



Tentative Program Schedule 3rd International Conference on Advanced Functional Materials & Devices (AFMD-2025) for Sustainable Development



Day 1 (AFMD-2025) March 03, 2025 Venue: Multipurpose Hall, ARSD College

Timing (IST)	Event				Total time				
8:30 AM	Registration								
10:00 AM - 11:00 AM	Inaugural Function (Lamp Lighting & Kulgeet)				60 minutes				
	Welcome & Opening Remarks: Dr. Anjali Sharma & Dr. Shankar Subramanian, Convener, AFMD-2025								
	About IQAC: Prof. Vinita Tuli, IQAC Coordinator, ARSD College								
	Welcome Address: Prof. Gyantosh Kr. Jha, Principal, ARSD College								
	Presided by Prof. Mahima Thakur, Chairperson, Governing Body								
	Address by Guest of Honour:								
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Prof. A.S. Rao, Vice Chancellor, Vikram Simhapuri University (A.P)</td> <td style="width: 50%;"></td> </tr> <tr> <td>Dr. D. S. Rawal, Joint Director, SSPL., DRDO New Delhi</td> <td></td> </tr> <tr> <td>Prof. Anil Aneja, Treasurer, ARSD College</td> <td></td> </tr> </table>				Prof. A.S. Rao, Vice Chancellor, Vikram Simhapuri University (A.P)		Dr. D. S. Rawal, Joint Director, SSPL., DRDO New Delhi		Prof. Anil Aneja, Treasurer, ARSD College	
Prof. A.S. Rao, Vice Chancellor, Vikram Simhapuri University (A.P)									
Dr. D. S. Rawal, Joint Director, SSPL., DRDO New Delhi									
Prof. Anil Aneja, Treasurer, ARSD College									
Address by Chief Guest: Dr. Vikas Gupta, Registrar, University of Delhi									
Vote of Thanks & National Anthem									
11:00 AM - 11:30 AM	Tea Break				30 minutes				
11:30 AM - 12:30 PM	Plenary Talk-1: Dr. R. K. Kotnala <i>Head (former), Environmental Sciences & Biomedical Metrology Division & Chief Scientist (Ex); CSIR-NPL, National Physical Laboratory, New Delhi</i>				60 minutes				
12:30 PM - 01:15 PM	Keynote Speaker 1: Prof. Monika Tomar, <i>Department of Physics, Miranda House, University of Delhi</i>				45 minutes				
01:15 PM - 02:00 PM	Lunch Break				45 minutes				
(Invited Talks)									
Session 1			Session 2						
Venue: Multipurpose Hall, ARSD College			Venue: Seminar Hall-1, ARSD College						
02:00 PM - 02:30 PM	IT-1	Prof. Manish Kumar <i>Department of Biophysics, University of Delhi South Campus</i>	IT-3	Dr. Upendra Mittal <i>Solid State Physics Laboratory, New Delhi</i>	30 minutes				
02:30 PM - 03:00 PM	IT-2	Prof. Ram Singh <i>Department of Applied Chemistry, Delhi Technological University</i>	IT-4	Dr. Vidur Raj <i>Founder of Qanastra Pvt Ltd.</i>	30 minutes				
(Oral Presentations)									
Timings		Session 1		Session 2		Total time			
		Venue: Multipurpose Hall, ARSD College		Venue: Seminar Hall-1, ARSD College					
03:00 PM - 03:10 PM		OT-1		OT-07		10 minutes			
03:10 PM - 03:20 PM		OT-2		OT-08		10 minutes			
03:20 PM - 03:30 PM		OT-3		OT-09		10 minutes			
03:30 PM - 03:40 PM		OT-4		OT-10		10 minutes			
03:40 PM - 03:50 PM		OT-5		OT-11		10 minutes			
03:50 PM - 04:00 PM		OT-6		OT-12		10 minutes			

High Tea 04:00 PM - 04:30 PM

(PP-01 to PP-50) Poster Session 04:00 PM - 05:00 PM

Venue: Atrium, ARSD College

Day 2 (AFMD-2025) March 04, 2025 (Online Mode)

Zoom Meeting/Google Meet

Timing (Indian Standard Time)	Event	Total time
09:00 AM - 09:45 AM	Plenary Talk-2 Prof. Hoe Tan <i>Australian National University, Australia</i>	45 minutes
09:45 AM - 10:30 AM	Keynote Speaker-2 Prof. Arijit Chowdhari <i>Acharya Narendra Dev College, University of Delhi</i>	45 minutes

(Invited Talks)

Timings	Session 1	Session 2	Session 3	Session 4 (Indian Knowledge System)	Total time
10:30 AM - 11:00 AM	IT-5 Prof. Manish Kumar <i>Jawaharlal Nehru University</i>	IT-9 Dr. Shikha Saini <i>Massachusetts Institute of Technology</i>	IT-13 Prof. Koteswar Rao <i>Department of Electronics, University of Delhi</i>	IT-17 Dr. Sandeep Kumar Singh <i>Jindal Global Business School, O.P. Jindal Global University</i>	30 minutes
11:00 AM - 11:30 AM	IT-6 Dr. Rahul Prajesh <i>Principal Scientist, CSIR-CEERI, Pilani</i>	IT-10 Prof. D Haranath <i>NIT Warangal</i>	IT-14 Dr. Sunitha AP <i>GVC, University of Calicut</i>	IT-18 Prof. Rajeesh Singh <i>ARSD College</i>	30 minutes
11:30 AM - 12:00 PM	IT-7 Dr. Kajal Jindal <i>Kirori Mal College, New Delhi</i>	IT-11 Dr. Abhishek Kumar Chauhan <i>Centre for Hybrid and Organic Solar Energy, University of Rome, Italy</i>	IT-15 Dr. Manoj Raula <i>Amity University, Noida</i>	IT-19 Dr. Vinod Kumar, <i>Department of Chemistry University of Delhi</i>	30 minutes
12:00 AM - 12:30 PM	IT-8 Prof. Manoj Kumar Khanna, <i>Department of Electronics, University of Delhi</i>	IT-12 Dr. Sivaiah Bathula <i>School of Minerals, Metallurgical and Materials Engineering IIT Bhubaneswar</i>	IT-16 Prof. Sai Santosh Kumar Raavi <i>Indian Institute of Technology Hyderabad</i>	IT-20 Prof. Prasant Singh <i>ARSD College</i>	30 minutes

(Oral Presentations)

Timings	Session 1	Session 2	Session 3	Session 4	Total time
12:30 PM - 12:40 PM	OT-13	OT-22	OT-31	OT-40	10 minutes
12:40 PM - 12:50 PM	OT-14	OT-23	OT-32	OT-41	10 minutes
12:50 PM - 01:00 PM	OT-15	OT-24	OT-33	OT-42	10 minutes
01:00 PM - 01:10 PM	OT-16	OT-25	OT-34	OT-43	10 minutes
01:10 PM - 01:20 PM	OT-17	OT-26	OT-35	OT-44	10 minutes
01:20 PM - 01:30 PM	OT-18	OT-27	OT-36	OT-45	10 minutes
01:30 PM - 01:40 PM	OT-19	OT-28	OT-37	OT-46	10 minutes
01:40 PM - 01:50 PM	OT-20	OT-29	OT-38	OT-47	10 minutes
01:50 PM - 02:00 PM	OT-21	OT-30	OT-39	OT-48	10 minutes

Lunch Break 02:00 PM - 02:30 PM

(Plenary Talk)

Timings	Session 1		Session 2		Total time		
02:30 PM - 03:00 PM	Plenary Talk-3		Dr. Toni Helm <i>High Magnetic Field Laboratory Helmholtz Zentrum Dresden Rossendorf, Germany</i>		Plenary Talk-4	Dr. Rok Novak <i>Jožef Stefan Institute, Slovenia</i>	30 minutes

(Invited Talks)

Timings	Session 1		Session 2		Session 3		Session 4		Total time
03:00 PM - 03:30 PM	IT-21	Dr. Monu Nath Baitha <i>University of Brescia, Italy</i>	IT-24	Dr. Ajeet Kumar <i>University of Bath, United Kingdom</i>	IT-27	Dr. M. Jayasimhadri <i>Luminescent Materials Research Lab Delhi Technological University, Delhi</i>	IT-30	Dr. Vishal Singh Chandel <i>Rajkiya Engineering College, Ambedkar Nagar</i>	30 minutes
03:30 PM - 04:00 PM	IT-22	Dr. Prateek Sharma <i>Ming Chi University of Technology, New Taipei, Taiwan</i>	IT-25	Dr. Parul Devi <i>Helmholtz Zentrum Dresden Rossendorf, Germany</i>	IT-28	Dr. Ravi Kant Mishra <i>Swansea University United Kingdom</i>	IT-31	Prof. (Dr.) G. Bhagavannarayana <i>Former Chief Scientist at CSIR-NPL New Delhi</i>	30 minutes
04:00 PM - 04:30 PM	IT-23	Dr. Mukesh Kumar Thakur <i>Istituto Italiano di Tecnologia, via Morego, Genova, Italy</i>	IT-26	Dr. Prakash Chandra Sati, <i>Rajiv Gandhi Government Post Graduate College</i>	IT-29	Ms. Neha Sharma <i>Editor, Applied Sciences & Engineering Springer Nature India Pvt. Ltd.</i>			30 minutes

(Oral Presentations)

Timings	Session 1		Session 2		Session 3		Session 4		Total time
04:30 PM - 04:40 PM	OT-49		OT-58		OT-67		OT-76		10 minutes
04:40 PM - 04:50 PM	OT-50		OT-59		OT-68		OT-77		10 minutes
04:50 PM - 05:00 PM	OT-51		OT-60		OT-69		OT-78		10 minutes
05:00 PM - 05:10 PM	OT-52		OT-61		OT-70		OT-79		10 minutes
05:10 PM - 05:20 PM	OT-53		OT-62		OT-71		OT-80		10 minutes
05:20 PM - 05:30 PM	OT-54		OT-63		OT-72		OT-81		10 minutes
05:30 PM - 05:40 PM	OT-55		OT-64		OT-73		OT-82		10 minutes
05:40 PM - 05:50 PM	OT-56		OT-65		OT-74		OT-83		10 minutes
05:50 PM - 06:00 PM	OT-57		OT-66		OT-75		OT-84		10 minutes

Day 3 (AFMD-2025) March 05, 2025 (Online Mode)

Zoom Meeting/Google Meet

Timing (Indian Standard Time)	Event	Total time
08:30 AM - 09:30 AM	Plenary Talk-5 Prof. Yuri Gogotsi <i>Director, A.J. Drexel Nanomaterials Institute, Drexel University, USA</i>	60 minutes
09:30 AM - 10:00 AM	Keynote Lecture-3 Prof. Prafulla Kumar Jha <i>The Maharaja Sayajirao University of Baroda, Vadodara</i>	30 minutes

(Invited Talks)

Timings	Session 1		Session 2		Session 3		Session 4		Total time
10:00 AM - 10:30 AM	IT-32	Dr. Abdus Salam <i>Center for Quantum Science & Engineering Stevens Institute of Technology USA</i>	IT-36	Prof. Kashyap Dubey <i>Jawaharlal Nehru University New Delhi</i>	IT-40	Dr. Arvind Kumar <i>Jawaharlal Nehru University New Delhi</i>	IT-44	Dr. Kamlesh Kumari <i>Department of Zoology University of Delhi</i>	30 minutes
10:30 AM - 11:00 AM	IT-33	Dr. Shweta Sharma <i>Massachusetts Institute of Technology, USA</i>	IT-37	Prof. Nagendra Kumar Kaushik <i>Kwangwoon University, Seoul, South Korea</i>	IT-41	Dr. Reema Gupta <i>Hindu College, New Delhi</i>	IT-45	Dr. Jitender Pal Singh <i>Manav Rachna University Faridabad, Haryana</i>	30 minutes
11:00 AM - 11:30 AM	IT-34	Dr. Ritesh Chaurasia <i>Samastipur College, Bihar</i>	IT-38	Prof. O. P. Thakur <i>Nataji Subash University of Technology (NSUT), New Delhi</i>	IT-42	Dr. Sujit Kumar Choudhary <i>IMEC Belgium</i>	IT-46	Prof. Ramendra Pratap <i>Department of Chemistry, University of Delhi</i>	30 minutes
11:30 AM - 12:00 PM	IT-35	Dr. Savita Sharma <i>Kalindi College, Delhi</i>	IT-39	Dr. Kusum Rawat <i>Deen Dayal Upadhyay Gorakhpur University, Gorakhpur</i>	IT-43	Prof. S. A. Hashmi <i>Department of Physics & Astrophysics, University of Delhi</i>	IT-47	Prof. Piyush Pratap Singh <i>Jawaharlal Nehru University, New Delhi</i>	30 minutes

