Tentative Program Schedule

31st International Conference

of

International Academy of Physical Sciences

(CONIAPS XXXI)

(December 20-21, 2024)

1st day, 20 December (Friday)

8:00 AM – 10:30 AM	**Registration**
10:30 AM – 12:00 PM	**Inauguration**
12:00 PM -12:30 PM	**HIGH- TEA**

SESSION-I

DECEMBER 20, 2024 (12:30 PM –1:30 PM)

FELLOWSHIP/PLENARY LECTURES	
12:30 PM - 01:00 PM	**Fellowship Award Lecture:**
01:00 PM - 01:30 PM	**Plenary Lecture 1:**
1:30 PM - 2:30 PM	**Lunch**

Session-II
(Mathematics)
(02:30PM – 04:00 PM)

	Manorial Lectures **VENUE: Seminar Hall (Mathematics) (A)** **CHAIRMAN: Prof. M. K. Sharma**		
2:30PM-3:00PM	**Prof. T.Pati Manorial Lecture** **Prof. H.S.Dhami** The role of Mathematics in the 21st century		
3:00PM-3:30PM	**Prof. H.P.Dixit Memorial Lecture** **Prof. Avanish Kumar** Distributed System: Dynamic Load Distribution Policy for Optimal Assignment		
3:30PM-4:00PM	**Prof. P.R.Sharma Memorial Lecture** **Prof. Kalpna Sharma** Enhanced Heat Transfer in Casson Hybrid Nanofluid between Parallel Plates under Magnetic Field, Radiation, and Joule Heating		
4:00PM-4:15 PM	**Tea Break**		
Session-III (Mathematics) **(**04:15PM – 05:30 PM) **(PROF. B. S. THAKUR:9827955810, DR. DIPTI THAKUR: 7999674607, DR. GOVIND PRASAD SAHU: 9926963899)**			
VENUE: Seminar Hall (Mathematics) (A) **Chairman: Prof. D. R. Sahu**		**VENUE: Room No-15 (Mathematics) (B)** **YOUNG SCIENTIST AWARD PRESENTATIONS (Mathematics)** **Chairman: Prof. zzzzz**	
4:15PM–4:35 PM	**Invited Talk-01 (MATH-IL-04)** **Prof. Pradyumn Kumar Sahoo** Gravastar in the Framework of Symmetric Teleparallel Gravity	MATH-YSA-01	**Ayushi Sao** Generating Mandelbrot and Julia Sets using Viscosity S-Iteration Scheme

ORAL PRESENTATIONS (Mathematics) (4:35PM-5:30) Chairman: Prof. D. R. Sahu		MATH-YSA-02	**Iti Sao** Reliability Modelling and Performance analysis of Multi-state Manufacturing system using Artificial Neural Networking Approach
		MATH-YSA-03	**Pratik Singh Thakur** Modified Electrical Fuzzy C Means
MATH-OP-01	**Kavita Sakure** Generalized Nonexpansive Mappings in CAT(p)(0) Spaces	MATH-YSA-04	**Sabita Kumari** Fixed Point Theorem for ψ − Geraghty Contraction Type Mappings in b-Metric Spaces
MATH-OP-07	**Moirangthem Pradeep Singh** Fixed Point Theorems of Rational Zψ- Contraction On b-Metric spaces.	MATH-YSA-05	**Amit Singh Thakur** Modeling the Dynamics of COVID-19 with Vaccination and Environmental Contamination: A Study on the Omicron Variant
MATH-OP-13	**Rashmi Bhagat** Approximation of Best Proximity Pair for Non-cyclic Relatively Nonexpansive Mappings	MATH-YSA-06	**Nidhi Sharma** Alikeness of Some Findings and Fixed Point Theorems in b-S-Multiplicative Metric Spaces
MATH-OP-14	**Loitongbam Melei Singh** Fixed Points For (α_(qs^p), β_(qs^p))-Geraghty Contraction Of Type E.	MATH-YSA-07	**Sachin Kumar** Special Change of (α,β)-Metric by h Vector in Finsler Space
MATH-OP-15	**Rashmi Verma** An Inertial SR-Iteration Process		
MATH-OP-03	**Dildar Singh Tandon** Homomorphism of Triangular Co-norms based on Intuitionistic Fuzzy Γ- Sub modules		

