

Schedule

86th Annual Conference of The Indian Mathematical Society – An International Meet

VIT Vellore (Online Conference)

Dec 17 – 20, 2020

Day 1: 17/12/2020

Time	Event	Link Meeting ID Passcode
10.00 – 11.30	<u>Inauguration</u>	<u>Link</u>
11.40 – 12.40	<u>Presidential Address (Technical)</u> Prof. B. Sury , I.S.I Bangalore Presided by Prof. S. Bhargava	<u>Link</u> 925 8814 3934 639166
12.45 – 13.15	<u>Satish Bhatnagar Award Lecture</u> Prof. M.D. Srinivas , Centre for Policy Studies, Chennai <i>Pandiagonal Magic Squares: From Nagarjuna to Narayana Pandit to Vijayaraghavan</i> Chairperson: Prof. S.G. Dani	
14.00 – 15.00	<u>Plenary Talk 1</u> Prof. M.S. Raghunathan , CEBS Mumbai <i>Some Major Indian Contributions to Mathematics in the 20th Century</i> Chairperson: Prof. Satya Deo	
15.15 – 16.15	<u>31st Srinivas Ramanujan Memorial Award Lecture</u> Prof. Anish Ghosh , TIFR Mumbai <i>The unreasonable effectiveness of ergodic theory in number theory</i> Chairperson: Prof. N.D. Baruah	
16.30 – 19.30	<u>Session of Competition Paper Presentation 1</u> AMU Prize, V M Shah Prize and IMS Prize Group 1	

Day 2: 18/12/2020

Time	Event	Link Meeting ID Passcode
09.00 - 10.00	<u>34th P L Bhatnagar Memorial Award Lecture</u> Prof. Neela Nataraj , IIT Bombay, Mumbai <i>Lower-order nonstandard finite element methods for plates</i> Chairperson: Prof. G.P. Rajasekhar	Link 925 8814 3934 639166
10.05 – 10.35	<u>A M Mathai Award Lecture</u> Dr. P. Prakash , Amrita Viswa Vidyapeetham, Coimbatore <i>Invariant subspaces and exact Solutions of nonlinear PDEs</i> Chairperson: Prof. B.N. Waphare	
10.45 – 13.15	<u>Symposia (in Parallel sessions)</u> (i) <i>Graph Theory and Combinatorics (in honour of Prof S. S. Shrikhande)</i> Speakers: Prof. R. Balakrishnan, Prof. Bhaskar Bagchi, Prof. M.K. Srinivasan, Prof. Rajendra Pawale, Prof. S. Sane (Convenor)	Link 985 0401 1897 486069
	(ii) <i>Biomechanics</i> Speakers: Prof. G.R.K Acharya, Prof. P.V.S.N. Murthy, Prof. P. Muthu, Prof. Meena Pargei, Prof. B.V. Rathish Kumar (Convenor)	Link 929 3095 2756 951309
14.00 – 15.00	<u>31st Hansraj Gupta Memorial Award Lecture</u> Prof. Dinesh Khurana , Panjab University, Chandigarh <i>Some Glimpses into Noncommutative Ring Theory</i> Chairperson – Prof. S. Arumugam	Link 925 8814 3934 639166
15.05 – 15.35	<u>A. K. Agarwal Award Lecture</u> Dr. Jagmohan Tanti , Central University of Jharkhand, Ranchi <i>Euler Criterion for l^{th} power non Residues with l a prime</i> Chairperson – Prof. Sudhir Ghorpade	
15.35– 16.05	<u>A Narasinga Rao Prize Lecture</u> Dr. R.B. Yadav , Sikkim University, Sikkim <i>On Some Categories of Riemannian Manifolds</i> Chairperson – Prof. M.M. Shikare	
16.10 – 16.40	<u>Invited Talks (in Parallel sessions)</u> (i) Prof. S. Saravanan , Bharathiar University, Coimbatore <i>Sharp Nonlinear Stability Limits for centrifugal Convection in Porous Media</i> Chairperson: Prof. G. Radhakrishnamacharya	Link 989 3647 3570 574428
	(ii) Dr. Pradip Majhi , University of Calcutta, Kolkata <i>Cotton Solitons within the frame work of almost Kenmotsu 3-h-Manifolds</i> Chairperson: Prof. G.P. Youvaraj	Link 945 4869 3562 151508
16.45 – 19.45	<u>Session of Competition Paper Presentation 2</u> IMS Prize Groups 4, 5 and 6	Link 925 8814 3934 639166
20.00 – 21.00	Cultural Programme	

Day 3: 19/12/2020

Time	Event	Link Meeting ID Passcode
09.00 - 10.00	<u>31st V. Ramaswami Aiyer Memorial Award Lecture</u> Prof. Sanoli Gun , I. M. Sc. Chennai <i>On bounds of Fourier-coefficients of half-integer weight cusp forms</i>	Link 925 8814 3934 639166
	Chairperson: Prof. Dipendra Prasad	
10.05 – 10.35	<u>Invited Talks (in Parallel sessions)</u> (i) Prof. S.P. Tewari , IIT Dhanbad <i>Automata theory based on residuated lattices</i>	Link 910 8824 5863 374441
	Chairperson – Prof. Asma Ali	
	(ii) Prof. K.S. Charak , University of Jammu, Jammu <i>Normal Families of Holomorphic Functions of Several Complex Variables</i>	Link 960 2542 5150 49985
10.45– 13.15	<u>Symposia (in Parallel sessions)</u> (i) <i>Chandrasekharan centenary symposium in Number theory</i> Speakers: Prof. Shanta Laishram, Prof. Stephan Baier, Prof. Jaban Meher, Prof. R. Padma, Prof. K. Srinivas (Convenor)	Link 951 8937 7593 356096
	(ii) <i>Topology and Geometry</i> Speakers: Prof. Mahender Singh, Prof. Viamala Ramani, Prof. Ramesh Kasilingam, Prof. Raisa Dsouza, Prof. Harish Seshadri, Prof. P. Sankaran (Convenor)	Link 989 2384 6005 15740
14.00 – 15.00	<u>Plenary Talk 2</u> Prof. Harald Upmeyer , University of Marbug, Germany <i>Toeplitz Operators and Hilbert Modulus on Bounded Symmetric Domains</i>	Link 925 8814 3934 639166
	Chairperson – Prof. Amin Sofi	
15.05 – 17.35	<u>Symposia (in Parallel sessions)</u> (i) <i>History of Indian Mathematics</i> Speakers: Prof. Avinash Sataye, Prof. Amartya Dutta, Prof. C.S. Aravinda, Prof. Venkekeswara Pai, Prof. M.S. Sriram (Convenor)	Link 953 0585 4986 537332
	(ii) <i>Industrial Mathematics: Modelling, Optimization, Simulation</i> Speakers: Prof. Agnieszka Wylomanska, Prof. Thomas Goetz, Prof. Sudarshan Tiwari, Prof. Sivaram Ambikasaran, Prof. Panchatcharam Mariappan, Prof. S. Sundar (Convenor)	Link 973 5629 7273 873732
17.45 – 19.30	<u>Contributory Paper Presentations 1 (4 Parallel Sessions)</u>	
	(I) B (1-15) – Chairperson Prof. V.M. Chandrasekharan	Link
	(II) H1 (1-15) – Chairperson Prof. S. Srinivas	Link
	(III) E (1-14) – Chairperson Prof. Shruti Dubey	Link
(IV) F(1-15) – Chairperson Prof. A.K. Das	Link	
18.00 – 19.30	<u>Contributory Paper Presentations 2 (4 Parallel Sessions)</u>	
	(I) A1 (1-12) – Chairperson Prof. R Selvakumar	Link
	(II) C1(1 -12) – Chairperson Prof. G. Murugusundaramoorthy	Link
	(III) H2(16 – 27) – Chairperson Prof. S Sreenath	Link
(IV) I1(1-12) – Chairperson Prof. Joydip Dhar	Link	