(Oral Presentations)

Timings	Session 1	Session 2	Session 3	Session 4	Total time
12:00 PM - 12:10 PM	OT-85	OT-97	OT-109	OT-121	10 minutes
12:10 PM - 12:20 PM	OT-86	OT-98	OT-110	OT-122	10 minutes
12:20 PM - 12:30 PM	OT-87	OT-99	OT-111	OT-123	10 minutes
12:30 PM - 12:40 PM	OT-88	OT-100	OT-112	OT-124	10 minutes
12:40 PM - 12:50 PM	OT-89	OT-101	OT-113	OT-125	10 minutes
12:50 PM - 01:00 PM	OT-90	OT-102	OT-114	OT-126	10 minutes
01:00 PM - 01:10 PM	OT-91	OT-103	OT-115	OT-127	10 minutes
01:10 PM - 01:20 PM	OT-92	OT-104	OT-116	OT-128	10 minutes
01:20 PM - 01:30 PM	OT-93	OT-105	OT-117	OT-129	10 minutes
01:30 PM - 01:40 PM	OT-94	OT-106	OT-118	OT-130	10 minutes
01:40 PM - 01:50 PM	OT-95	OT-107	OT-119	OT-131	10 minutes
01:50 PM - 02:00 PM	OT-96	OT-108	OT-120	OT-132	10 minutes

Lunch Break 02:00 PM - 02:30 PM

(Oral Presentations)

Timings	Session 1	Session 2	Session 3	Session 4	Total time
02:30 PM - 02:40 PM	OT-133	OT-150	OT-167	OT-184	10 minutes
02:40 PM - 02:50 PM	OT-134	OT-151	OT-168	OT-185	10 minutes
02:50 PM - 03:00 PM	OT-135	OT-152	OT-169	OT-186	10 minutes
03:00 PM - 03:10 PM	OT-136	OT-153	OT-170	OT-187	10 minutes
03:10 PM - 03:20 PM	OT-137	OT-154	OT-171	OT-188	10 minutes
03:20 PM - 03:30 PM	OT-138	OT-155	OT-172	OT-189	10 minutes
03:30 PM - 03:40 PM	OT-139	OT-156	OT-173	OT-190	10 minutes
03:40 PM - 03:50 PM	OT-140	OT-157	OT-174	OT-191	10 minutes
03:50 PM - 04:00 PM	OT-141	OT-158	OT-175	OT-192	10 minutes
04:00 PM - 04:10 PM	OT-142	OT-159	OT-176	OT-193	10 minutes
04:10 PM - 04:20 PM	OT-143	OT-160	OT-177	OT-194	10 minutes
04:20 PM - 04:30 PM	OT-144	OT-161	OT-178	OT-195	10 minutes
04:30 PM - 04:40 PM	OT-145	OT-162	OT-179	OT-196	10 minutes
04:40 PM - 04:50 PM	OT-146	OT-163	OT-180	OT-197	10 minutes
04:50 PM - 05:00 PM	OT-147	OT-164	OT-181	OT-198	10 minutes
05:00 PM - 05:10 PM	OT-148	OT-165	OT-182	OT-199	10 minutes
05:10 PM - 05:20 PM	OT-149	OT-166	OT-183	OT-200	10 minutes
05:20 PM - 05:30 PM	OT-201	OT-202	OT-203	OT-204	

VALEDICTORY FUNCTION

05:30 PM - 06:30 PM

Chief Guest: **Prof. A.S Rao, Vice Chancellor, Vikram Simhapuri University, Nellore, Andhra Pradesh**
 Prof. Vinita Tuli. Coordinator IQAC
 Dr. Anjali Sharma Kaushik & Dr. Shankar Subramanian

60 minutes

Special Online Poster Session-5

Day:02 Online Poster (Session -5) March 04, 2025			Day:03 Online Poster (Session -5) March 05, 2025		
(Poster Presentations)			(Poster Presentations)		
Timings	Session 1	Session 2	Session 3	Session 4	Total time
12:00 PM - 12:10 PM			PP-74		10 minutes
12:10 PM - 12:20 PM			PP-75		10 minutes
12:20 PM - 12:30 PM			PP-76		10 minutes
12:30 PM - 12:40 PM	PP-51		PP-77		10 minutes
12:40 PM - 12:50 PM	PP-52		PP-78		10 minutes
12:50 PM - 01:00 PM	PP-53		PP-79		10 minutes
01:00 PM - 01:10 PM	PP-54		PP-80		10 minutes
01:10 PM - 01:20 PM	PP-55		PP-81		10 minutes
01:20 PM - 01:30 PM	PP-56		PP-82		10 minutes
01:30 PM - 01:40 PM	PP-57		PP-83		10 minutes
01:40 PM - 01:50 PM	PP-58		PP-84		10 minutes
01:50 PM - 02:00 PM	PP-59		PP-85		10 minutes
Lunch Break 02:00 PM - 02:30 PM					
03:00 PM - 03:10 PM	PP-60		PP-86		10 minutes
03:10 PM - 03:20 PM	PP-61		PP-87		10 minutes
03:20 PM - 03:30 PM	PP-62		PP-88		10 minutes
03:30 PM - 03:40 PM	PP-63		PP-89		10 minutes
03:40 PM - 03:50 PM	PP-64		PP-90		10 minutes
03:50 PM - 04:00 PM	PP-65		PP-91		10 minutes
04:00 PM - 04:10 PM	PP-66		PP-92		10 minutes
04:10 PM - 04:20 PM	PP-67		PP-93		10 minutes
04:20 PM - 04:30 PM	PP-68		PP-94		10 minutes
04:30 PM - 04:40 PM	PP-69		PP-95		10 minutes
04:40 PM - 04:50 PM	PP-70		PP-96		10 minutes
04:50 PM - 05:00 PM	PP-71		PP-97		10 minutes
05:00 PM - 05:10 PM	PP-72		PP-98		10 minutes
05:10 PM - 05:20 PM	PP-73		PP-99		10 minutes

List of Plenary, Keynote and Invited Speakers (AFMD-2025)

Code	Name of Speaker	Affiliation	Topic
Plenary Talk-1	Dr. R. K. Kotnala	CSIR-NPL, National Physical Laboratory, New Delh	Revolutionizing Green Energy: Hydroelectric Cell-Based Water Splitting for Sustainable Power and Hydrogen Production
Plenary Talk-2	Prof. Hoe Tan	Australian National University, Australia	III-V Semiconductor Nanostructures for Lasers and Quantum Emitters
Plenary Talk-3	Dr. Toni Helm	High Magnetic Field Laboratory Helmholtz Zentrum Dresden Rossendorf, Germany	Research in highest magnetic fields
Plenary Talk-4	Dr. Rok Novak	Jožef Stefan Institute, Slovenia	Tracking Every Breath: What Wearable Sensors Tell Us About Urban Routes
Plenary Talk-5	Prof. Yuri Gogotsi	A.J. Drexel Nanomaterials Institute, Drexel University, USA	Advancing Technology with 2D Carbides and Nitrides (MXenes)
Keynote Lecture-1	Prof. Monika Tomar	University of Delhi	Advances in Photoelectronics: Emerging Trends and Innovations
Keynote Lecture-2	Prof. Arijit Chowdhuri	University of Delhi	Scaling Down, Sensing More: How Nanotechnology, CNTs and MEMS reshape Gas Sensors
Keynote Lecture-3	Prof. Prafulla Kumar Jha	MSU Baroda University	Computational Design of Highly Efficient Hydrogen Storage Materials: Carbon Allotropes
Invited Tallk-1	Prof. Manish Kumar	Department of Biophysics, University of Delhi South Campus	Multi-omic data integration revealed the complex interplay of transcriptomics and proteomics factors
Invited Tallk-2	Prof. Ram Singh	Department of Applied Chemistry, Delhi Technological University	Sustainable aspects of Advance Material Synthesis
Invited Tallk-3	Dr. Upendra Mittal	Solid State Physics Laboratory, New Delhi	Surface Acoustic Wave Devices (SAW) and Sensors
Invited Tallk-4	Dr. Vidur Raj	Founder of Quanastra Pvt Ltd.	UV- to Mid-IR Single Photon Detection using Nanowire Devices
Invited Tallk-5	Prof. Manish Kumar	Jawaharlal Nehru University	Hybrid Halide Perovskites Solar Cells: From Fundamentals to Advanced Applications
Invited Tallk-6	Dr. Rahul Prajesh	Principal Scientist, CSIR-CEERI, Pilani	Smart Sensor Systems from Materials to Sustainable Monitoring

Invited Talk-7	Dr. Kajal Jindal	Kirori Mal College, New Delhi	BioFETs-An integrated approach for biosensing
Invited Talk-8	Prof. Manoj Kumar Khanna	Department of Electronics, University of Delhi	Effect of Nickel (Ni) oxidation on the Magnetization Dynamics of CoFeB/Ta/Ni Heterostructure
Invited Talk-9	Dr. Shikha Saini	Massachusetts Institute of Technology	A Physics-based Approach to Predict the Properties of Multimetallic Surfaces
Invited Talk-10	Prof. D Haranath	NIT Warangal	Energy Harvesting with Advanced Materials: The Promise of Triboelectric Nanogenerator Technology
Invited Talk-11	Dr. Abhishek Kumar Chauhan	Centre for Hybrid and Organic Solar Energy, University of Rome, Italy	Scalable Fabrication of flexible Perovskite Solar Cells via Green Solvent Processing: A Path Toward Industrial Viability
Invited Talk-12	Dr. Sivaiah Bathula	School of Minerals, Metallurgical and Materials Engineering IIT Bhubaneswar	Improving Mechanical Properties and Reducing Thermal Conductivity of Mg ₂ Si-Based Thermoelectric Nanocomposites via rGO Incorporation
Invited Talk-13	Prof. Koteswar Rao	Department of Electronics, University of Delhi	Metal oxide nanostructures for Energy Conversion and Energy Storage Applications
Invited Talk-14	Dr. Sunitha AP	GVC, University of Calicut	Bio-voltage from Biomass for Sustainable Energy Production
Invited Talk-15	Dr. Manoj Raula	Amity University, Noida	Exploring the Role of Water-soluble Polyoxometallates towards Photocatalytic HER
Invited Talk-16	Prof. Sai Santosh Kumar Raavi	Indian Institute of Technology Hyderabad	Strategic doping of Halide Perovskites nanocrystals for optoelectronic applications
Invited Talk-17	Dr. Sandeep Kumar Singh	Jindal Global Business School, O.P. Jindal Global University	Scientific Interpretation of the Vedas with Generative AI: A New Approach to Ancient Knowledge
Invited Talk-18	Prof. Rajeev Singh	ARSD College	Rich Tradition of Indian Knowledge System in Context of Chemical Sciences
Invited Talk-19	Dr. Vinod Kumar	Department of Chemistry University of Delhi	Indian Knowledge System: Bridging Ancient Science with Modern Nanotechnology
Invited Talk-20	Prof. Prasant Singh	ARSD College	Importance of Carbon-based Nanomaterials in Sensing
Invited Talk-21	Dr. Monu Nath Baitha	University of Brescia, Italy	Exploring Photonic Materials: Control of Photonic Spin Hall Effect and Topological Light Behavior for Next-Generation Devices

