

**Academic Programme**  
**International Conference on Dynamical Systems and Numerical Methods**  
**Department of Mathematics, Jamia Millia Islamia, New Delhi-110025, India.**  
**(ICDSNM-22)**  
**May 20-21, 2022**

Friday, May 20, 2022 Time (IST)	Events	
14:30-15:30	<b>Inaugural Function</b> <b>Google meet link:</b> <a href="https://meet.google.com/ezz-pfdt-xvu">https://meet.google.com/ezz-pfdt-xvu</a> <b>Chief Guest:</b> Padam Shri Prof. Najma Akhtar, Hon'ble Vice Chancellor, Jamia Millia Islamia <b>Guest of Honour(s):</b> Prof. Nazim Husain Al-Jafri, Registrar, Jamia Millia Islamia : Prof. Seemi Farhat Basir, Dean, Faculty of Natural Science <b>Chairman/HoD:</b> Prof. Ayub Khan <b>Convener</b> : Prof. Arshad Khan	
15:30-15:45	Break	
	<b>Plenary Speakers</b> <b>Google meet link:</b> <a href="https://meet.google.com/sfj-agvz-fqu">https://meet.google.com/sfj-agvz-fqu</a>	
15:45-16:20	<b>Chairperson: Prof. Nita H. Shah</b> <b>Prof. Karloy Simon</b> <i>(Title: Continuous Piecewise Linear Iterated Function Systems on the line)</i>	
16:20-16:55	<b>Prof. Higinio Ramos</b> <i>(Title: Numerical solution of the Buckmaster equation using block methods)</i>	
16:55-17:10	Break	
	Invited Speakers	
	<b>Chairperson: Prof. Higinio Ramos</b> <b>Google meet link:</b> <a href="https://meet.google.com/sfj-agvz-fqu">https://meet.google.com/sfj-agvz-fqu</a>	<b>Chairperson: Prof. Karloy Simon</b> <b>Google meet link:</b> <a href="https://meet.google.com/asn-keuo-ryj">https://meet.google.com/asn-keuo-ryj</a>
17:10-17:35	<b>Prof. Constantinos Siettos</b> <i>(Numerical Solution of the forward and Inverse Problem in Complex systems modelling with physics informed random projection machine learning)</i>	<b>Prof. S. Natesan</b> <i>(An efficient DWR-type a posteriori error bound of SDFEM for singularly perturbed 2D elliptic BVPS)</i>
17:35-18:00	<b>Prof. Patricia J. Y. Wong</b> <i>(A new approximation for generalized fractional derivative and its application in solving generalized time-fractional diffusion equations)</i>	<b>Prof. Nita H Shah</b> <i>(Mathematical Model of the Biometric System of Fingerprint)</i>
18:00-18:25	<b>Dr. Amit K. Verma</b> <i>( Non-Standard Finite difference schemes)</i>	<b>Prof. B. N. Mandal</b> <i>(Numerical Solution of Love's Integral Equation arising in Electrostatics)</i>
18:25-18:40	Break	

Contributed Speakers			
Friday, May 20, 2022 Time (IST)	Parallel Session-I Chair: Prof. Dinesh Khattar <b>Google meet link:</b> <a href="https://meet.google.com/sfj-agvz-fqu">https://meet.google.com/sfj-agvz-fqu</a>	Parallel Session-II Chair: Prof. Swarn Singh <b>Google meet link:</b> <a href="https://meet.google.com/asn-keuo-ryj">https://meet.google.com/asn-keuo-ryj</a>	Parallel Session-III Chair: Prof. Shehzad Hasan <b>Google meet link:</b> <a href="https://meet.google.com/nso-xyrm-sea">https://meet.google.com/nso-xyrm-sea</a>
18:40-18:50	Ajay Kumar	Mohmad Ausif Padder	Kritika
18:50-19:00	Chetna Biswas	Shiv Shankar Chouhan	Sapna Baluni
19:00-19:10	Ram Pratap Chauhan	R. L. Narayana Charyulu	Sunny Singh
19:10-19:20	Vivek Kumar	Parveen Kumar	Akanksha Saxena
19:20-19:30	Ekansh Mallik	Arun Bali	S Lavanya
19:30-19:40	Kavita Sakure	Geetika	Dr. Naved Akhtar