Day 4: 20/12/2020

Time	Event	Link Meeting ID Passcode
09.00 – 10.00	<u>Invited Talk</u> Prof. Ravi P. Agarwal , Texas A&M University USA <i>Are We Prepared to Accept The Reality?</i> Chairperson: Prof. Manjul Gupta	Link 925 8814 3934 639166
10.00-10.30	<u>Invited Talks (in Parallel sessions)</u> (i) Prof. Samares Pal , University of Kalyani <i>Catastrophic changes in coral reef dynamics under macroalgal toxicity, overfishing and invasion of predators</i> Chairperson: Prof. Nita Shah	Link 917 3431 8190 127313
	(ii) Prof. Shakir Ali , Aligarh Muslim University <i>Jordan *-derivations and related maps in rings</i> Chairperson: Prof. S.K. Nimbhorkar	Link 915 3448 2219 544352
10.30 – 12.00	Contributory Paper Presentations 3 (5 Parallel Sessions) (I) A2(13 -23) – Chairperson Prof. Deepa Sinha	Link
	(II) C2(13 - 24) – Chairperson Prof. S.P. Tewari	Link
	(III) D1(1- 11) – Chairperson Prof. Ajay K Shukla	Link
	(IV) G(1 -12) – Chairperson Prof. Jitendra Kumar	Link
	(V) I2(13 – 23) – Chairperson Prof. P. Muthu	Link
12.00 onwards	General Body Meeting	
14.00 – 15.30	Contributory Paper Presentations 4 (5 Parallel Sessions) (I) C3(25 -36) – Chairperson Prof. S. Ahmad Ali	Link
	(II) D2(12 - 21) – Chairperson Prof. Pankaj K. Jain	Link
	(III) H3(28 -39) – Chairperson Prof. P.V.S.N. Murthy	Link
	(IV) I3(24-37) – Chairperson Prof. Meenakshi Wasadikar	Link
	(V) H4(40 – 51) – Chairperson Prof. S.K. Tomar	Link
15.40 – 16.40	<u>A special session on ‘Funding Opportunities for Mathematics’</u> Speakers: Prof. Satya Deo, Prof. Chandan Dalawat, Prof. Mythily Ramaswamy, Prof. S. Sundar, Prof. Vetrivel, Prof. G.P. Rajasekhar, Prof. Peeyush Chandra (coordinator)	Link 925 8814 3934 639166
16.45	Valedictory Function	

Contributory Paper Presentations Schedule

86th Annual Conference of The Indian Mathematical Society – An International Meet

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December 17 – 20, 2020

Date	Time	CS *	PS **	Abstract Numbers	Link	Meeting ID	Passcode
19/12/2020	17:45 – 19:30	1	I	B1-B15	Link	997 2523 5836	5373
			II	H1-H15	Link	989 4468 7152	628373
			III	E1-E14	Link	984 5386 6270	372435
			IV	F1-F15	Link	933 4558 3316	594652
19/12/2020	18:00 – 19:30	2	I	A1-A12	Link	924 9875 8726	999082
			II	C1-C12	Link	912 1266 7760	970885
			III	H16-H27	Link	965 3966 3050	36433
			IV	I1-I12	Link	926 7193 7084	806916
20/12/2020	10:30 – 12:00	3	I	A13-A23	Link	947 7065 7185	315744
			II	C13-C24	Link	951 6864 2691	874192
			III	D1-D11	Link	916 1089 3048	821798
			IV	G1-G12	Link	960 0650 6960	124800
			V	I13-I23	Link	928 2327 4803	887511
20/12/2020	14:00 – 15:30	4	I	C25-C36	Link	943 1392 8229	695111
			II	D12-D21	Link	943 8665 6983	625794
			III	H28-H39	Link	929 0432 3263	730391
			IV	I24-I37	Link	982 8246 6814	754377
			V	H40-H51	Link	940 8667 8749	924607

*CS - Contributory Paper Presentations Session

**PS - Parallel Session

Date: **19 December 2020**

Time: **17:45 – 19:30**

Contributory Paper Presentations Session: **I**

Parallel Session: **I**

Link: <https://zoom.us/j/99725235836?pwd=NzNYlPjRWENK2JXdFNZQ3VuUnEyUT09>

Meeting ID: **997 2523 5836**

Passcode: **5373**

Chairperson: **Prof. V.M Chandrasekharan**

Moderator: **Dr. Peri K. Kameswaran**

A. No	Author	Title
B1	Abha Tripathi, S.P. Tiwari	On Č ech Fuzzy Interior Spaces and Fuzzy Pretopological Spaces determined by Implicators
B2	Pranav Narayan Sharma	Demonstration and Proof of a Unique Property of Mersenne Primes
B3	B. Ramu Naidu, K. P. R. Sastry, D.M.K. Kiran	Data Encryption to Decryption by Using Laplace Transform
B4	Anupam Rachna	Principal ideal in a regular rings

B5	P. Durgadevi, Ezhilmaran Devarasan	Notation on rough fuzzy ideals in G-rings and its properties
B6	P. Muralikrishna, R. Vinodkumar, G. Palani	Cubic Magnified Translation on β –Subalgebras
B7	Prakasam Muralikrishna, Surya Manokaran	Structure of MBJ - Neutrosophic Set applied on β –Filter
B8	Blankson Henry, Chattamvalli Rajan	A Fast Prime-Factorization of Large Integers and Its Applications to Affine Ciphers
B9	A. Joseph Kennedy, P. Sundaresan	The G-vetex Colour Partition Algebra as a Centralizer Algebra of $An \times G$
B10	C. Jaya Subba Reddy, Ramoorthy Reddy	Commutativity of Prime Rings with Symmetric Biderivations Satisfying Certain Relations
B11	Neha Rai, Ram Krishna Pandey	Some Results on the Density of Integral Sets with Missing Differences
B12	Deepa Krishnamurthi	Matrices over Non-commutative Rings as Sums of Fourth Powers
B13	Gurmeet K. Bakshi, Gurleen Kaur	Connecting Monomiality Questions with the Structure of Rational Group Algebras
B14	L. Madhavi, Y. Rajasekhara Gowd	Quasi Factorable Incidence Functions
B15	Rahul Kaushik, Manoj K. Yadhav	Commutarias and Commutator Subgroup of finite p –groups