Invited Talk-22	Dr. Prateek Sharma	Ming Chi University of Technology, New Taipei, Taiwan	Nitrate Removal and Source Identification in Water and Air Pollution Using Triple Oxygen Isotopes
Invited Talk-23	Dr. Mukesh Kumar Thakur	Istituto Italiano di Tecnologia, via Morego, Genova, Italy	The Nanoworld of 2D Materials: From Synthesis to Nano Devices
Invited Talk-24	Dr. Ajeet Kumar	University of Bath, United Kingdom	Processing of single crystal-like lead-free porous piezoelectric textured ceramics
Invited Talk-25	Dr. Parul Devi	Helmholtz Zentrum Dresden Rossendorf, Germany	Reversibility of the magnetocaloric effect in Ni-Pt-Mn-In Heusler compounds
Invited Talk-26	Dr. Prakash Chandra Sati	Rajiv Gandhi Government Post Graduate College	Application of Ion mobility spectrometry-mass spectrometry (IMS-MS) for diagnose vaginal infections or food freshness on the basis of measurement of biogenic amines
Invited Talk-27	Dr. M. Jayasimhadri	Delhi Technological University, Delhi	Enhanced luminescence and energy transfer properties in rare earth doped materials for w-LEDs
Invited Talk-28	Dr. Ravi Kant Mishra	University of Manchester, USA	Upscaling of Organic Photovoltaics: from small scale to module fabrication
Invited Talk-29	Ms. Neha Sharma	Editor, Applied Sciences & Engineering, Springer Nature India Pvt. Ltd.	
Invited Talk-30	Dr. Vishal Singh Chandel	Rajkiya Engineering College, Ambedkar Nagar	Application of Pure and Doped Cerium Oxide in Environmental Remediation
Invited Talk-31	Prof. (Dr.) G. Bhagavannarayana	Former Chief Scientist at CSIR-NPL New Delhi	Green Hydrogen - A Fuel for Emission Free India
Invited Talk-32	Dr. Abdus Salam	Stevens Institute of Technology, USA	Monolayer of 2D dilute magnet and optoelectronics
Invited Talk-33	Dr. Shweta Sharma	Penn State University, USA	Advancing Multifunctional Nanomaterials for Next-Generation Aerospace Applications
Invited Talk-34	Dr. Ritesh Chaurasia	Samastipur College, Bihar	Electrochemical Impedance Spectroscopy in Modern Photovoltaics
Invited Talk-35	Dr. Savita Sharma	Kalindi College, Delhi	Ferroelectric Thin Films for Energy Harvesting Applications
Invited Talk-36	Prof. Kashyap Dubey	Jawaharlal Nehru University, New Delhi	Treat-after-too: Mineralization of cancer drugs present in hospital wastewater

Invited Talk-37	Prof. Nagendra Kumar Kaushik	Kwangwoon University, Seoul	Plasma-Generated Nitric Oxide Water for Biological Applications: Infection Control and Cosmetic Innovations
Invited Talk-38	Prof. O. P. Thakur	Nataji Subash University of Technology (NSUT), New Delhi	Material-Driven Advances in Gas and Humidity Sensing: Challenges, Applications, and Future Prospects
Invited Talk-39	Dr. Kusum Rawat	Deen Dayal Upadhyay Gorakhpur University, Gorakhpur	Investigations on Cu ₂ ZnSnS ₄ nanoparticles and its film for next generation photovoltaic applications
Invited Talk-40	Dr. Arvind Kumar	Jawaharlal Nehru University, New Delhi	Heusler alloys as thermoelectric Material for Energy Harvesting: First principles based Calculations
Invited Talk-41	Dr. Reema Gupta	Hindu College, New Delhi	Next Generation Energy Harvesting using KNN based Piezoelectric Cantilevers
Invited Talk-42	Dr. Sujit Kumar Choudhary	IMEC Belgium	GaN Technology: Future of Power Electronics
Invited Talk-43	Prof. S. A. Hashmi	Department of Physics & Astrophysics, University of Delhi	High Energy Density Flexible Supercapacitors Based on Redox-active Gel Polymer Electrolytes
Invited Talk-44	Dr. Kamlesh Kumari	Department of Zoology, University of Delhi	A time and temperature dependent Biosynthesis of Silver Nanoparticles using the extract of Platycladus Orientalis' fruit
Invited Talk-45	Dr. Jitender Pal Singh	Manav Rachna University Faridabad, Haryana	Investigation of Li ion rechargeable Batteries using Synchrotron X-rays
Invited Talk-46	Prof. Ramendra Pratap	Department of Chemistry, University of Delhi	Synthesis of different heterocycles selective metal recognition
Invited Talk-47	Prof. Piyush Pratap Singh	Jawaharlal Nehru University, New Delhi	Advancing Precision Measurements with AI and Quantum Computing: A Novel Approach to Fundamental Constants

Participant List for Oral Presentation (AFMD-2025)

03-05 March 2025 ARSD College

Code	Name	Affiliation	Title of Presentation	Venue/Mode of Presentation
OT-01	DR. DAVULURI SRIKALA	Department of Physics and Electronics, Hansraj College, University of Delhi	OT-01:-Effect of doping on the structural and dielectric behaviour of frustrated spinel oxide GeCo ₂ O ₄	Offline Mode (Multipurpose Hall, ARSD College)
OT-02	DR. MANOJ GIRI	Daulat Ram College	OT-02:-Photo-physical Parameters of Disperse Red 1 in Homogeneous Media	Offline Mode (Multipurpose Hall, ARSD College)
OT-03	DR. GARIMA MATHUR	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA	OT-03:-Advancing Biomedical Applications through Physicochemical Modifications of Bacterial Cellulose	Offline Mode (Multipurpose Hall, ARSD College)
OT-04	DR. HEMA BHANDARI	Maitreyi College, University of Delhi	OT-04:-Nanostructured Poly(aniline-co-o-sec.butylaniline)/ZnO Composite for High Performance Corrosion Control	Offline Mode (Multipurpose Hall, ARSD College)
OT-05	DR. HEMA BHARDWAJ	JAWAHARLAL NEHRU UNIVERSITY	OT-05:-Nanosheets-Polymer composite based electrochemical biosensor for dual cancer biomarker detection	Offline Mode (Multipurpose Hall, ARSD College)
OT-06	MR. RAJU MADAN BELEKAR	Institute of Science, Nagpur	OT-06:-Heavy metal removal efficiency of NiFe ₂ O ₄ @EDTA magnetic nano particles	Offline Mode (Multipurpose Hall, ARSD College)
OT-07	MS. RAKHI PANDEY	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY	OT-07:-Development of PHA-composites as functional biomaterial: Current opportunities and challenges	Offline Mode (Seminar Hall-1, ARSD College)
OT-08	MR. RAZI UR RAHMAN	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA 62	OT-08:-Fungal Chitosan: A Sustainable Alternative with Multifunctional Properties for Green Innovation	Offline Mode (Seminar Hall-1, ARSD College)
OT-09	DR. RAJVEER SINGH/ MS. SUKRITI	Atma Ram Sanatan Dharma College, New Delhi-110021, India	OT-09:-Synthesis and Characterization of perovskite multiferroic materials for application in Surface Acoustic Wave devices	Offline Mode (Seminar Hall-1, ARSD College)
OT-10	MR. VIVEK GUPTA	DRONACHARYA GROUP OF INSTITUTIONS, GREATER NOIDA	OT-10:-Optical and photoluminescence properties in magnesium phosphate glasses for solid-state laser application	Offline Mode (Seminar Hall-1, ARSD College)
OT-11	DR. Y. PREMKUMAR SINGH	MOTILAL NEHRU COLLEGE, UNIVERSITY OF DELHI	OT-11:-Enhanced light trapping performance in thin film silicon solar cells using plasmonic back reflector	Offline Mode (Seminar Hall-1, ARSD College)
OT-12	MS. SWATI JHARWAL	University of Delhi	OT-12:-Effect of B site substitution on physical properties of La ₂ Ni _x Co _{1-x} FeO ₆ (0 ≤ x ≤ 1) double perovskites	Offline Mode (Seminar Hall-1, ARSD College)
OT-13	MR. SACHIN SHARMA	HIMACHAL PRADESH UNIVERSITY, SUMMER HILL, SHIMLA	OT-13:-Structural, Dielectric and Energy Storage Properties of Lead-Free (Ba _{0.95} Ca _{0.05})(Ti _{0.94} Sn _{0.06})O ₃ Ferroelectric Ceramic	Online via Google Meet/Zoom
OT-14	MS. SARITA	SRM Inst of SCI & Tech NCR Campus Ghaziabad	OT-14:-Synthesis of nano phase tungsten oxide (WO ₃) by co-precipitation technique and their hybrid Nanocomposites with conducting polymer: Study of structural, optical and surface morphology	Online via Google Meet/Zoom
OT-15	MS. VIDHI	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY	OT-15:-Fabrication of Ternary Cu-doped NiFe ₂ O ₄ /rGO/TiO ₂ Electrodes for Supercapacitor Applications	Online via Google Meet/Zoom
OT-16	MS. ANNE MASIH	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY	OT-16:-Enhanced Antimicrobial Activity of Ti ₃ C ₂ -MXene through Tailored Lateral Size Control	Online via Google Meet/Zoom
OT-17	MS. SONIA	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY, DWARKA SECTOR 3, NEW DELHI	OT-17:-Dark Adsorption and Degradation of Methylene Blue Using HKUST-1 MOFs: A Comparative Study of Room Temperature and Solvothermal Synthesis	Online via Google Meet/Zoom
OT-18	MS. NEHA PRASHANT CHAWARE	G. T. Patil College	OT-18:-Optimizing CZFS Thin film by chemical bath deposition method towards sustainable photovoltaic solution	Online via Google Meet/Zoom
OT-19	DR. KARUNENDRA SINGH	Sanskriti University	OT-19:-Study on development of available nano biomaterials for energy storage devices	Online via Google Meet/Zoom

