSM 5064	Investigating the fusion and fragmentation mechanisms of ⁹⁸ Cd* nucleus populated in ⁴⁰ Ca-induced reaction

Session 16: ACM01 - ONLINE

Date: 30.08.2024

Time: 10.10 am to 11.45 pm

Session Chair :

1. Dr.P.Saji Raveendran,AsP/Mechanical
2. Dr.V.Sureshkannan,AP/Mechanical

Session Link: <https://meet.google.com/biz-qyzi-bws>

Time	Paper ID	Paper Title
10.10 am	PSM 5037	Design and analysis of Trailing arm suspension system for an All-terrain vehicle
10.23 am	PSM 4091	Selection of Additive Manufacturing Technique by Using Multi-Criteria Decision Making Methodology via the Analytical Hierarchy Process.
10.36 am	PSM 5013	A study of Heat Transfer and Fluid Flow Characteristics of Different Degree Elbows for various Nanofluid Flow
10.49 am	PSM 5035	Dynamic Mechanical Analysis of PVP Exfoliated TMDs Toughened Epoxy Composites
11.02 am	PSM 5007	A Study on Aspirin's Biological Reactivity Using Hosoya Z index - Graph Matching Techniques
11.15 am	PSM 5043	Comprehensive Analysis of Solvent Efficiency in Extracting Bioactive Compounds from Neem Seeds and Leaves
11.28 am	PSM 5050	Adsorptive Properties of Metal-Organic Frameworks (MOFs) for Cationic Dyes in Aqueous Media: Comparison by Molecular Docking Analysis
11.41 am	PSM 4070	Effect of Wavelength Scanning and Thickness in the Surface Plasmon Resonance of Metal Thin Films
11.54 am	PSM 5012	Design and Development of a Gearbox Integrated with Transfer Case
12.07 pm	PSM 3065	A comparative study of some physical properties of a surface stabilized and non-surface stabilized ferroelectric liquid crystal
12.20 pm	PSM 3071	Study of Physical Properties of Homologous Series of a Ferroelectric Liquid Crystal and the Impact of Number of Non-chiral Side Carbon Atom
12.33 pm	PSM 2054	Improved electroweak and asymmetry terms and the improved strong and electroweak mass formula