Date: **19 December 2020**

Time: **17:45 – 19:30**

Contributory Paper Presentations Session: **I**

Parallel Session: **II**

Link: <https://zoom.us/j/98944687152?pwd=cZlwRWVkbC9xM05aenh6SC9MSnA5QT09>

Meeting ID: **989 4468 7152**

Passcode: **628373**

Chairperson: **Prof. S. Srinivas**

Moderator: **Dr. Venkata Satyanarayana**

A. No	Author	Title
H1	Mrinmoy Goswami, Krishna Gopal Singha	A Study of Unsteady Magnetohydrodynamic Flow of An Incompressible, Viscous, Electrically Conducting Fluid Bounded By Two Non-Conducting Vertical Plates in Presence of Inclined Magnetic Field
H2	Mithilesh Singh	Nonlinear evolution of weak discontinuity waves in Darcy-type porous media
H3	Bikash Sahoo	On Swirling Flows Near Rotating Disks
H4	J.L. Ramaprasad, K.S. Balamurugan, B. Rushi Kumar	Heat and Mass Transfer Effects on Linearly Accelerated Isothermal Inclined Plate
H5	R. Meenakumari, P. Lakshminarayana	MHD Three-dimensional Flow of Powell Eyring Fluid over a Bidirectional Non-linear Stretching Surface with Temperature Dependent Conductivity, Heat Absorption/generation

H6	G. Kumaran, R. Sivaraj	Finite Difference Computation of Free Magneto-Convective Powell-Eyring Nanofluid Flow over a Permeable Cylinder with Variable Thermal Conductivity
H7	N. Raja, S. Saravanan	Coupled Radiative and Convective Heat Transfer in Enclosures
H8	R. VijayaKumar, Nirmala P. Ratchagar	Impact of Inclined Magnetic Field on the Peristaltic Flow of a Couple Stress Fluid with Heat Transfer
H9	S. Prakash, M. Subbiah	On the Azimuthal Shear Instability of Inviscid Incompressible Swirling Flows
H10	L. Padmavathi, S. Venkateswarlu, M. Suryanaryana Reddy	Numerical Study of an Electrically Conducting three-dimensional Casson Fluid Flow over Porous Elastic Sheet with Non-Uniform Heat Source/Sink and Soret Effect
H11	Shyam Sunder Iyer, M.J. Vedan	Effect of Viscoelasticity and Internal Current on Wave Attenuation
H12	Maraika Alexander, Sreedhara Rao Gunakala, Victor M. Job	Mathematical Model of MHD Flow and Heat Transfer between a Solid Rotating and Stationary Permeable Disk
H13	Nasru Sivakumar, B. Rushi Kumar, P. Durgaprasad	Radiative Newtonian Carreau Nanofluid through Stretching Cylinder Considering First Order Chemical Reaction
H14	A. Sumithra, R. Sivaraj	Bioconvective Flow of Eyring-Powell Fluid Suspended with Microorganisms in the Presence of Non-linear Thermal Radiation, Activation Energy and Variable Thermal Conductivity
H15	H. Thameem Basha, R. Sivaraj	Numerical Simulation of Blood Nanofluid Flow over Three Different Geometries by Means of Gyrotactic Microorganisms: Applications to the Flow of a Circulatory System

Date: **19 December 2020**

Time: **17:45 – 19:30**

Contributory Paper Presentations Session: **1**

Parallel Session: **III**

Link: <https://zoom.us/j/98453866270?pwd=L3lXWV2U0NGUWJCZ3ZiTmdsOFhFUT09>

Meeting ID: **984 5386 6270**

Passcode: **372435**

Chairperson: **Prof. Shruti Dubey**

Moderator: **Dr. T. Poornima**

A. No	Author	Title
E1	Martin Bohner, Sanket Tikare, Iguer Luis Domini dos Santos	First-Order Nonlinear Dynamic Initial Value Problems
E2	V. Murugan, R. Palanivel	An Uncountable, Measure Zero, Dense Set of Non-monotone Points of Continuous Functions
E3	Pallvi Mahajan	Stability and Boundedness Criteria for Impulsive Fractional Differential Equations in Caputo Sense with Initial Time Difference

E4	Jervin Zen Lobo	Classification of Delay Differential Equations with Constant Coefficients to Solvable Lie Algebras
E5	Gautem Patel, Kaushal Patel	A Study of the Reproducing Kernel Hilbert Space Method for Poor Nutrition in the Life Cycle
E6	Vijai Kumar Pathak, Lakshmi Narayan Mishra	Existence Assertion of Solution in the Space $l_p, p > 1$ for Fractional Infinite System of Integral Equations of Nonlinear Type
E7	Jagdish A. Nanware	Periodic Boundary Value Problem for System of Caputo Sequential Differential Equations of Fractional Order
E8	Amlan K. Halder, C.T. Duba, P.G.L. Leach	Solutions of Rossby Waves with Dissipation through Symmetries
E9	Sachin Kumar, Sandeep Malik	Optical Solitons with Generalized Third-order Nonlinear Schrödinger Equation via Lie Symmetry Analysis
E10	Kumbinarasaiah S	A Novel Technique for Solving the Higher-dimensional System of Nonlinear Coupled Partial Differential Equation
E11	M. Mohan Raja, V. Vijayakumar, R. Udhayakumar	A Result on the Approximate Controllability of Fractional Differential Equations of Order $1 < r < 2$
E12	Jaitha Sharma, Vishant Shah, Raju K. George	Existence and Uniqueness of Classical and Mild Solutions of Impulsive Fractional Evolution Equations
E13	C. Dineshkumar, R. Udhayakumar, V. Vijayakumar	On Approximate Controllability of a Class of Neutral Hilfer Fractional Stochastic Differential Systems by using Wright Function
E14	Nazia Urus, Amit Kumar Verma	An Effective Iterative Method and Existence Result for a Class of Second-order Four-point Nonlinear BVPs