OT-20	DR. AKANSHA AGRWAL	KIET GROUP OF INSTITUTIONS, GHAZIABAD, DELHI-NCR	OT-20:-Surface Modification Techniques for Iron based Nano-catalyst	Online via Google Meet/Zoom
OT-21	MS. NIHARIKA	Baba Mastnath Univeristy , Asthal Bohar , Rohtak (Haryana)	OT-21:-Theoretical methods for Nano-materials and Nanotechnology	Online via Google Meet/Zoom
OT-22	MS. KOMAL SHRI CHANDRA	Amity Institute of Nanotechnology, Amity University Uttar Pradesh, Noida	OT-22:-Enhancing Material Performance with Essential Oil-Based Silica Nanoparticle Polymer Films	Online via Google Meet/Zoom
OT-23	MS. NEHA	NETAJI SUBHASH UNIVERSITY OF TECHNOLOGY	OT-23:-Comparative analysis on the Structural, Electrical, and Magnetic properties of CoFe2O4 and NiO nanoparticles for energy storage device application	Online via Google Meet/Zoom
OT-24	PROF. BINDI THAKKAR	PARUL INSTITUTE OF ENGINEERING & TECHNOLOGY (DIPLOMA STUDIES)	OT-24:-A Comprehensive Review on Natural Fibers : Properties, Applications and Sustainable Advancement	Online via Google Meet/Zoom
OT-24	MS. RAJSHREE KOKATE	PARUL INSTITUTE OF ENGINEERING & TECHNOLOGY (DIPLOMA STUDIES)	OT-24:-A Comprehensive Review on Natural Fibers : Properties, Applications and Sustainable Advancement	Online via Google Meet/Zoom
OT-25	MR. NAZIM UL ISLAM	DELHI TECHNOLOGICAL UNIVERSITY	OT-25:-Web-Scraped Medical Data for AI-Based Prescription Analysis and Prognosis	Online via Google Meet/Zoom
OT-26	MS. HIMANI	Netaji Subhas University of Technology	OT-26:-Synthesis of Na doped ZnO nanoparticles and their application in Hydroelectric Cells	Online via Google Meet/Zoom
OT-27	MS. NEHA BANSAL	NIT KURUKSHETRA	OT-27:-Zinc Ferrite nanoparticles for efficient photocatalytic degradation of environmentally toxic anti termite Chlorpyrifos insecticide from waste water	Online via Google Meet/Zoom
OT-28	DR. SRIDEVI BODAVULA	Acharya Nagarjuna University	OT-28:-Simultaneous dehydrogenation of cyclohexanol to cyclohexanone and hydrogenation of furfuraldehyde to furfuryl alcohol mediated over mesoporous silica supported copper catalysts	Online via Google Meet/Zoom
OT-29	MS. PERVINDER KAUR	MMEC, Maharishi Markandeshwar (DU), Mullana, Ambala, Haryana	OT-29:-Investigation of the Plant Mediated Synthesis of CeO2 Nanoparticles and their Properties	Online via Google Meet/Zoom
OT-30	DR. ARPITA DWIVEDI	Indian Institute of Technology, Banaras Hindu University, Varanasi	OT-30:-Fluorescent Europium Metal-Organic Frameworks: A Dual- Function Platform for Optical and Biomedical Uses	Online via Google Meet/Zoom
OT-31	MS. SAILEE NARESH GUND	BHARATI VIDYAPEETH DEEMED TO BE UNIVERSITY COLLEGE OF ENGINEERING, PUNE	OT-31:-EVALUATION OF ANTIFUNGAL ACTIVITY OF COCONUT SHELL (Cocos nucifera L.) USING WELL DIFFUSION METHOD	Online via Google Meet/Zoom
OT-32	PROF. JAGNEET KAUR ANAND	Keshav Mahavidyalaya, University of Delhi	OT-32:-A Vector Mode Analysis for a Dielectric-Metal-Dielectric Optical fiber	Online via Google Meet/Zoom
OT-33	DR. NUPUR GUPTA	JSS ACADEMY OF TECHNICAL EDUCATION	OT-33:-Thermal and Structural Dynamics of B2O3 modified Bismuth Niobium Tellurite Glass-Ceramics	Online via Google Meet/Zoom
OT-34	MS. KOMAL VERMA	DELHI TECHNOLOGICAL UNIVERSITY, NEW DELHI	OT-34:-A Flexible piezoelectric nanogenerator based on KNN/PVDF nanocomposite film for energy harvesting application	Online via Google Meet/Zoom
OT-35	MS. SAMPADA DNYANESHWAR RAHATE	BHARATIYA VIDYA BHAVAN'S M. M. COLLEGE OF ARTS, N. M. INSTITUTE OF SCIENCE, H. R. J. COLLEGE OF COMMERCE BHAVAN'S COLLEGE (AUTONOMOUS 2020-30) MUNSHI NAGAR, ANDHERI (W), MUMBAI - 400058	OT-35:-Electrochemical and gravimetric study of carbon derived from citrus fruit	Online via Google Meet/Zoom
OT-36	MS. PRACHI JAIN	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY	OT-36:-Effect of Sintering Temperature on the Cation Distribution, Electrical, and Magnetic properties of LaCoO3 for developing high-frequency device application	Online via Google Meet/Zoom
OT-37	MS. NIRMAL MANYANI	PANJAB UNIVERSITY CHANDIGARH	OT-37:-Synthesis of Ni-based-MOF Nanospheres as Electrode Material for Supercapacitor Applications	Online via Google Meet/Zoom
OT-38	MS. RAMYA M	GOVERNMENT VICTORIA COLLEGE, PALAKKAD	OT-38:-Synthesis of cost-effective iron oxide nanoparticles with natural carbon incorporation	Online via Google Meet/Zoom
OT-39	MS. ARPAN CHOUDHARY	DN COLLEGE MEERUT	OT-39:-Synthesis of Cu2S/VO2 core/shell nanoparticles using CBD method for thermochromic properties.	Online via Google Meet/Zoom

OT-40	DR. ASHUTOSH SRIVASTAVA	BENNETT UNIVERSITY	OT-40:-Intelligent Urban Pollution Monitoring Device for a Healthier City	Online via Google Meet/Zoom
OT-41	PROF. KRUNAL SURYAKANT KAYASTHA[1], BINDI THAKKAR[2]	Parul University	OT-41:-Development of a Pipe Inspection Robot for Autonomous Industrial Monitoring	Online via Google Meet/Zoom
OT-42	DR. CH. S. ANURADHA	DR.V.S.KRISHNA GOVERNMENT DEGREE & PG COLLEGE (A)	OT-42:-Green Synthesis of Novel Ag-Co Nanoparticles for Effective Photodegradation of Methylene Blue Dye	Online via Google Meet/Zoom
OT-43	DR. ALOK SINGH	JSS ACADEMY OF TECHNICAL EDUCATION	OT-43:-An Open-Access Simulation Toolbox for Advanced Plasmonic Nanoparticle Analysis and Sensor Design	Online via Google Meet/Zoom
OT-44	DR. MANISHA CHAUDHARY	JSS Academy of Technical Education, Noida	OT-44:-The intensification of Electro-Optical, Dielectric and Photoluminescence properties of the ZnO nanoparticles doped binary mixture of Nematic and Cholesteric Liquid Crystals.	Online via Google Meet/Zoom
OT-45	MR. ANUJ KUMAR	SHRI VENKATESHWARA UNIVERSITY GAJRAULA - 244236, UTTAR PRADESH	OT-45:-Structure, electronic, Magnetic and Optical Properties in Cation-Substituted CdMn _x Sn(1-x)P ₂ by TB-mBJ	Online via Google Meet/Zoom
OT-46	DR. SUPREETI DAS	GARGI COLLEGE, DELHI UNIVERSITY	OT-46:-Molten Salt Nanofluids for Thermal Energy Storage	Online via Google Meet/Zoom
OT-47	DR. PRAMOD KUMAR MISHRA	Kumaun University	OT-47:-Adsorption of a confined polymer chain: Exact results	Online via Google Meet/Zoom
OT-48	MS. PREETI RANI	PUNJABI UNIVERSITY, PATIALA	OT-48:-Spin drag rate in a quasi-one-dimensional electron gas: the qSTLS theory	Online via Google Meet/Zoom
OT-49	DR. AKSHATHA N	MANIPAL INSTITUTE OF TECHNOLOGY BENGALURU	OT-49:-Synthesis and fabrication of biocompatible, biostatic antimicrobial fabrics	Online via Google Meet/Zoom
OT-50	DR. SHYAMKUMAR G KHAMBHOLJA	B & B Institute of Technology, Vallabh Vidyanagar	OT-50:-Sound Velocity in Liquid Sodium at High Pressure	Online via Google Meet/Zoom
OT-52	MS. PRACHI SATABDI NANDA	O.P. Jindal University, Raigarh, Chhattisgarh	OT-52:-All Solid-state symmetric supercapacitor based on nanostructured Eu doped CuO.	Online via Google Meet/Zoom
OT-53	MR. SAHIL SONI	CDLU,SIRSA	OT-53:-First Principles Investigation of Structural, Electronic, Optical and Magnetic Properties of Eu doped InAlN.	Online via Google Meet/Zoom
OT-54	MS. KHUSHBOO GUPTA	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY	OT-54:-Structural, optical, dielectric and Electrochemical measurements of Cs and La based perovskites for energy storage applications	Online via Google Meet/Zoom
OT-55	MS. YAMINI GUPTA	O.P. JINDAL UNIVERSITY, RAIGARH, CHHATTISGARH	OT-55:-Anti-corrosion performance of the mild steel coated with Copper oxide.	Online via Google Meet/Zoom
OT-56	MR. KOMAL TEOTIA	CHAUDHARY CHARAN SINGH UNIVERSITY, MEERUT (UP)	OT-56:-HIGH QUALITY THERMALLY REDUCED GRAPHENE OXIDE: SYNTHESIS AND CHARACTERIZATION	Online via Google Meet/Zoom
OT-57	MR. MANURBHAV ARYA	TERI SAS AND DEAKIN UNIVERSITY	OT-57:-New Semiconducting materials from Ghazipur (East Delhi) Landfill Inert Soil for Organic Electronics and Biomedicine	Online via Google Meet/Zoom
OT-58	DR. NAMITA SHADANGI	GANGADHAR MEHER UNIVERSITY, SAMBALPUR	OT-58:-Influence of Impurity on the Study of Phonon Excitation Spectrum in Some Heavy Fermion (HF) Systems	Online via Google Meet/Zoom
OT-59	DR. ANURAG CHAUHAN	DELHI TECHNOLOGICAL UNIVERSITY	OT-59:-Stability and Electronic Modulation of Black AsP ₃ : Influence of H ₂ O and O ₂ Interactions	Online via Google Meet/Zoom
OT-60	DR. JYOTI	SRM University, Sonipat Campus, Haryana	OT-60:-Investigations on Spectral Features of Dy ³⁺ and Gd ³⁺ co-doped KF-P ₂ O ₅ -B ₂ O ₃ Glass Ceramics for visible lighting applications	Online via Google Meet/Zoom
OT-61	MS. KRISHNA GOHEL	PARUL UNIVERSITY	OT-61:-Visible light assisted photocatalysis and effect of catalyst dose for the degradation of crystal violet compound using ternary indium tin Di selenide	Online via Google Meet/Zoom
OT-62	MR. UBAID AHMAD KHAN	SHAMBHUNATH INSTITUTE OF ENGINEERING AND TECHNOLOGY, PRAYAGRAJ	OT-62:-Mechanical Properties of Natural Fiber Composites: A Comprehensive Review	Online via Google Meet/Zoom