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Saturday May 21, 2022 Time (IST)	<b>Events</b>		
	<b>Invited Speakers</b>		
9:30-9:55	<b>Chairperson: Prof. S. M. K. Haider</b> <b>Google meet link:</b> <a href="https://meet.google.com/sfj-agvz-fqu">https://meet.google.com/sfj-agvz-fqu</a> <b>Prof. Jalil Rashidinia</b> <i>(Application of Sinc on the Multi-Order Fractional Differential Equations)</i>	<b>Chairperson: Prof. B. N. Mandal</b> <b>Google meet link:</b> <a href="https://meet.google.com/asn-keuo-ryj">https://meet.google.com/asn-keuo-ryj</a> <b>Prof. Rashmi Bhardwaj</b> <i>(Neuronal Wavelet Hybridized Modelling of COVID-19)</i>	
9:55-10:20	<b>Prof. Shobha Bagai</b> <i>(Application of Keller Box Method to Fluid Flow and Heat Transfer)</i>	<b>Prof. L. M. Saha</b> <i>(Evolution, Chaos, Complexity &amp; Chaos Control Techniques)</i>	
10:20-10:45	<b>Prof. Swarn Singh</b> <i>(Application of finite difference method to investigate the temperature distribution in multilayered skin structure)</i>	<b>Prof. M. Sajid</b> <i>(Fractals and Chaos in Dynamical Systems and Numerical Methods)</i>	
10:45-11:00	<b>Break</b>		
	<b>Contributed Speakers</b>		
	<b>Parallel Session-IV</b>	<b>Parallel Session-V</b>	<b>Parallel Session-VI</b>
	<b>Chair: Prof. Rajiv Aggrawal</b> <b>Google meet link:</b> <a href="https://meet.google.com/sfj-agvz-fqu">https://meet.google.com/sfj-agvz-fqu</a>	<b>Chair: Dr. Taqseer Khan</b> <b>Google meet link:</b> <a href="https://meet.google.com/asn-keuo-ryj">https://meet.google.com/asn-keuo-ryj</a>	<b>Chair: Prof. M. Yahya Abbasi</b> <b>Google meet link:</b> <a href="https://meet.google.com/nso-xyrm-sea">https://meet.google.com/nso-xyrm-sea</a>
11:00-11:10	Pawan Kumar Shaw	Vidhi Chhillar	Jayabarathy. G
11:10-11:20	Khushbu Agrawal	Satpal Singh	Md Arzoo Jamal
11:20-11:30	J. Thiravidarani	Reetika Chawla	Capt. M.S.V.D.SUDARSAN
11:30-11:40	Anu Aggarwal	Dr. Akmal Raza	Dr. Zubair Khan
11:40-11:50	Nidhi Prabhakar	Mamta	Dr. Feeroz Babu
11:50-12:00	Mukesh Gupta	Jaya Gupta	Mohd Kashif
12:00-12:10	Nawaj Sarif	Renu Choudhary	Tahera Begum
12:10-12:20	R. Nagarathinam	Komal Deswal	Dr. Javid Iqbal
12:20-12:30	Dr. Shahna Khan	Sabiha Bakhtawar	K.Narasimharao
12:30-12:40	Sonia Arora	Shivam Shukla	Sajjad Hussain Dar
12:40-12:50		Bhagya Laxmi Koyada	Dr. Harindri Chaudhary

<b>Plenary Speakers</b>	
<b>Google meet link: <a href="https://meet.google.com/sfj-agvz-fqu">https://meet.google.com/sfj-agvz-fqu</a></b>	
14:30-15:05	<b>Prof. R.K. Mohanty</b> <i>(High Accuracy Compact ADI Method for 2D Transmission Line Equation on an Unequal Mesh)</i>
15:05-15:40	<b>Prof. Dumitru Baleanu</b> <i>(SOME GENERALIZED FRACTIONAL OPERATORS APPLIED IN MATHEMATICAL BIOLOGY)</i>
15:40-15:50	<b>Break</b>

<b>Invited Speakers</b>	
<b>Chairperson: Prof. Dumitru Baleanu</b> <b>Google meet link: <a href="https://meet.google.com/sfj-agvz-fqu">https://meet.google.com/sfj-agvz-fqu</a></b>	
<b>Chairperson: Prof. Shobha Bagai</b> <b>Google meet link: <a href="https://meet.google.com/asn-keuo-ryj">https://meet.google.com/asn-keuo-ryj</a></b>	
15:50-16:15	<b>Dr. Navnit Jha</b> <i>(Fractal boundary value problems and its numerical treatment)</i>
	<b>Prof. Kapil K. Sharma</b> <i>(Numerical Methods for Singularly Perturbed Problems)</i>

<b>Contributed Speakers</b>			
	<b>Parallel Session-VII</b>	<b>Parallel Session-VIII</b>	<b>Parallel Session-IX</b>
	<b>Chair: Dr. Navnit Jha</b> <b>Google meet link:</b> <a href="https://meet.google.com/sfj-agvz-fqu">https://meet.google.com/sfj-agvz-fqu</a>	<b>Chair: Dr. Izhar Uddin</b> <b>Google meet link:</b> <a href="https://meet.google.com/asn-keuo-ryj">https://meet.google.com/asn-keuo-ryj</a>	<b>Chair: Prof. L.M. Saha</b> <b>Google meet link:</b> <a href="https://meet.google.com/nso-xyrm-sea">https://meet.google.com/nso-xyrm-sea</a>
16:30-16:40	Akanksha Bhardwaj	Samad Mujahid	Md Sarijul Islam
16:40-16:50	Dr. Poonam Jorwal	Uzair Ahmed	Abhishek Kumar
16:50-17:00	Dr. Pushali	Mohammad Prawesh Alam	Dr. Uzma Nigar
17:00-17:10	Dr. Talat Sultana	Mo Faheem	Sushma
17:10-17:20	Pankaj Gulati	Shikha Verma	Shadab Ali

17:20-17:45	<b>VALEDICTORY FUNCTION</b> <b>Google meet link: <a href="https://meet.google.com/sfj-agvz-fqu">https://meet.google.com/sfj-agvz-fqu</a></b>
	<b>Certificate will be sent through email</b>