Date: **19 December 2020**

Time: **17:45 – 19:30**

Contributory Paper Presentations Session: **1**

Parallel Session: **IV**

Link: <https://zoom.us/j/93345583316?pwd=RWQ0SWc0ZlN6NmtlTVB3RlF0bGZodz09>

Meeting ID: **933 4558 3316**

Passcode: **594652**

Chairperson: **Prof. A.K. Das**

Moderator: **Dr. Sunanda Saha**

A. No	Author	Title
F1	Nazir Ahmad Ahengar, J.K. Maitra	Some ξ -Pre-Continuous Maps
F2	Rajesh Kumar Tiwari, J.K. Maitra	p^* -Continuous Maps and its Generalization via Ideal
F3	Chandra Prakash Rathor	Intuitionistic Fuzzy Almost Generalized e-continuous Mappings
F4	U.S. Negi	Kaehlerian Spaces Admitting in H-Projective Vector Field with Constant Scalar Curvature

F5	Biplab Basak, Manisha Binjola	Lower Bounds for Regular Genus and Gen-complexity of PL 4-manifolds with Boundary
F6	Poonam Agrawal, J.K. Maitra	On Some Intuitionistic p –Sets and Intuitionistic q –Sets
F7	Punam Gupta	Comprehensive Quasi-Einstein Spacetime with Application to General Relativity
F8	T. Raghuwanshi, S.K. Pandey, M.K. Pandey, A. Goyal	On W_2 -Curvature Tensor of the Projective Semi-Symmetric Connection
F9	Pankaj Jain, Chandrani Basu, Vivek Panwar	On Selection of Generalized Continuous Multifunctions
F10	Lalita Verma, J.K. Maitra	On Somewhat Pairwise Fuzzy β Continuous Map
F11	Ajit Kumar Gupta, Saikat Mukherjee	On Nonempty Intersection Properties in Metric Spaces
F12	Shambhu Sharan	On Interval Type-2 Fuzzy Rough Sets and their Topological Structures
F13	Satya P. Maurya, S.K. Pandey, R.N. Singh	Space-time Admitting Generalized Conharmonic Curvature Tensor
F14	Sangeet Kumar	Some Geometric Estimates on Warped Product Lightlike Submanifolds of Indefinite Kaehler Manifolds
F15	Megha, Sangeet Kumar	Screen Generic Lightlike Submanifolds of Indefinite Nearly Kaehler Manifolds

Date: **19 December 2020**

Time: **18:00 – 19:30**

Contributory Paper Presentations Session: **2**

Parallel Session: **I**

Link: <https://zoom.us/j/92498758726?pwd=dUYrNWFTWFd6cU03WFNKaWJYdJtUT09>

Meeting ID: **924 9875 8726**

Passcode: **999082**

Chairperson: **Prof. R. Selvakumar**

Moderator: **Dr. S. Nandhini**

A. No	Author	Title
A1	Sujeet Kumar Chaturvedi, J.K. Maitra	Generalized Fuzzy P and Q-Continuous Maps
A2	R. Angelin Suba, K.R. Sobha	Some Properties of Bipolar Doubt Intuitionistic Fuzzy K-ideals in BCK/BCI-algebras
A3	Javaid Ahmad Shah, Rakesh Kumar Tripathi	A Real Life Problem in Decision Making using Hendecagonal Fuzzy Numbers
A4	K.U. Sreeja, P.B. Vinodkumar, P.B. Ramkumar	A Note on the Relationship between Julia Set and Independence Polynomial of a Graph

A5	Rakesh Kumar Tripathi, Showkat Ahmad Bhat	A Real Life Decision Making Problem as an Application of Fuzzy Logic
A6	A. Arul Devi, V. Thiruvani	Edge Chromatic Polynomials of S –valued Graphs
A7	S. Nivetha, M. Chandramouleeswaran	Blocks in a S –valued Semigraph
A8	Nivedha Baskar, Tabitha Agnes Mangam, Mukti Acharya	Characterization of Semi Splitting Block Graph
A9	R. Shankar, M. Nalliah	Local Vertex Antimagic Labeling for Disconnected Graphs
A10	T. Divya, S. Devi Yamini	Local Distance Antimagic Vertex Coloring of Graphs
A11	T. Yogalakshmi, S. Gurunathan	Topological Indices of the Clustered Graphs
A12	P. Jaish	A Note on Reversibility Related to Idempotents

Date: **19 December 2020**

Time: **18:00 – 19:30**

Contributory Paper Presentations Session: **2**

Parallel Session: **II**

Link: <https://zoom.us/j/91212667760?pwd=MUNRNvU0cXkza1pHQQTZSRXVvcVcrZz09>

Meeting ID: **912 1266 7760**

Passcode: **970885**

Chairperson: **Prof. G. Murugusundaramoorthy**

Moderator: **Dr. M.N. Srinivas**

A. No	Author	Title
C1	A.N. Metkari, N.D. Sangle, S.P. Hande	On Subclasses of Univalent Functions Defined By Opoola Differential Operator
C2	Sanjib Kumar Datta, Aditi Biswas	On Multiplication and Division Theorems of Entire Algebroidal Functions of their Relative Growth Indicators of Higher Index in the Light of p-adic Analysis
C3	K. Saritha, K. Thilagavathi	Bounds for Probability of the Generalized Distribution for Certain q-starlike and q-convex Error Functions Related to Shall-Shaped Region
C4	Leena Kathuria, Nikhil Khanna	Boas Transform of Wavelets and their Applications
C5	Gorachand Chakraborty	On Configurations of Five Periodic Herman Rings
C6	M. Thirucheran, C. Selvi	Convolution Conditions for New Subclass of Negative Analytic Functions Associated with Polylogarithm Functions Defined by Linear Differential Operator
C7	M. Thirucheran, A. Anand	Obtain Subclass of Multivalent Function Connected with Convolution of Polylogarithm Functions
C8	Sunil Joshi	On Extension of Mittag-Leffler Function
C9	Varsha Karanjaokar, Namrata Shrivastav	A Note on the Convergence of Wavelet Fourier Series

C10	M. Thirucheran, M. Vinoth Kumar	A New Subclass of Negative Multivalent Functions Involving Polylogarithm Functions
C11	Sanjib Kumar Datta, Ashima Bandyopadhyay	On the Study of Deficiencies of Differential Equation under the Flavour of p -adic Co-prime Polynomial
C12	Sanjib Kumar Datta, Sukalyan Sarkar, Ashima Bandyopadhyay, Lakshmi Biswas	Few Results on Relative (k,n) Valiron Defect from the View Point of Integrated Modult of Logarithmic Derivative of Entire and Meromorphic Functions