OT-63	DR. TARUN KUMAR	RAMJAS COLLEGE, UNIVERSITY OF DELHI	OT-63:-Investigation of Different Properties of Polyaniline-Zirconia Hybrid Nanocomposites and its Application as Gas Sensor	Online via Google Meet/Zoom
OT-64	MR. RAJEEV KUMAR SACHAN	DEPARTMENT OF ECE, FACULTY OF ENGINEERING & IT, INTEGRAL UNIVERSITY, LUCKNOW, UP	OT-64:-InGaSb-Pocket Optimization and Reliability Analysis of Tunnel Field Effect Transistor for Non-uniform Channel	Online via Google Meet/Zoom
OT-65	DR. NEETU AGRAWAL	Department of Physics, University of Allahabad	OT-65:-Anomalous Nernst Effect in Topological Insulators surface Irradiated by Linearly Polarized Off-Resonant Electromagnetic Radiation	Online via Google Meet/Zoom
OT-66	MR. DAINIKKUMAR VASANTBHAI SAVALIA	PARUL UNIVERSITY	OT-66:-Sustainable Thermal Performance Analysis of a Pulsating Heat Pipe Using Zinc Oxide-Ethanol Nanofluid	Online via Google Meet/Zoom
OT-67	MS. RAMAN SHARMA	JAMIA MILLIA ISLAMIA, NEW DELHI 110025	OT-67:-Effect of Temperature on Coarsening Dynamics of Coulomb Glass	Online via Google Meet/Zoom
OT-68	DR. ASHUTOSH SRIVASTAVA	BENNETT UNIVERSITY	OT-68:-Forest Fire Prediction System	Online via Google Meet/Zoom
OT-69	MS. SANJU MEENA	Microelectronics Research Laboratory, Department of Electronic Science, A.R.S.D College University of Delhi, South Campus, New Delhi 110021, India and Department of Physics, Dyal Singh College, University of Delhi, South Campus, New Delhi 11003	OT-69:-A systematic bandgap analysis of different supercells of the monolayer MoSi ₂ N ₄ using GGA+U method.	Online via Google Meet/Zoom
OT-70	MS. DEWASTHALI TEJASWI RAMCHANDRA	LOVELY PROFESSIONAL UNIVERSITY, PHAGWARA PUNJAB, 144411.	OT-70:-Dielectric properties and relaxation behavior of novel garnet Gd ₃ Fe ₂ Al ₃ O ₁₂	Online via Google Meet/Zoom
OT-71	MS. SHAMBHAVI SHREE	JSS UNIVERSITY , NOIDA	OT-71:-Time-Dependent Density Functional Theory (TDDFT) Investigation of EBBA Liquid Crystal Molecules Doped with Gold Nanoparticles: Insights into Enhanced Optical Properties	Online via Google Meet/Zoom
OT-72	DR. VISHNU CHAUHAN	RAMJAS COLLEGE, UNIVERSITY OF DELHI	OT-72:-The Effect of He ion Exposure on WO ₃ -SnO ₂ Nanocomposite Thin Film for Gas Sensing Applications	Online via Google Meet/Zoom
OT-73	MR. PANKAJKUMAR ANADANI	PARULUNIVERSITY	OT-73:-Optimization of a Pulsating Heat Pipe with Al ₂ O ₃ -Ethanol Nanofluid for Sustainable Heat Transfer	Online via Google Meet/Zoom
OT-74	DR. VIPUL BHARDWAJ	GLA UNIVERSITY, MATHURA, UTTAR PRADESH	OT-74:-High Entropy Alloys for Biomedical Applications: A Review	Online via Google Meet/Zoom
OT-75	MR. AHMAD ADNAN ABU BAKAR	SMART RG, Faculty of Science and Technology, Universiti Sains Islam Malaysia, 71800 Nilai, Negeri Sembilan, Malaysia	OT-75:-The study of temperature variations towards physical properties and degradation profile of PHB/PLA based filament	Online via Google Meet/Zoom
OT-76	MS. NEETU VERMA	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY	OT-76:-Synthesis and Characterization of Multiwalled Carbon Nanotube-Perovskite Embedded Inside Polyvinyl Alcohol Matrix (MWCNT-Perovskite/PVA) Nanocomposites for High Dielectric Constant for Memory Device Application	Online via Google Meet/Zoom
OT-77	DR. TRIRANJITA SRIVASTAVA	UNIVERSITY OF ALLAHABAD, PRAYAGRAJ	OT-77:-Imbert-Fedorov Effect in Surface Plasmon Exciton Polariton based Structure	Online via Google Meet/Zoom
OT-78	DR. MAHESH C. MEENA	Rajdhani College, University of Delhi	OT-78:-Ni ⁺¹ Implantation in SnO ₂ thin film by ion beam irradiation	Online via Google Meet/Zoom
OT-79	DR. JIMMY MEHTA	MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD.	OT-79:-Emerging Trends in Advanced Surface Coating Technologies for High-Performance Applications	Online via Google Meet/Zoom
OT-80	DR. ANKIT DWIVEDI	GOVERNMENT SHYAM SUNDAR AGRAWAL P.G. COLLEGE SIHORA JABALPUR M.P.	OT-80:-Significantly Enhanced Dielectric and Energy Storage Properties of hydroxylated BZT4/PVDF Composite films for Energy Storage Applications	Online via Google Meet/Zoom
OT-81	MS. NEETA AMITKUMAR UKIRADE	Centre for Materials for Electronics Technology(C-MET),	OT-81:-Electrochemical Biosensor Based on Enzyme-Immobilized Graphene Oxide for Sensitive Detection of Reduced Glutathione	Online via Google Meet/Zoom
OT-82	DR. SAURABH SINGH	Bharati Vidyapeeth's College of Engineering, New Delhi	OT-82:-A Review on Cathode Materials for Intermediate Temperature Solid Oxide Fuel Cell Technology: For an Efficient Energy Conversion Device	Online via Google Meet/Zoom
OT-83	MS. GARIMA POPLY	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY, DWARKA SECTOR-3, NEW DELHI	OT-83:-High Dielectric Constant, Excellent Stability, and High Current Ratio of Non-volatile Resistive Switching Based on MWCNT-TiO ₂ Nanocomposites Encapsulated in Polyvinyl Alcohol (PVA) Matrix for Non-volatile Resistive Random-Access Memories (RRAM) Devices	Online via Google Meet/Zoom

OT-84	MS. KOMAL	Maharshi Dayanand University, Rohtak, Haryana	OT-84:-Impedance Spectroscopy Analysis of ZnCl ₂ Doped Bismuth Boro-Tellurite Glasses: Electrical and Dielectric Properties	Online via Google Meet/Zoom
OT-85	DR. SURESH KUMAR	Department of Physics, Rajdhani College, University of Delhi, Delhi, 110015, India	OT-85:-Computational study on the interaction of tryptophan with graphene and Al-doped graphene	Online via Google Meet/Zoom
OT-86	MR. AJEET GUPTA	SRM Institute of Science and Technology, Delhi-NCR Campus, Modinagar, Ghaziabad-201204	OT-86:-Synthesis of Zinc Sulfide (ZnS) Thin Film for Visible Light Photo Sensing by Hydrothermal Method	Online via Google Meet/Zoom
OT-87	MR. AYUSH RANA	HEMWATI NANDAN BAHUGUNA GARHWAL UNIVERSITY	OT-87:-Magnetic Study of Mixed-Metal Germanate ErFeCuGe ₄ O ₁₂	Online via Google Meet/Zoom
OT-88	MR. DINESH KUMAR	GLA UNIVERSITY MATHURA UP INDIA	OT-88:-Semiconductor Based aS1000 EPID Detectors for In Vivo Dosimetry for VMAT Treatment in Prostate Cancer: A Novel Approach to Dose Verification	Online via Google Meet/Zoom
OT-89	MS. NWE NWE AUNG	LOVELY PROFESSIONAL UNIVERSITY	OT-89:-Trace Element Contamination in Soil and Water of Punjab, India: Challenges, Impacts, and Sustainable Solutions	Online via Google Meet/Zoom
OT-90	MR. AVNEESH KUMAR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, DELHI- NCR CAMPUS MODINAGAR GHAZIABAD-201204, INDIA	OT-90:-Optoelectronic Properties of WO ₃ and WS ₂ Thin-Films for Application as Photodetector.	Online via Google Meet/Zoom
OT-91	MR. JATIN KUMAR	Atma Ram Sanatan Dharma College, New Delhi-110021, India	OT-91:-Tunable dielectric features of greenly synthesized MgO nanoparticles doped nematic liquid crystal composites	Online via Google Meet/Zoom
OT-92	MR. MOHD HAARISH	D N COLLEGE MEERUT UP (250002)	OT-92:-Molybdenum Disulfide thin film for photodetector application by chemical bath deposition (CBD) technique	Online via Google Meet/Zoom
OT-93	MR. PUNIT TOMAR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY DELHI NCR CAMPUS GAZIABAD	OT-93:-Induced Anisotropy in Nanomagnetic Fluid: An Insight on Magneto-Optical Effect	Online via Google Meet/Zoom
OT-94	MR. LAKSHYA SINGH, PRADEEP KUMAR	GLA UNIVERSITY, MATHURA U.P.	OT-94:-Development of red emitting thermally stable Sm ³⁺ induced Al ₂ O ₃ - Na ₂ O- ZnO- B ₂ O ₃ - WO ₃ glass for agricultural LEDs	Online via Google Meet/Zoom
OT-95	MS. GARIMA SINGH	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA	PP-95:-Carbon Source-Driven Modifications in Bacterial Cellulose: Structural and Thermal Insights	Online via Google Meet/Zoom
OT-96	MS. SPOORTHI N S	KUVEMPU UNIVERSITY, JNANASAHYADRI SHANKARAGHATTA,SHIMOGA	OT-96:-OPTICAL AND ELECTRICAL PROPERTIES OF GREEN SYNTHESIZED rGO/ZnO TRANSPARENT CONDUCTIVE ELECTRODE	Online via Google Meet/Zoom
OT-97	DR. HIMANSHU PAYAL	DEPARTMENT OF ROBOTICS,AUTOMATION & MECHATRONICS, SHARDA UNIVERSITY	OT-97:-An Effective Obstacle Detection Device with vibration feedback for visually impaired people	Online via Google Meet/Zoom
OT-98	MR. VISHAL JAKHAR	DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE AND TECHNOLOGY, MURTHAL HARYANA ,131039.	OT-98:-Investigation of Alumina based materials for Green Energy Device – Hydroelectric cell	Online via Google Meet/Zoom
OT-99	DR. AVANISH PRATAP SINGH RAJPUT	ATMA RAM SANATAN DHARMA COLLEGE	OT-99:-Microwave shielding enhancement and complex permittivity and permeability of conducting quartz sand	Online via Google Meet/Zoom
OT-100	DR. ANSHUL GUPTA	K J Somaiya College of Science and Commerce Mumbai 400077	OT-100:-Fabrication of p-n junction device on GaSb-VDS-Substrate by Tellurium implantation	Online via Google Meet/Zoom
OT-101	DR. OM PRAKASH YADAV	Atma Ram Sanatan Dharma College, New Delhi-110021, India	OT-101:-Phosphorus Corroles in Energy Transfer and Cellular Imaging: Advancing Photophysical and Biomedical Applications.	Online via Google Meet/Zoom
OT-102	MR. PUSHPENDER CHOUHAN	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY	OT-102:-Synthesis and Characterization of 0.80 BiFeO ₃ -0.20(Ba _{0.70} Sr _{0.30})TiO ₃ Multiferroics	Online via Google Meet/Zoom
OT-103	DR. BOMKESH BHOI	BURLA N.A.C. COLLEGE, BURLA, SAMBALPUR, ODISHA	OT-103:-Journey of Piezo-ceramic Materials from Lead to Lead Free	Online via Google Meet/Zoom
OT-104	DR. HARITA KUMARI	MAHARSHI DAYANAND UNIVERSITY, ROHTAK	OT-104:- Morphology mediated photocatalysis and room temperature ferromagnetism in tin oxide	Online via Google Meet/Zoom