2nd day, 21 December (Saturday)

Session-I

(Mathematics)

VENUE: Seminar Hall (Mathematics) (A)

(PROF. B. S. THAKUR: 9827955810, DR. DIPTI THAKUR: 7999674607, DR. GOVIND PRASAD SAHU: 9926963899)

9:00AM 9:20AM	**Invited Talk-02 (MATH-IL-)** **Dr. M.K.Sharma** Flow Characteristics of some non-Newtonian Fluid Flow	Chairman: **Prof. Binayak S. Choudhury**
9:20AM 9:40AM	**Invited Talk-02 (MATH-IL-)** **Dr. Pooja Sharma** Radiative heat transfer and thermo-diffusion effects in chemically reactive magnetized mixed convective flow of gold nanofluid	
9:40AM -10:00AM	**Invited Talk-03 (MATH-IL-09)** **Prof. S.K.Tiwari** Certain Fundamental Transformations in Finsler Space	
10:00AM 10:20AM	**Invited Talk-04 (MATH-IL-08)** **Prof. Chayan Kumar Mishra** Study of some connection with - Shen's square-metric	
10:20AM 10:40AM	**Invited Talk-05** **Prof. M.M. Tripathi**	Chairman: **Prof. Kalpna Sharma**
10:40AM 11:00AM	**Invited Talk-06 (MATH-IL-11)** **Dr. Ratnesh Kumar Mishra** Finitely generated free abelian groups	
11:00AM 11:20AM	**Invited Talk-07 (MATH-IL-03)** **Prof. Binayak S. Choudhury** New Trends in Metric Fixed Point Theory	
11:20AM 11:35AM	**Tea Break**	

11:35AM 11:55AM	**Invited Talk-08 (MATH-IL-02)** **Prof. D.R.Sahu** Self-adaptive accelerated iterative techniques for split feasibility problems: Theory and applications	Chairman: **Prof. Chayan Kumar Mishra**
11:55AM 12:15PM	**Invited Talk-09 (MATH-IL-05)** **Prof. Yumnam Rohen Singh** Fixed Point On Generalizations Of Metric Space And Applications	
12:15PM 12:35PM	**Invited Talk-10 (MATH-IL-07)** **Prof. Shruti** Statistics and Sustainable Development Goals	
12:35PM 12:55 PM	**Invited Talk-11 (MATH-IL-12)** **Prof. V. Lokesh** Exploring the Integration of Topological indices with Machine learning for Enhanced molecular property Prediction	Chairman: **Prof. S.K.Tiwari**
12:55PM 01:15PM	**Invited Talk-12 (MATH-IL-06)** **Prof. Ashok K. Mishra**	
01:15PM 01:35PM	**Invited Talk-13** **Dr. Manish Kumar Gupta** Projective Ricci Curvature of Cubic Finsler Metric	
1:35 PM-2:30PM	**LUNCH- BREAK**	

Session-II (2:30PM-4:30PM)

ORAL PRESENTATIONS (Mathematics)

(PROF. B. S. THAKUR:9827955810, DR. DIPTI THAKUR: 7999674607, DR. GOVIND PRASAD SAHU: 9926963899)

VENUE: Seminar Hall (Mathematics) (A) Chairman: **Dr. Manish Kumar Gupta**		VENUE: Room No-15 (Mathematics) (B) Chairman: **Dr. Ratnesh Kumar Mishra**		VENUE: Room No-16 (Mathematics) (C) Chairman: **Prof. Yumnam Rohen Singh**	
MATH-OP-17	**Virendra Upadhyay** To Study on A Mathematical Modeling on Two Phase Human Cerebral Blood in	MATH-OP-02	**U. S. Negi** Geometry on Conformal Curvature Tensor of Kaehlerian Manifolds	MATH-OP-31	**Akhilesh Kumar Rai** Study on R-+ Symmetric Finsler Spaces