Date: **19 December 2020**

Time: **18:00 – 19:30**

Contributory Paper Presentations Session: **2**

Parallel Session: **III**

Link: <https://zoom.us/j/96539663050?pwd=UDdqOHRRaWl4WC9NaGJnbjB4N1VDQT09>

Meeting ID: **965 3966 3050**

Passcode: **36433**

Chairperson: **Prof. S. Sreenath**

Moderator: **Dr. A.N.S. Srinivas**

A. No	Author	Title
H16	M. Vinodkumar Reddy, P. Lakshminarayana	Cross diffusion and heat source effects on a three dimensional MHD flow of Maxwell nanofluid over a stretching surface with chemical reaction
H17	Narsimhulu Dunna, Ravilisetty Revathi	Similarity Solutions of One-dimensional MHD Shock Wave in a Non-Ideal Gas with the Effect of Viscosity
H18	S. Vigneshwaran, S. Saravanan	Gravity Effects on the Onset of Transient Convection in a Porous Medium
H19	Sarfraz Ahmed, Biju Kumar Dutta	A Study with Magnetic field on Stenosed Artery of Blood flow
H20	J. Prakash, R. Swetha, S. Vijaya Kumar Varma	Soret and Heat Generation Effects on an Unsteady Free Convective Flow Past an Exponentially Accelerated Plate with Constant Mass Flux
H21	K. Padmaja, B. Rushi Kumar	Dufour and Soret Effects on MHD Flow of Cu-water and Al_2O_3 -water Nanofluid Flow over a Permeable Rotating Cone
H22	Shaik Jakeer, P. Bala Anki Reddy	Entropy Generation on EMHD Stagnation Point Flow of Hybrid Nanofluid over a Stretching Sheet: Homotopy Perturbation Solution
H23	M. Kousalya, S. Saravanan	Natural Convection in a Nanofluid Saturated Porous Medium under Time-Periodic Gravity Modulation
H24	M. Chitra, S. Jeevitha	Soret and Dufour Effects on MHD Flow through the Porous Medium about a Rotating Vertical Cone in Presence of Thermal Radiation
H25	P. Vijayalakshmi, R. Sivaraj	Effective Thermal Conductivity and MHD Convection Flows of Non Newtonian Nanofluid from Horizontal Circular Cylinder
H26	V. Nagendramma	Cattaneo-Christov Heat Flux Model for MHD Sakiadis Flow of a Carreau Fluid Subject to Quartic Autocatalysis Chemical Reaction

H27	Sandra Jestine, B Mahanthesh	Significance of Nanoparticle Aggregation of Nanofluid flow in an Irregular Channel
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Date: **19 December 2020**

Time: **18:00 – 19:30**

Contributory Paper Presentations Session: **2**

Parallel Session: **IV**

Link: <https://zoom.us/j/92671937084?pwd=cmpucHpmdWljTmпиSnNRTmluL2lXZz09>

Meeting ID: **926 7193 7084**

Passcode: **806916**

Chairperson: **Prof. Joydip Dhar**

Moderator: **Dr. Hemadri Reddy Reganti**

A. No	Author	Title
I1	Anuraj Singh, Preeti Deolia	Bifurcation and Chaos in a Discrete Predator-Prey Model with Holling Type-III Functional Response and Harvesting Effect
I2	Tanuja Das, PK Srivastava, Anuj Kumar	Nonlinear Dynamical Behaviour of an \$SEIR\$ Mathematical Model: Effect of Information, Saturated Treatment and Time Delay
I3	B.V. Baby	Painleve Property Analysis of Self Interacting Four Species Food Chain Mathematical Model and its Generalization to N-Species
I4	Naba Kumar Goswami, B. Shanmukha	The Role of Media on the Dynamics of Zika Outbreak: A Modeling Approach
I5	Akhil Kumar Srivastav	Mathematical Model of Corona Virus (COVID-2019) with Limited Resources: A Case Study of India
I6	Chhama Awasthi	Effect of Catheter on Unsteady Fluid Flow through an Inclined Stenosed Artery
I7	Lintu M.K, Asha Kamath, Sudarsan N.S. Acharya	ICU domain adaptation on survival prediction models built with neural networks
I8	Chandrali Baishya	Analysis of a Modified Fractional Predator-Prey Model with Disease Infection
I9	Ishika Ahuja, K. Karthikeyan	Analysis of effect of Social Status on Depression by using Logistic regression
I10	Amit Sharma, Bhanu Gupta, Sanjay K. Srivastava	Mathematical Modeling of COVID-19 Pandemic Dynamics with Non-pharmaceutical Interventions as Control Strategy
I11	Md Golam Mortuja, Mithilesh Kumar Chaube, Santosh Kumar	Stability Analysis of a Predator-Prey System with Square Root Functional Response
I12	Naga Soundarya Lakshmi V.S.V, A. Sabarmathi	A Mathematical Study on Corona Virus Model with two Infectious States

Date: **20 December 2020** Time: **10:30 – 12:00**
 Contributory Paper Presentations Session: **3** Parallel Session: **I**
 Link: <https://zoom.us/j/94770657185?pwd=TFp4UDRldEILeGZ4eUkybFdTNG14UT09>
 Meeting ID: **947 7065 7185** Passcode: **315744**
 Chairperson: **Prof. Deepa Sinha** Moderator: **Dr. Ashish Kumar Prasad**

A. No	Author	Title
A13	Kanchana M, Kavitha K	Solving Transportation Problem using Graph algorithms
A14	R. Vignesh, Kalyani Desikan, A. Elamparithi	Results on Generalized Divisor Sum Function σ_η of Certain Standard Graphs
A15	V. Priyadharshini, M. Nalliah	Local Distance Antimagic Graphs
A16	S. Rajkumar, M. Nalliah	Local Edge Antimagic Labeling of Cycle Related Graphs
A17	Shayathri Linganathan, Purusotham Singamsetty	Genetic Algorithm to the Biobjective Multiple Travelling Salesman Problem
A18	M. Reddappa, C. Jaya Subba Reddy, B. Maheswari	Signed Roman Domination in an Interval Graph with Adjacent Cliques of Size 3
A19	C. Sankari	Claw-decomposition of Kneser Graphs
A20	M.R. Raksha, C. Dominic	On the Zero Forcing Number of Complementary Prism graphs
A21	Subhash Mallinath Gaded, Nithya Sai Narayana	Edge Chromatic number of Zero-divisor graphs of some Semi-local rings
A22	Divya Antoney, Tabitha Agnes Mangam, Mukti Acharya	S-cordial and Total S-Cordial Labeling in Signed Graphs
A23	Amruta Shinde, Y.M. Borse	A Note on Edge-fault Tolerance in Augmented Cubes

Date: **20 December 2020** Time: **10:30 – 12:00**
 Contributory Paper Presentations Session: **3** Parallel Session: **II**
 Link: <https://zoom.us/j/95168642691?pwd=STAxHVUMXRIRIR5TkhnYjVzMlBhZz09>
 Meeting ID: **951 6864 2691** Passcode: **874192**
 Chairperson: **Prof. S.P. Tiwari** Moderator: **Dr. Sanjay Kumar Mohanty**