OT-105	MR. SACHIN VERMA	IIT (BHU) Varanasi	OT-105:-Controllable Photon-Magnon Interaction in Planar Cavity-Magnonic System	Online via Google Meet/Zoom
OT-106	MR. SALMAN AHMED CHURMALI	SHRI GOVIND GURU UNIVERSITY	OT-106:-FTIR spectroscopy of hydrogen bonded Cu(N-R-Salim) ₂ with six dyes	Online via Google Meet/Zoom
OT-107	DR. SHIVRAJ SINGH	Amity Institute of Applied Sciences (AIAS), Amity University, Noida Campus, Sector-125, Noida, Uttar Pradesh, 201313, India	OT-107:-Enhanced mechanical properties of Solar waste recycled EVA/MWCNT nanocomposites	Online via Google Meet/Zoom
OT-108	MS. NITHYA PRIYA	UNIVERSITY OF MADRAS	OT-108:-Green Synthesized ZnO Nanoparticles using A.indica extract for Sustainable Dye Degradation	Online via Google Meet/Zoom
OT-109	MS. ARUSHI SAXENA	BHASKARACHARYA COLLEGE OF APPLIED SCIENCES, UNIVERSITY OF DELHI	OT-109:-Green Synthesised ZnO Nanoparticles for Heavy Metal Ion Removal: A Sustainable Water Treatment Initiative	Online via Google Meet/Zoom
OT-110	MS. SUMEDHA YADAV	DELHI TECHNOLOGICAL UNIVERSITY	OT-110:-A first-principles investigation of thermoelectric properties of a cubic halide perovskite Ca ₃ NCI ₃	Online via Google Meet/Zoom
OT-111	MR. YOGENDAR SINGH	SCHOOL OF PHYSICAL SCIENCES, JAWAHARLAL NEHRU UNIVERSITY	OT-111:-Monitoring the Recovery of Crystalline Phases in Irradiated Pyrochlores	Online via Google Meet/Zoom
OT-112	MS. ARUSHI BHATI	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA	OT-112:-Natural Polymers in Wound Healing: The Role of Chitosan and Moringa Oleifera	Online via Google Meet/Zoom
OT-113	DR. REKHA YADAV	UNIVERSITY OF RAJASTHAN, JAIPUR	OT-113:-Simplified Fabrication of Br-Cl Mixed-Halide Perovskite Thin Films via Single-Source Thermal Evaporation	Online via Google Meet/Zoom
OT-114	MS. MEGHA NARWAN	DTU	OT-114:-Effect of Holmium doping on structural and Downshifting luminescence characteristics of BNT ferroelectrics ceramics	Online via Google Meet/Zoom
OT-115	MR. ZODINPUJA RALTE	DELHI TECHNOLOGICAL UNIVERSITY	OT-115:-Importance of feature selections for the classification of topological materials	Online via Google Meet/Zoom
OT-116	DR. SANDEEP KUMAR	DHANAU RI PG COLLEGE DHANAU RI HARIDWAR	OT-116:-Health Hazards due to Radiation from mobile phone towers	Online via Google Meet/Zoom
OT-117	MS. DIKSHA THAKUR	Himachal Pradesh University Shimla	OT-117:-Structural and thermal study of Sb doped InSe Alloys for Phase Change Memory Applications	Online via Google Meet/Zoom
OT-118	MR. BHAVIK PRAKASHCHANDRA THACKER	PARUL UNIVERSITY	OT-118:-A Theoretical Investigation in Structural, Electronic, Vibrational, Thermophysical, elastic constant and thermodynamic properties of C1b Fe-Ni-Al alloys by a DFT approach.	Online via Google Meet/Zoom
OT-119	MR. TUSHAR KAUSHIK	Luminescent Materials Research Lab (LMRL), Department of Applied Physics, Delhi Technological University, Delhi-110 042, India	OT-119:-Structural and spectroscopic investigations in Dy ³⁺ doped tungstate phosphor for photonic device applications	Online via Google Meet/Zoom
OT-120	MS. KOMAL VERMA	JAWAHARLAL NEHRU UNIVERSITY	OT-120:-Thermoelectric properties of half-Heusler alloys: DFT based calculations	Online via Google Meet/Zoom
OT-121	DR. SUMMAIYYA SALEEM	UNIVERSITY OF RAJASTHAN, JAIPUR	OT-121:-Compact slotted patch antenna for 5G, WiMAX and X-band applications	Online via Google Meet/Zoom
OT-122	DR. AAVISHKAR KATTI	DR VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY	OT-122:-Temporal Evolution of Spatial Gap Solitons in PMN-PT photonic lattices: An Ab-initio investigation	Online via Google Meet/Zoom
OT-123	MR. HARSHMANI YADAV	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY, SECTOR 3, DWARKA, NEW DELHI - 110078, INDIA	OT-123:-Optimization of Rectangular Dielectric Resonator Antennas for High Gain & Efficiency Using Different Feeds	Online via Google Meet/Zoom
OT-124	DR. SUMANDEEP KAUR	C. M. SCIENCE COLLEGE, LALIT NARAYAN MITHILA UNIVERSITY, DARBHANGA, BIHAR	OT-124:-Ytterbium sensitized Erbium doped fluoride nanophosphor for biophotonic applications	Online via Google Meet/Zoom
OT-125	DR. VINEETA	MIRANDA HOUSE. UNIVERSITY OF DELHI	OT-125:-Enhanced optical emission in chemically exfoliated two- dimensional MoS ₂ through mechanical grinding	Online via Google Meet/Zoom
OT-126	DR. NISHA BALA	Daulat Ram College, University of Delhi	OT-126:- Effect of annealing under different atmospheres on the structural, growth, and magnetic properties of NiO nanoparticles	Online via Google Meet/Zoom

OT-127	MR. HARIKESH MEENA	Amity Institute of Applied Sciences, Amity University Uttar Pradesh, Noida 201313, India	OT-127:-Impact of CsPbBr ₃ quantum dots on the ionic conductivity of a smectogenic cyanobiphenyl-based liquid crystal material	Online via Google Meet/Zoom
OT-128	DR. ANAR SINGH	UNIVERSITY OF LUCKNOW	OT-128:-NaTi ₂ (PO ₄) ₃ as a solid state electrolyte: A combined theoretical and experimental study	Online via Google Meet/Zoom
OT-129	MS. VANDNA RATHOR	UNIVERSITY OF LUCKNOW	OT-129:-Density Functional Theory study of quantum capacitance, and electronic properties of pure and doped carbon nitride monolayers for supercapacitor applications	Online via Google Meet/Zoom
OT-130	MS. ANJALI	Amity Institute of Applied Sciences, Amity University, Noida, Uttar Pradesh-201313	OT-130:-Exploring the effect of Mn ion substitution on the Structural, Morphological, Electrical, and Magnetic studies of metal oxide for green energy production using hydroelectric cell	Online via Google Meet/Zoom
OT-131	MR. HARIKISHAN SANGANI	Parul University	OT-131:-Density Functional Theory-Based First-Principles Investigation of the Electronic and Thermoelectric Properties of Sc ₂ GaRu Heusler Alloy	Online via Google Meet/Zoom
OT-132	MS. SWATIJA SAHOO	DELHI TECHNOLOGICAL UNIVERSITY	OT-132:-Enhanced Photoluminescence Efficiency of Solid State Synthesised Er ³⁺ doped phosphor via novel chemical treatment for next generation optoelectronic application	Online via Google Meet/Zoom
OT-133	DR. NUTAN RANI	MIRANDA HOUSE, UNIVERSITY OF DELHI, DELHI- 110007	OT-133:-Investigation of Antidiabetic Potential of Biosynthesized ZnO Nanoparticles	Online via Google Meet/Zoom
OT-134	MS. PRERANA	DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE AND TECHNOLOGY , MURTHAL -131039 SONIPAT	OT-134:-Tuning White Light Properties with Phosphor-in-Glass	Online via Google Meet/Zoom
OT-135	MR. LALIT KUMAR	CSIR-National Physical Laboratory	OT-135:-Comprehensive analysis of Terahertz frequency response of 6 mol % Zn doped congruent LiNbO ₃ single crystal using THz-TDS	Online via Google Meet/Zoom
OT-136	MR. MANISH MISHRA	DELHI TECHNOLOGICAL UNIVERSITY	OT-136:-Enhancing Electrochemical Performance of Battery-Super Hybrid Capacitors for Next-Generation Energy Storage Solutions	Online via Google Meet/Zoom
OT-137	MS. SONIA BAJAJ	MAHARISHI MARKANDESHWAR (DEEMED TO BE University) MULLANA, AMBALA, HARYANA, INDIA.	OT-137:-Nonlinear plane wave propagation in nonlocal thermoelastic media under initial stress.	Online via Google Meet/Zoom
OT-138	MS. DIVYA	Manav Rachna University Faridabad	OT-138:-Nitrogen-doped Carbon derived from Biowaste for Sustainable Energy Applications	Online via Google Meet/Zoom
OT-139	DR. VICKY KAPOOR	K. R. MANGALAM UNIVERSITY, GURUGRAM, HARYANA	OT-139:-Analysis of InN and ITO thin films in a fiber optic refractive index sensor based on surface plasmon resonance	Online via Google Meet/Zoom
OT-140	MR. SULABH SINGH	GLA UNIVERSITY, MATHURA	OT-140:-Utilization of biomaterials in radiotherapy	Online via Google Meet/Zoom
OT-141	MR. AKSHAY PRABHU	DEPARTMENT OF PG STUDIES AND RESEARCH IN PHYSICS, KUVEMPU UNIVERSITY, JNANASAHYADRI, SHANKARAGHATTA-577451, SHIVAMOGGA, KARNATAKA, INDIA	OT-141:-Averrhoa Bilimbi Fruit Extract Assisted Sonochemical Synthesis of rGO/CuO Nanocomposite: Structural, Optical and Morphological Studies	Online via Google Meet/Zoom
OT-142	DR. NEHA BATRA BALI	HINDU COLLEGE, UNIVERSITY OF DELHI	OT-142:-Sustainable Uric Acid Detection Using Green-Synthesized MoO ₃ Thin Films	Online via Google Meet/Zoom
OT-143	MS. JAI SHREE CHOUDHARY	NETAJI SUBHAS UNIVERSITY of TECHNOLOGY	OT-143:-"Investigating Film Thickness Effects in Bi ₂ Te ₃ Thin Films and the Role of the 3-Omega Method in Thermal Conductivity & its Thermoelectric Performance"	Online via Google Meet/Zoom
OT-144	MS. SHRUTI BAKSHI	LOVELY PROFESSIONAL UNIVERSITY	OT-144:-Influence of Sintering Temperature on the ZnS Thin Films: Optical and Electrical Properties	Online via Google Meet/Zoom
OT-145	DR. VAISHALI NATHWANI	Parul Polytechnic Institute	OT-145:-Experimental and Machine learning approaches to investigate the impact of KMnO ₄ concentration on the Physical and Dielectric Properties of Potassium ion conducting PVdF-HFP based polymer electrolytes	Online via Google Meet/Zoom
OT-146	MR. SANJEEV KUMAR GUPT	IIT BHU	OT-146:-Static and Dynamic Magnetic Properties of Nanomagnets: A micromagnetic Simulation Study	Online via Google Meet/Zoom
OT-147	DR. ASHIMA	Deenabandhu chhotu Ram university of science and technology ,Murthal	OT-147:-Investigation of structural and dielectric properties of K _{0.5} Na _{0.5} Nb O ₃ -Ni Fe ₂ O ₄ composites	Online via Google Meet/Zoom

OT-148	DR. GAURAV GAUTAM	GRAPHIC ERA HILL UNIVERSITY, DEHRADUN	OT-148:-Effect of Heat Treatment on Microstructure and Mechanical Properties of In-situ A356-Mg2Si Composite	Online via Google Meet/Zoom
OT-149	MR. MANISH KUMAR	LUCKNOW UNIVERSITY, LUCKNOW	OT-149:-Photovoltaic performance and interface engineering of environment friendly Er-BFO based heterostructure devices	Online via Google Meet/Zoom
OT-150	MR. NEERAJ MISHRA	Atma Ram Sanatan Dharma College, University of Delhi, Delhi, India	OT-150:-Biogeochemically synthesized Cu ₂ O/ZnO@rGO for a superior photocatalyst in the degrading of organic contaminants	Online via Google Meet/Zoom
OT-151	MR. AKSHANSH JHA	Device Modeling and Simulation Laboratory, Acharya Narendra Dev College, University of Delhi,110019	OT-151:-Deep Learning and Image Segmentation based Hand Gesture Recognition System	Online via Google Meet/Zoom
OT-152	MR. KAMLESH R. BANARSE	GOVERNMENT VIDARBHA INSTITUTE OF SCIENCE AND HUMANITIES, AMRAVATI, MAHARASHTRA, INDIA	OT-152:-Synthesis and Electrical Properties of Tin oxide doped polyaniline nano-composites with Photovoltaic application	Online via Google Meet/Zoom
OT-153	DR. SWATI M. BISWAS	ARSD College	OT-153:-Human health analysis using biosensors based microbiome analysis	Online via Google Meet/Zoom
OT-154	DR. SANJEETA RANI	ACHARYA NARENDRA DEV COLLEGE, UNIVERSITY OF DELHI, DELHI	OT-154:-Effect of biopolymer addition on the dielectric properties of modified GO functionalized by added magnetite nanoparticles	Online via Google Meet/Zoom
OT-155	DR. MANISHA UPADHYAY	Atma Ram Sanatan Dharma College, New Delhi-110021, India	OT-155:-Exploring the Electrical Conduction Mechanisms in Memory and Threshold Switching Chalcogenide Glassy Al-As-Te System	Online via Google Meet/Zoom
OT-156	MR. MADHUR BABU SINGH	Atma Ram Sanatan Dharma College, University of Delhi, New Delhi, India	OT-156:-Enhancing the solubility of Aspirin via Eutectic mixture formation and its adsorption on Graphene & Graphene Oxide: A Combined Experimental and Computational Study	Online via Google Meet/Zoom
OT-157	MR. PAWAN KUMAR SINGH	CCS University Meerut	OT-157:-Computational Study on half Heusler Alloys for Thermoelectric Applications: Electronic Structure and Property Optimization	Online via Google Meet/Zoom
OT-158	MR. SURAJ KUMAR	CCS University meerut UP	OT-158:-Electrical Resistivity Due to Resonance Scattering in High-Temperature Superconductors	Online via Google Meet/Zoom
OT-159	DR. RAGHAVENDRA VEMURI	Sri Venkateswara College, University of Delhi, New Delhi	OT-159:-Structural, magnetic and microwave absorption properties of Mn doped Cobalt-Nickel nanoferrites for EMI applications	Online via Google Meet/Zoom
OT-160	MS. MOHD. ASLAM	Atma Ram Sanatan Dharma College, University of Delhi, Delhi	OT-160:-An Insight for the Sensing ability of Graphene Oxide for Pymetrozine through Electrochemical Studies, In-Silico Studies, and Experimental Approaches	Online via Google Meet/Zoom
OT-161	DR. SUMAN KUSHWAHA	BANARAS HINDU UNIVERSITY, VARANASI	OT-161:-Dye concentration dependent study and performance evaluation of the Dye Sensitized Solar Cells (DSSCs)	Online via Google Meet/Zoom
OT-162	MS. PREETI TIWARI	GOVERNMENT SCIENCE COLLEGE JABALPUR	OT-162:-XRD Study of Pure PMMA and V ₂ O ₅ Doped Thin Films	Online via Google Meet/Zoom
OT-163	MS. POOJA AGARWAL	DELHI TECHNOLOGICAL UNIVERSITY, DELHI	OT-163:-Dual Fano Resonances-Enabled High-Q Silicon Metasurface for THz Sensing Applications	Online via Google Meet/Zoom
OT-164	MS. SOUMYA RAI	DEPARTMENT OF APPLIED SCIENCES AND HUMANITIES, INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN, KASHMERE GATE, DELHI, 110006, INDIA	OT-164:-Hydrothermally synthesized Porous MoO ₃ Nanorods for Ultraviolet Photodetection	Online via Google Meet/Zoom
OT-165	MS. ALEENA KULSUM ABBASI	AMITY UNIVERSITY	OT-165:-Investigation of NiO thin films for perovskite LED applications	Online via Google Meet/Zoom
OT-166	DR. KRISHNA CHANDRA DUBEY	Shia P G College Lucknow	OT-166:-SCAPS Simulation of RbGeBr ₃ Perovskite Solar Cells: Impact of Absorber and Transport Layer Parameters	Online via Google Meet/Zoom
OT-167	DR. MUKESH CHANDRA	Jaypee University of Engineering and Technology, Guna, M.P.	OT-167:-Studies on Yttrium Iron Garnet (Y ₃ Fe ₅ O ₁₂) Thin Films Synthesized by Pulsed Laser Deposition Technique	Online via Google Meet/Zoom
OT-168	MR. INDRAJEET MAURYA	LMRL, deparment of applied physics, DTU, Delhi	OT-168:-Red light emitting Eu ³⁺ doped bismuth yttrium tungstate phosphor for photonic device applications	Online via Google Meet/Zoom
OT-169	MR. MUKESH KUMAR	GGSSIP University	OT-169:-Spectral Brightness of THz Radiation Produced by Longitudinally Polarized Undulator	Online via Google Meet/Zoom