	Venules During Hemorrhagic Stroke (Intracerebral Hemorrhage)				
MATH-OP-16	**Deepak Kumar Yadav** A Mathematical Analysis on Two Phase Human Cerebral Blood Flow in Veins During Intracerebral Hemorrhagic Stroke (ICH)	MATH-OP-11	**Kamod Singh Thakur** Riemann hypothesis	MATH-OP-08	**Hira Lal Verma** Comparative Analysis and Applications of Artificial Neural Networks, Convolutional Neural Networks, and Fuzzy Neural Networks in GIS and Remote Sensing
MATH-OP-26	**Dr. Govind Prasad Sahu** Advancing the Understanding of Epidemics: A Review of Fractional-Order Models in Infectious Disease Dynamics	MATH-OP-19	**Prof. Rakesh Kumar** On the Geometry of the Normalized Null Hypersurfaces of Perfect Fluid Spacetimes	MATH-OP-09	**Aradhana Sharma** Homomorphism of Triangular Co-norms based on Intuitionistic Fuzzy Γ- Sub modules
MATH-OP-29	**Nandni Rajput** Mathematical Modelling onTwo Phase Arterial Blood Flow During Breast Cancer	MATH-OP-28	**S. N. Pandey** Charged Spherically Symmetric Compact Stars Configurations	MATH-OP-18	**Heisnam Manglem Singh** Some Fixed point Theorems Of (α,β)-F-Contraction Mappings
MATH-OP-27	**Kavita Dwivedi** Analytical Investigation on The Blood Flow Behavior Through Venules in The Presence of Tick Fever Under Two Phase Blood Flow Model	MATH-OP-05	**Hemant Kumar Saw** Reliability Modelling and Performance analysis of Multi-state Manufacturing system using Artificial Neural Networking Approach	MATH-OP-22	**Rakesh Kumar** Motile Microorganism Suspended Second Grade Hybrid Nanofluid Over A Non-Linearly Stretched Curved Surface
MATH-OP-23	**Anil Ahlawat** Unveiling Heat Transfer Insights into Wavy-BottomInverted T- Shaped Enclosure utilizing Hybrid Nanofluids	MATH-OP-20	**Dr Varun Jain** A On the Induced Statistical Ricci Tensor of Light like Submanifold of an Indefinite Statistical Manifold	MATH-OP-24	**Sumon Ghosh** Convex Three-point Contractions On Metric Spaces and Fixed Points
MATH-OP-12	**Swati Thakur** Blind Signature Scheme Based on Hardness of Learning with Errors Problem	MATH-OP-04	**Debasmita Dash** A New Subclass of Meromorphic Functions Associated With The Sălăgean Operator	MATH-OP-25	**Ranajit Jyoti** Φ-Fixed Point Results Using Admissibility in b-Metric Spaces With wt- Distance and Application
MATH-OP-10	**Nirmal Kumar Singha** Integral Extensions of Ankeny-Rivlin type Inequality for Higher Derivatives of a Polynomial	MATH-OP-06	**Nidhi Dewangan** On Dynamics of Surface Waves in HeterogeneousVisco-elastic Medium		**Manisha Gupta** Degree Of Approximation Of Function In The Hlder Metric By (E,q) (e,c) Means of its Fourier series

MATH-OP-21	**Omprakash Dewangan** Analysis of P-type ILC method for a Class of SISO Linear Discrete-Time Switched Systems with Factor attenuation	MATH-OP-30	**Brijesh Kumar Maurya** On a hypersurface of Conformal Beta Change		**Vijay Tripathi** A mathematical study on two phase blood flow in venules using extended Herschel Bulkley model during Major thalassemia (Cooley Anaemia)