A. No	Author	Title
C13	Sanjib Kumar Datta, Dipankar Pal, Rakesh Sarkar, Arghyatanu Manna	Common Fixed Point Theorems for a Pair of Mappings in Bicomplex Valued Metric Spaces

C14	Chandrani Basu, Pankaj Jain, Vivek Panwar	On g –Mellin Transform: Construction, Convexity and Applications
C15	Sanjib Kumar Datta, Rakesh Sarkar, Nityagopal Biswas, Jayanta Saha	Common Fixed Point Theorems for Three Self Mapping in Bicomplex Valued Metrix Spaces
C16	Sanjib Kumar Datta, Rakesh Sarkar , Nityagopal Biswas, Ashima Bandyopadhyay	Some Common Fixed Point Theorems in Bicomplex Valued Metric Spaces under both Rational type Contraction and Coupled Fixed Point Mappings
C17	Ekta Mittal	A Study of Extended Beta function with its Applications
C18	Sanjib Kumar Datta, Tanchar Molla, Mukul SK , Jayanta Saha	On the Location of Zeros of Transcendental Entire Functions
C19	Sanjib Kumar Datta, Tanchar Molla, Mukul SK, Tandra Sarkar	On the Generalization of Enström-Keakeya Theorem for Entire Functions
C20	K. Vijaya, V. Malathi	Inclusion Relation between Subclass of Pascu Type Harmonic Functions Based on Mittag-Lefflar Functions
C21	Santosh M. Popade , Rajkumar N. Ingle, P. Thirupathi Reddy	Certain Subclass of Meromorphic Functions Associated with Bessel Function
C22	Sanjib Kumar Datta, Sukalyan Sarkar , Lakshmi Biswas, Ashima Bandyopadhyay	On Relative Defects of Special type of Differential Polynomial in Connection with their Integrated Moduli of Logarithmic Derivative
C23	Debasmita Dutta , Satavisha Dey, Sukalyan Sarkar, Sanjib Kumar Datta	Bicomplexial Approach of Some Well Known Result In Complex Analysis
C24	V. Suman Kumar , R.B. Sharma	Zalcman Conjecture and Hankel Determinant of Order Three for Reciprocal of Bounded Turning Functions and α –Convex Functions Associated with Exponential Function

Date: **20 December 2020**

Time: **10:30 – 12:00**

Contributory Paper Presentations Session: **3**

Parallel Session: **III**

Link: <https://zoom.us/j/91610893048?pwd=TEovcW4yN0cyam10KzljWmp0K2R4QT09>

Meeting ID: **916 1089 3048**

Passcode: **821798**

Chairperson: **Prof. Ajay Shukla**

Moderator: **Dr. S. Sharief Basha**

A. No	Author	Title
D1	Sumit Som	A generalization of the density zero ideal
D2	Pabitra Kumar Jena	A note on Toeplitz, Hankel and Composition operators on the Bergman space
D3	G. Ayyappan, B. Somasundaram, G. Archana, S. Sankeetha	Analysis of Retrial Queueing System with Two Way Communication, Working Breakdown and Collision
D4	Shikhar Chandra	Simulation of Markov Chain Monte Carlo Method for Analysis of Sunspot Cycles
D5	Ashis Bera, Ankush Chanda, Lakshmi Kanta Dey	Iterative approximation of common fixed points with simulation results in Banach spaces
D6	Rajan Chattamvelli	The Mean Deviation Generating Functions and a New Measure of Dispersion
D7	Dinesh Tripathi, Deepa Arora	Inequality for Maximum Modulus of Rational Functions
D8	Monika Singh	Associate space of grand Bochner Lebesgue spaces without Radon–Nikodým property
D9	Arun Pal Singh	Rubio de Francia Extrapolation Theorem in Variable Lebesgue Spaces
D10	G. Ayyappan, K. Thilagavathy	Analysis of $M MAP / PH_1, PH_2 / 1$ Pre-emptive Priority Retrial Queueing System under Constant Retrial Policy with Orbital Search, Standby Server, Vacation, Impatient Behavior of Customers, Breakdown and Repair
D11	C. Thangaraj, D. Easwaramoorthy	Fractals in Controlled Hausdorff Metric Space

Date: **20 December 2020**

Time: **10:30 – 12:00**

Contributory Paper Presentations Session: **3**

Parallel Session: **IV**

Link: <https://zoom.us/j/96006506960?pwd=enBRUG91WVRMOC9YOUiKa3N4UkJPZz09>

Meeting ID: **960 0650 6960**

Passcode: **124800**

Chairperson: **Prof. Jitendra Kumar**

Moderator: **Dr. T. Praveen**

A. No	Author	Title
G1	N. Sathya Kumar, R. Nageshwar Rao	A Fitted Galerkin Finite Element Method for Singularly Perturbed Differential Equations with a Small Negative Shift

G2	Sarita Nandal, Dwijendra N. Pandey	Numerical Solution for Fractional Variable-order Differential Equation with Delay
G3	Saginta Dey, B.V.R. Kumar	A Fixed Point Approach to the Existence-Uniqueness of Coupled-Elliptic Nonlinear Partial Differential for Convection in Porous Media
G4	Madhulika Shukla, J.K. Maitra	On Fuzzy Contra $g^* \beta$ -Continuous Functions
G5	Renu Saini	Generalized Differential Quadrature Method for Vibration Analysis of Non-homogeneous Orthotropic Thin Rectangular Plates
G6	Rahul Shukla, Purshottam Narain Agrawa	Power Series Convergence Method for an Operator Based on Multivariate q –Lagrange Polynomials
G7	Jogendra Kumar	A Novel Two Steps Numerical Method to Solve Non-linear Equations
G8	Mukesh Kumar Rawani, Amit Kumar Verma	A Numerical Scheme based on Haar Wavelet Nonstandard Finite Difference Method for the Solution of a Class of Generalized Burgers' Equation
G9	Biswajit Pandit, Amit Kumar Verma	An Effective Numerical Technique to Solve Lane-Emden Equations based on the Galerkin Finite Element Method
G10	Narendra Kumar, Amit K. Verma	Application of Haar Wavelet on a Class of System of Coupled Lane-Emden Equation
G11	Ezilmaran D, Vinoth Indira D	Contour based Analysis for Image Classification
G12	Sheerin Kayenat, Amit K. Verma	Exact and Nonstandard Finite Difference Schemes for the Generalized Form of Burgers Fisher Equation