OT-170	DR. DEVENDRA KUMAR RANA	ATMA RAM SANATAN DHARMA COLLEGE,UNIVERSITY OF DELHI,NEW DELHI	OT-170:-Effect of Cu Doping on the pure Zn(O,S) thin film for visible light Photodetection	Online via Google Meet/Zoom
OT-171	DR. HARITA KUMARI	MAHARSHI DAYANAND UNIVERSITY, ROHTAK	OT-171:-Rare Earth Ions-Modified SnO ₂ Nanoparticles: A Multifaceted Study of Structural, Magnetic, and Photocatalytic Properties	Online via Google Meet/Zoom
OT-172	DR. VINAY KUMAR	Graphic Era (Deemed to be) University, Dehradun, Uttarakhand-248002, India	OT-172:-Potential Application of Carbon Nanotube Core as a Nanocontainer	Online via Google Meet/Zoom
OT-173	DR. HIMANSHU PAYAL	DEPARTMENT OF ROBOTICS,AUTOMATION & MECHATRONICS, SHARDA UNIVERSITY	OT-173:-Fabrication Of A Robotic Arm For More Sustainable And Precise Fire Fighting Equipped With Sensor Based Transducers And DC Motors	Online via Google Meet/Zoom
OT-174	DR. ARPITA DWIVEDI	Indian Institute of Technology, Banaras Hindu University, Varanasi	OT-174:-Fluorescent Eu-MOF for Forensic and Biomedical Applications	Online via Google Meet/Zoom
OT-175	MS. MUSKAN GARG	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA	OT-175:-Innovative Bacterial Cellulose Composites: Smart Biomaterials Shaping the Future of Biomedical Applications	Online via Google Meet/Zoom
OT-176	MS. KOMAL	Maharshi Dayanand University, Rohtak, Haryana	OT-176:-Investigating the Influence of Barium Chloride on the Structural, Thermal, and Optical Behavior of Boro-Tellurite Glasses	Online via Google Meet/Zoom
OT-177	MS. SPOORTHIN S	KUVEMPU UNIVERSITY, JNANASAHYADRI SHANKARAGHATTA,SHIMOGA	OT-177:-OPTICAL AND ELECTRICAL PROPERTIES OF GREEN SYNTHESIZED rGO/ZnO TRANSPARENT CONDUCTIVE ELECTRODE	Online via Google Meet/Zoom
OT-178	MR. ANUPAM	Delhi Technological University	OT-178:-Structural and Optical Properties of Rare-Earth Doped Sodium Lanthanum Titanate Phosphor for Solid-State Lighting Applications	Online via Google Meet/Zoom
OT-179	PROF. JAGNEET KAUR ANAND	Keshav Mahavidyalaya, University of Delhi	OT-179:-Understanding a plasmonic optical fiber from the first principle	Online via Google Meet/Zoom
OT-180	MS. SAMRIDHI WANI	Atma Ram Sanatan Dharma College, University of Delhi	OT-180:-Analyzing the ternary systems multiferroic properties to gain insights into the mechanisms driving their application in hydroelectric cells.	Online via Google Meet/Zoom
OT-181	MS. CHITRALEKHA	Functional Materials Research Laboratory, ARSD College, Delhi University, Dhaula Kuan, New Delhi-110021, India ; 3Department of Physics, Multanmodal Modi College, Ch. Charan Singh University, Meerut, U.P.	OT-181:-Next-Gen Hydroelectric Cells: Sb-Doped SnO ₂ for High-Efficiency Room-Temperature Water Splitting Mechanism	Online via Google Meet/Zoom
OT-182	MS. VARSHA	Atma Ram Sanatan Dharma College	OT-182:- Evaluation of Ion Diffusion Mechanism and Magnetic Properties of Eco-friendly Strontium-Copper Ferrite Composite for Hydroelectric Cells	Online via Google Meet/Zoom
OT-183	DR. SATYA NARAYAN JATOLIA	Govt Dungar College Bikaner	OT-183:-Comparative 4f-4f absorption spectral approach to study the complexation of Ho (III) with 2-hydroxy benzothiazole (2HBT) in the presence and absence of Ca(II), Mg(II) and Sr(II) ions	Online via Google Meet/Zoom
OT-184	MR. VISHNU KUMAWAT	Atma Ram Sanatan Dharma College, University of Delhi	OT-184:-Synthesis of transition metal nanoparticles immobilized to Graphene (GO & RGO) as an enhancer of dissolved oxygen with reduced band-gap energy	Online via Google Meet/Zoom
	DR. SUBASH MOHAPATRA	Atma Ram Sanatan Dharma College, University of Delhi		Online via Google Meet/Zoom
OT-184	DR. MANISHA SINGLA	GARGI COLLEGE		Online via Google Meet/Zoom
OT-185	MS. MANJUSHREE MAITY	IIT BHU	OT-185:-Enhancing Magnetic and Dielectric Properties of M-Type Hexaferrites for Advanced THz Application	Online via Google Meet/Zoom
OT-186	DR. DIGAMBAR MAHADEO SARKAL	Department of Physics, S.I.C.E.S. Degree College, Ambarnath (W), Thane, Maharashtra, India	OT-186:-Structural and Optical Properties of Cadmium Indium Sulphide (CdIn ₂ S ₄) Thin Films Deposited on various substrates by Nebulized spray pyrolysis technique	Online via Google Meet/Zoom
OT-187	MS. POONAM	Functional Materials Research Laboratory, Department of Physics, ARSD College, University of Delhi-110021, India	OT-187:-Dielectric, Impedance, and Hydroelectric Properties of Nd-Ti Co-Doped Barium Ferrite Ceramics	Online via Google Meet/Zoom
OT-188	MS. MADHU YADAV	Department of Physics, University of Rajasthan Jaipur, JLN Marg, Jaipur-302004 Rajasthan, India	OT-188:-Enhanced hydrogen storage properties of MgH ₂ via addition of AC /MXene Nano-composites	Online via Google Meet/Zoom

OT-189	MS. KOMAL	Amity Institute of Applied Sciences, Amity University, Noida	OT-189:-Modified chitosan biopolymer for the effective removal of Congo Red dye: A facile method for wastewater remediation	Online via Google Meet/Zoom
OT-190	MS. KALPANA SHARMA	Jaypee University of Information Technology, Wagnaghat, Solan 173234, Himachal Pradesh, India	OT-190:-Improved structural modification efficiency of Sb ₂ Se ₃ alloy on Bi incorporation	Online via Google Meet/Zoom
OT-191	MR. DEVENDER JALANDHARA	Maharshi Dayanand Saraswati University (MDSU) in Ajmer, Rajasthan, India	OT-191:-Investigations of Optical properties of Pure and Doped Transition metal BiMn _{1-x} (TE) xO ₃ (TE=Cr, Fe, Co, and Zn) nanoparticles synthesized by sol-gel Method	Online via Google Meet/Zoom
OT-192	MR. JATINDER PAL SINGH	Department of Physics & Astrophysics, University of Delhi, Delhi – 110 007, INDIA	OT-192:-Detection of CO/ CO ₂ emission from incense and mosquito repellents contributing to non-discernible pollution within Asian households	Online via Google Meet/Zoom
OT-193	MR. DHEERAJ KUMAR	Dept. of Physics, Patliputra University, Patna	OT-193:-Structural, Magnetic and Optoelectronic properties of Cr doped Zinc Oxide thin film Prepared by PLD Process	Online via Google Meet/Zoom
OT-194	DR. GARIMA MATHUR	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA	OT-194:-Bacterial Cellulose Composites-Based Food Packaging: Advancing Sustainable Development Goals	Online via Google Meet/Zoom
OT-195	DR. AVANISH PRATAP SINGH	Atma Ram Sanatan Dharma College, New Delhi-110021, India	OT-195:-Freestanding SnO ₂ coated MWCNTs electrode for li-ion battery anode	Online via Google Meet/Zoom
OT-196	DR. SAJAL RANA	Atma Ram Sanatan Dharma College, New Delhi-110021, India	OT-196:-Understanding the role of excess Sb in thermoelectric properties in Bi _{0.5} Sb _{1.5+x} Te ₃ (x =0.5 to 0.25)	Online via Google Meet/Zoom
OT-197	DR. NIRAV Y PANDYA	Government Commerce and Science College, Dahej , Gujarat	OT-197:- Electronic band structure, Charge density and Fermi surfaces of FeNi ₃ , FeNi and Fe ₃ Ni invar materials	Online via Google Meet/Zoom
OT-198	DR. PRITI SANTOSH KOLHE	Pratibha College of Commerce and Computer Studies	OT-198:-Applications of carbon nanomaterials for sustainable development	Online via Google Meet/Zoom
OT-199	DR. NAOREM PREMJI SINGH	ATMA RAM SANATAN DHARMA COLLEGE, UNIVERSITY OF DELHI	OT-199:-Room temperature synthesis of Dy ³⁺ ion doped CdMoO ₄ phosphor and studies the effect of dopant ion concentration on luminescence property	Online via Google Meet/Zoom
OT-200	MS. SUSHMA DUBE	GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA, UP	OT-200:-Plasmonic Nanoparticles and their Characterization in Suspended Phase by using Light Scattering Techniques	Online via Google Meet/Zoom
OT-201	MS. KHUSHBU JAIN	AMITY UNIVERSITY, GURUGRAM, HARYANA	OT-201:-Synthesis of Cerium Dioxide Nanoparticles and their photocatalytic application in Degradation of Methylene Blue in Water	Online via Google Meet/Zoom
OT-202	MR. AJINKYA BHIMRAO SHINGANKAR	Vishwakarma institute of technology ,Pune, Maharashtra ,411037037	OT-202:-STUDY ON INDUSTRIAL WASTE WATER TREATMENT AND RECYCALING TECHNOLOGIES	Online via Google Meet/Zoom