Date: **20 December 2020**

Time: **10:30 – 12:00**

Contributory Paper Presentations Session: **3**

Parallel Session: **V**

Link: <https://zoom.us/j/92823274803?pwd=VVlJM3Q3NEJ4NERQWS9UZUY4bEZoZz09>

Meeting ID: **928 2327 4803**

Passcode: **887511**

Chairperson: **Prof. P. Muthu**

Moderator: **Dr. S. Balaji**

A. No	Author	Title
I13	P. Vinothini, K. Kavitha	Dynamical Behaviors of Fuzzy Prey Predator in SIR Epidemic Model
I14	Sindhu J Achar, Chandrali Baishya	Dynamics of Fractional Illicit Drug Consumption Model with Holling Type-III Functional Response
I15	Ananya Das, Subhashis Chatterjee	A Robust Technique for Brain Tumor Detection Using Type-II Fuzzy Logic
I16	Divya B, Kavitha K	Dynamics in a Prey-Predator Model with Susceptible-Infected-Recovered (SIR) Epidemic Disease in the Prey
I17	Suresh Rasappan	The Difference Equation Based Mathematical Model for Life-Cycle of Host-Parasitoid Systems

I18	M.S. Bhuvanewari, B.S.R.V. Prasad	Dynamics of IGP System with Provision of Additional Food to both Prey and Predator
I19	Keshav Kumar K	Describing Tumour Growth through Mathematical Modelling
I20	Rajrupa Singh, Selvakumar R	Ring Construction for Error Correcting Codes using Jacobson Radical: A Coding Theoretic Model for Genetic Sequence Analysis
I21	M.A. Khanday	Compartment Modelling and eigenvalue Expansion to Study the Drug Concentration in Capillary and Tissue Regions Surrounding the Malignant Tumour
I22	D. Karthika, K. Karthikeyan	Forecasting Electric Energy Consumption in India using Univariate Time-Series Analysis
I23	Thejineaswar Guhan, K. Karthikeyan	Analysis of Lap Times in Formula-1 Motorsport due to Regulation Changes using Polynomial Regression

Date: **20 December 2020**

Time: **14:00 – 15:30**

Contributory Paper Presentations Session: **4**

Parallel Session: **I**

Link: <https://vit-ac->

in.zoom.us/j/94313928229?pwd=endUeCtzQ1FDYU8ydHlwRjRWYkZvdz09

Meeting ID: **943 1392 8229**

Passcode: **695111**

Chairperson: **Prof. S. Ahmed Ali**

Moderator: **Dr. B. Venkateswarllu**

A. No	Author	Title
C25	Sanjib Kumar Datta, Dipankar Pal, Rakesh Sarkar, Arghyatanu Manna	On a Common Fixed Point Theorem in Bicomplex Valued b –metric Space
C26	Satavisha Dey, Debasmita Dutta, Surajit Hazra, Sanjib Kumar Datta	Some Exceptional Value Theorems of Entire Functions Under the Treatment of Bicomplex Analysis
C27	Syed Papia Nawaz, V.R. Lakshmi Gorty	Fractional Fourier transforms with the Flip Operator
C28	Sushil Kumar	Starlike Functions Associated with the Parabolic Region in the Right Half Plane
C29	G.M. Birajdar, N.D. Sangle	Certain Subclass of Analytic Function with Negative Coefficients Defined by Catas Operator
C30	Lateef Ahmad Wani, Anbhu Swaminathan	Analytic Functions of Complex Order Involving Hadamard Product
C31	Nityagopal Biswas	Growth Properties of Solutions of Linear Difference Equations with Coefficients Having Finite Logarithmic Order
C32	Subhasis Ghora, Tarakanta Nayak	Implications of Baker Omitted Value

C33	Renukadevi Sangappa Dyavanal	Existence of Entire Solutions of Difference Equations
C34	Bivek Gupta, Amit K. Verma	Fractional Wavelet Transform in R^n
C35	Sanjib Kumar Datta, Tanchar Molla, Mukul SK, Jayanta Saha	A note on the bicomplex version of Enström-Keakeya theorem
C36	K. Amarender Reddy, G.Murugusundaramoorthy, K.R. Karthikeyan	Inequalities for the Maclaurin's coefficients of spirallike functions involving q –differential operator

Date: **20 December 2020**

Time: **14:00 – 15:30**

Contributory Paper Presentations Session: **4**

Parallel Session: **II**

Link: <https://zoom.us/j/94386656983?pwd=TmpQM0xzYWx0NXJjUEJMcVV1dVFhdz09>

Meeting ID: **943 8665 6983**

Passcode: **625794**

Chairperson: **Prof. P.K. Jain**

Moderator: **Dr. S. Purushotham**

A. No	Author	Title
D12	Aakanksha Singhal, D.K. Sharma	New Generalized 'Useful' Entropies using Weighted Quasi-linear Mean with Utility
D13	V. Inthumathi, A. Gnanasoundar	An Application of Intuitionistic Fuzzy Multisets in an Investment Decision Making Problem
D14	Gursimran Kaur, Meenakshi	Δ^m -Statistical Convergence of Order α of generalized difference sequences in Probabilistic Normed Spaces
D15	Amit Sharma, Reeta Bhardwaj, Kamal Kumar, Naveen Mani	Distance functions (π, β) and a fixed point result in ordered metric spaces
D16	S. Karpagam	Bulk service queueing system with multiple vacation and remaining service by standby server during the breakdown period
D17	G. Ayyappan, G. Archana, S. Sankeetha	Analysis of $MAP_1^I, MAP_2^O / PH_1^I, PH_2^O / 1$ Retrial Queue with Single Vacation, Closedown, Setup, Optional Service, Balking and Two Way Communication
D18	Priyanka Grover, Sushil Singla	Best approximations, distance formulas and orthogonality in C^* –algebras
D19	G. Ayyappan, R. Gowthami	A study on $MAP / PH_1, PH_2 / 2$ queue with unreliable servers and vacation
D20	G. Ayyappan, S. Sankeetha, Archana Gurulakshmi	$MAP / PH(1), PH(2) / 2$ with interaction, multiple vacation and repair

D21	Haribhai R. Kataria, Prakashkumar H. Patel, Vishant Shah	On Existence Results of Generalized Evolution Equation with Non-Instantaneous Impulses over the Banach space
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Date: **20 December 2020**

Time: **14:00 – 15:30**

Contributory Paper Presentations Session: **4**

Parallel Session: **III**

Link: <https://zoom.us/j/92904323263?pwd=dU03TWN4R1Jha2x3ZGIHRzFIODhmQT09>

Meeting ID: **929 0432 3263**

Passcode: **730391**

Chairperson: **Prof. P.V.S.N. Murthy**

Moderator: **Dr. D. Kalpana Priya**

A. No	Author	Title
H28	G. Lakshmi Devi, H. Niranjana	Effects of MHD and Electro-Magnetic Fields in Nanofluid over a Stretching Sheet
H29	Gayathri, S. Pranesh	The Study of Rayleigh- Bénard Convection in Vertically Oscillating Hybrid Nanoliquids
H30	Mariya Helen Mercy JK, V. Prabhakar	Analysis of Fluid Flow in Triangular Cavity using FEM
H31	R.L.V. Renuka Devi	The Effect of The Viscosity of OHE Porous Solid on OHE Parallal Plate Channal Flow of Ree-Eyring Liquid when the Dividers are Provided with Non-Erodible Porous Lining
H32	A. Subramanyam Reddy, S. Srinivas	Wall Slip Effects on Nanofluid Flow in a Porous Channel
H33	Maria Anncy, Joseph T V, Pranesh S	Effect of Heat Transfer in a Micropolar Fluid on the Onset of Rayleigh- Bénard -Chandrasekhar Convection with Porous Medium under Time Periodic Boundary Temperature and Internal Heat Source
H34	A. Neeraja, R.L.V. Renuka Devi, N. Bhaskar Reddy	MHD Combined Convection Flow over a Moving Non-Isothermal Vertical Plate with Soret and Dufour Effects and Viscous Dissipation
H35	S. Pranesh, P.G. Siddheshwar, Ansa Mathew	Triple Diffusive Convection in Temperature and Electric Field Dependent Variable Viscosity in a Newtonian Dielectric Liquid with Internal Heat Source
H36	Meghana J, Pranesh S	Linear and Non-Linear Analysis of Internal Heat Modulation on Rayleigh- Bénard Convection in Ferromagnetic Liquids with Couple Stress
H37	Ansa Mathew, S. Pranesh, P.G. Siddheshwar	Linear and Nonlinear Analysis of Two-frequency Time-periodic Boundary Temperature on Rayleigh-Bénard Convection
H38	Prakash R, Jayalatha G, Siddheshwar P.G, Sekhar G.N	Nonlinear Rayleigh- Bénard Convection in Variable Viscosity Ferromagnetic Liquids

H39	Parameswaran R, M.J. Vedan	Analytic Solution of Bloch Equation for a Time Varying Magnetic Field in the Transverse Direction
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Date: 20 December 2020 **Time: 14:00 – 15:30**
Contributory Paper Presentations Session: 4 **Parallel Session: IV**
Link: <https://zoom.us/j/98282466814?pwd=WnBVc1VNbTNvZkpQVDJTMkJtMWMvZz09>
Meeting ID: 982 8246 6814 **Passcode: 754377**
Chairperson: Prof. Meenakshi Wasadikar **Moderator: Dr. K. Palinivel**

A. No	Author	Title
I24	R. Pavithra, K. Karthikeyan	An EPQ Model for Delayed Deteriorating Items with Time Dependent Cubic Demand and Shortages
I25	R. Saravanan, M. Valliathal	Hexadecagonal Fuzzy Transportation Problem
I26	M. Deepa, K. Julia Rose Mary	Tandem Fluid Model Driven by an \$MX/M/1\$ Queue Subject to Balking and Vacations
I27	G. Viji, K. Karthikeyan	An Economic Production Quantity Model for Three Levels of Production with Weibull Distribution Deterioration and Shortage under Inflation
I28	Gunda Srinivasa Rao	Recent Trends of Applications of Business Analytics using Operations Research
I29	Jayanth Kumar Thenepalle, Purusotham Singamsetty	Solving Open Travelling Salesman Subset-Tour Problem through a Hybrid Genetic Algorithm
I30	K.R. Sobha	Analysis of Intuitionistic Fuzzy Transportation Problem
I31	S. Vennila, K. Karthikeyan	An Economic Order Quantity model with Reverse Logistics inventory model in circular economy
I32	P. Indumathi, K. Karthikeyan	Review Article on Queueing Inventory Models
I33	K. Valli, P. Rajendran	Bargaining of a Wholesale Price for an Optimal Manufacturer with a Retailer in a One-Channel Supply Chain
I34	M. Mubashir Unnissa, D. Kalpanapriya	Modelling of Deteriorating Systems Using Fuzzy Warranty Cost with Preventive Repairs
I35	E.R. Meena Kumari, M. Thirucheran	Rough Hesitant Bipolar Neutrosophic Linear Programming Problem
I36	Sumathi P, Viswanatha Reddy G, Purushotham S	Lexi-Search approach for the Three Index Assignment Problem
I37	Venkata Kalyani U, T. Eswarlal	Bipolar Vague ELECTRE 1 method for MCDM problems

Date: 20 December 2020

Time: 14:00 – 15:30

Contributory Paper Presentations Session: 4

Parallel Session: V

Link: <https://zoom.us/j/94086678749?pwd=YU8zSGd4dWV6bW90THFoRkd1VE5VUT09>

Meeting ID: 940 8667 8749

Passcode: 924607

Chairperson: Prof. S.K. Tomar

Moderator: Dr. K. Jagadeesh Kumar

A. No	Author	Title
H40	J.S. Wath, A.S. Nimkar	Stability of Microscopic Body Cosmological Model in Barber Self-Creation Theory of Gravitation
H41	A.M. Pund, P.M. Lambat	Bianchi Type-III Cosmological Model Barber Self-Creation Theory of Gravitation
H42	Shouvik Sadhukhan, Alokananda Kar	Exact solution for Cosmological constant problem, Variable Gravitational Constant Problem and other Cosmological Problems and the Continuity between Anisotropic and Isotropic Cosmology with Single type of Scalar Field and Scale Factor
H43	S.R. Hadole, A.S. Nimkar	Bianchi Type VI ₀ String Cosmological model in Lyra's Manifold
H44	S.C. Wankhade, A.S. Nimkar	Wet Dark Fluid Cosmological Model In Barber Self-Creation Theory Of Gravitation
H45	A.S. Nimkar	Stability of Bianchi Type-IX Cosmological Model in Brans -Dicke Theory of Gravitation
H46	Alokananda Kar, ShouvikSadhukhan	Hamiltonian Formalism of Bianchi Type 1 Model for Different types Cosmic Fluid and Effect of Bulk Viscosity on Quintessence Model and Scalar Field Potential
H47	Ajmeera Chandulal	Propagation Of Stoneley Waves In Non-Local Elastic Medium
H48	M.K. Pal, A.K. Singh	Remarks On The Dynamic Responce Of Irregular Orthotropic Viscoelastic Half-Space Subjected To a Moving Line Load
H49	Rakhi Tiwari	Investigation of thermal excitation induced by laser pulses and thermal shock in the half space medium with variable thermal conductivity
H50	Sharmistha Rakshit, Anirban Lakshman, Kshitish Ch. Mistri	Investigation on SH-wave propagation in a porous piezoelectric composite with mechanically and electrically perfect interfacial boundaries
H51	E. Rama	Study of torsional problem in Micro-isotropic, Micro-elastic solid