Participant list for Poster Presentation (AFMD-2025)

03-05 March 2025 ARSD College

Code	Name	Affiliation	Title of Presentation	Venue/Mode of Presentation
PP-01	MR. YASH SAKSENA	AMITY UNIVERSITY NOIDA	PP-01:-DESIGN AND DEVELOPMENT OF CATALYTIC CONVERTER FOR DIESEL ENGINES USING PHASE CHANGE MATERIALS	Offline Mode (Atrium, ARSD College)
PP-02	MS. AAYUSHI	Deenbandhu Chhotu Ram University of Science and Technology, Murthal	PP-02:-Unveiling the Potential of Cobalt-Doped Copper Ferrite/MWCNT Nanocomposites in Energy Storage Devices	Offline Mode (Atrium, ARSD College)
PP-03	MR. ABHISHEK KUMAR	DELHI TECHNOLOGICAL UNIVERSITY	PP-03:-V2O5-doped PVDF piezoelectric nanogenerators for enhanced clean and green Energy Harvesting	Offline Mode (Atrium, ARSD College)
PP-04	MR. ADIT AMIT KUMAR	DPS International, Gurgaon	PP-04:-Investigating C_{60} Thickness and Doping Effects for Efficiency in CsSnCl ₃ Solar Cells Using SCAPS-1D	Offline Mode (Atrium, ARSD College)
PP-05	MS. AKANKSHA SINGH	Delhi Technological University	PP-05:-Complex Impedance Spectroscopy and Dielectric Analysis of Li ₄ Ti ₅ O ₁₂ (LTO) alternative anode material for Li- ion batteries.	Offline Mode (Atrium, ARSD College)
PP-06	MS. ANSHIKA TOMAR	GARGI COLLEGE	PP-06:-Nanoparticles: A novel approach for the catalytic degradation of dyes	Offline Mode (Atrium, ARSD College)
PP-07	MR. ANSHUM KUMAR	DELHI TECHNOLOGICAL UNIVERSITY	PP-07:-Hybrid reflective metasurface for linear to circular polarization conversion	Offline Mode (Atrium, ARSD College)
PP-08	MS. AYUSHI SHARMA	DELHI TECHNOLOGICAL UNIVERSITY	PP-08:-Study of XRD, dielectric properties and ionic conductivity of Li-Ai-Si-O ₄ ceramic solid electrolyte synthesized by solid state method	Offline Mode (Atrium, ARSD College)
PP-09	MS. BABITA SHARMA	University of Delhi	PP-09:-Unveiling the role of Lithium doping: A Comparative Analysis of pure KNN and Li doped KNN	Offline Mode (Atrium, ARSD College)
PP-10	MR. BHISHM PRATAP DEV	UNIVERSITY OF DELHI	PP-10:-Growth of Gallium Oxide thin film for Deep UV-photodetector application	Offline Mode (Atrium, ARSD College)
PP-11	MS. BHUMIKA	AMITY UNIVERSITY NOIDA (CAMPUS)	PP-11:-The Study of Non - Classical Phenomena	Offline Mode (Atrium, ARSD College)
PP-12	MR. DHURUV VERMA	ATMA RAM SANATAN DHARMA COLLEGE, UNIVERSITY OF DELHI	PP-12:-Development of Thermoelectric Energy Harvester using AZO semiconductor thin films	Offline Mode (Atrium, ARSD College)
PP-13	MR. DHURUV MEHTA	DELHI TECHNOLOGICAL UNIVERSITY	PP-13:-Complex Impedance Spectroscopy and Dielectric Analysis of Li ₄ Ti ₅ O ₁₂ (LTO) alternative anode material for Li- ion batteries	Offline Mode (Atrium, ARSD College)
PP-14	MR. RAGHUVIR KUMAR	JAI PRAKASH UNIVERSITY, CHAPRA, BIHAR, INDIA	PP-14:-Ni-Fe Nanoparticles of Magnetic Characteristics and its catalytic application.	Offline Mode (Atrium, ARSD College)
PP-15	MS. MUSKAN GARG	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA	OT-15:-Biopolymer Innovations: Bacterial Cellulose for Sustainable Probiotic Encapsulation in Food	Offline Mode (Atrium, ARSD College)
PP-16	MS. GEETIKA JANGID	AMITY UNIVERSITY, HARYANA	PP-16:-Impact of Green- Synthesized ZnO nanoparticles on dielectric and optical behaviour of 7CB Liquid crystals.	Offline Mode (Atrium, ARSD College)
PP-17	MS. GUNJAN	UNIVERSITY OF DELHI	PP-17:-Synthesis of novel phenothiazine-5-oxides – Structure, Optical properties, and applications	Offline Mode (Atrium, ARSD College)
PP-18	MR. JATINDER PAL SINGH	UNIVERSITY OF DELHI	PP-18:-Development of chemiresistive sensor using MoO ₃ thin film for NO ₂ detection	Offline Mode (Atrium, ARSD College)
PP-19	MS. KAJAL	GGSIU	PP-19:-Lithium-Modified TiO ₂ based Hydroelectric Cell for High-Efficiency Water Splitting and Sustainable Electricity Generation	Offline Mode (Atrium, ARSD College)

PP-20	DR. KARUNENDRA SINGH	Sanskriti University	PP-20:-Study on Carbon Quantum Dots (CQDs) based Bio-Sensing DNA Analysis technique for forensic Investigations	Offline Mode (Atrium, ARSD College)
PP-21	MR. MAYANK JOSHI	Kumaun University, Nainital, India	PP-21:-Theoretical realization of light pentaquark through six-dimensional representation of SU(2) group	Offline Mode (Atrium, ARSD College)
	MR. MANISH SINGH BISHT			Offline Mode (Atrium, ARSD College)
PP-22	MR. KUNWAR SUGAM ANUGRAH	ACHARYA NARENDRA DEV COLLEGE (UNIVERSITY OF DELHI)	PP-22:-Effect of biopolymer addition on the dielectric properties of modified GO functionalized by added magnetite nanoparticles	Offline Mode (Atrium, ARSD College)
PP-23	MR. LOKESH AHLAWAT	DELHI TECHNOLOGICAL UNIVERSITY	PP-23:-Photonic Spin Hall Effect-Induced Transverse Shift in 1D Photonic Crystals at Optical Tamm State: Sensitivity Analysis Using Different Defect Materials	Offline Mode (Atrium, ARSD College)
PP-24	MS. MALLIKA YADAV	DELHI TECHNOLOGICAL UNIVERSITY	PP-24:-Engineered Chiral Metasurface for Refractive Index Sensing with High Q-factor	Offline Mode (Atrium, ARSD College)
PP-25	MR. MANISH KUMAR	LUCKNOW UNIVERSITY, LUCKNOW	PP-25:-Investigation and analyzing the effect of grading on the photovoltaic performance of the perovskite solar cells	Offline Mode (Atrium, ARSD College)
PP-26	MR. MANISH SINGH	Amity Institute of Applied Sciences (AIAS), Amity University, Noida Campus, Sector – 125, Noida, 201313, Uttar Pradesh, India.	PP-26:-Effect of Li doping on the optical and morphological properties of ZnO nanoparticles	Offline Mode (Atrium, ARSD College)
PP-27	MS. MIKANSHI CHAUDHARY	CHANDIGARH UNIVERSITY	PP-27:-Optimizing Structural, Optical, and Magnetic Properties of Ba _{0.92} Sr _{0.08} Ti _{1-x} Cr _x O ₃ Ceramics for Multifunctional Applications	Offline Mode (Atrium, ARSD College)
PP-29	MS. NANDINI SHARMA	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY	PP-29:-Cellulose Biopolymers from Waste: Route to Sustainable BioMaterial Development	Offline Mode (Atrium, ARSD College)
PP-30	DR. NARENDRA SINGH	DESHBANDHU COLLEGE, UNIVERSITY OF DELHI	PP-30:-Review article for emission of single photon at different temperatures and different wavelengths	Offline Mode (Atrium, ARSD College)
PP-31	MS. PARUL SOLANKI	DELHI TECHNOLOGICAL UNIVERSITY	PP-31:-Study of XRD, dielectric properties and ionic conductivity of Li-Ai-Si-O ₄ ceramic solid electrolyte synthesized by solid state method	Offline Mode (Atrium, ARSD College)
PP-32	MS. PRACHI	INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN	PP-32:-Computational docking exploration of Metal-organic framework for antibacterial properties against Staphylococcus aureus	Offline Mode (Atrium, ARSD College)
PP-33	MS. PUJA BHAGABATI	LOVELY PROFESSIONAL UNIVERSITY	PP-33:-A study on the Characterisation of synthesised HaP/TiO ₂ composite	Offline Mode (Atrium, ARSD College)
PP-34	MS. RASHMI SAINI	GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY	PP-34:-Optimization of graphene based polypyrrole composites for highly-efficient supercapacitor electrodes	Offline Mode (Atrium, ARSD College)
PP-35	DR. SACHIN KUMAR	Department of Physics & Astrophysics, University of Delhi	PP-35:-Synthesis and gas sensing properties of titanium-doped barium stannate (BaSn _{1-y} Ti _y O ₃ ; for y = 0.0 to 0.3)	Offline Mode (Atrium, ARSD College)
PP-36	MS. SAKSHI KUMARI	DRDO, DIPAS	PP-36:-Biological effects of 1064 nm laser on biochemical markers and heat shock proteins in rat skin	Offline Mode (Atrium, ARSD College)
PP-37	MS. SALINI MISHRA	Gargi College, Delhi University	PP-37:-Nanoparticles: A Novel Approach for the Catalytic Degradation of Dyes	Offline Mode (Atrium, ARSD College)
PP-38	MS. SALONI SINGH	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY.	PP-38:-Bacterial Cellulose as a Sustainable Solution for Water Purification and Environmental Remediation.	Offline Mode (Atrium, ARSD College)
PP-39	MR. SAMYAK MARATHE	Aacharya Narendra Dev College, University of Delhi	PP-39:-Effect of biopolymer addition on the dielectric properties of modified GO functionalized by added magnetite nanoparticles	Offline Mode (Atrium, ARSD College)
PP-40	MR. SATYAM GARG	University of delhi	PP-40:-Photocatalytic Degradation of Methylene Blue Using Tin Selenide (SnSe) Thin Films Under Visible Light Irradiation	Offline Mode (Atrium, ARSD College)
PP-41	MR. SHIVANG KUMAR MISHRA	DELHI TECHNOLOGICAL UNIVERSITY	PP-41:-Production of Graphene Quantum Dots Using Bermuda Grass	Offline Mode (Atrium, ARSD College)

PP-42	MS. SIMRAN BHARDWAJ	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY, DWARKA SEC-3, NEW DELHI-110078	PP-42:-Investigating the effect of Nickel doping on the Multifunctional properties of Bulk Sodium acid phthalate Single Crystals	Offline Mode (Atrium, ARSD College)
PP-43	MS. SIMRAN KUMARI	AMITY UNIVERSITY NOIDA	PP-43:-A study of etching of ZnO nanorods in presence of surfactant	Offline Mode (Atrium, ARSD College)
PP-44	MR. SUJIT KUMAR SAINI	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY NOIDA 201304, U.P. INDIA	PP-44:-Optimization of F shape highly sensitive metasurface based biosensor: a theoretical study	Offline Mode (Atrium, ARSD College)
PP-45	MS. SALONI SINGH	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY.	PP-45:-Prebiotic Cellulose as a Functional Material for Sustainable Nutrition.	Offline Mode (Atrium, ARSD College)
PP-46	MS. SWETA MEHRA	DELHI TECHNOLOGICAL UNIVERSITY	PP-46:-Study of lithium-ion diffusion coefficients thought analysis of CV, EIS and GITT for NiMn2O4 alternate anode material in Lithium-ion batteries	Offline Mode (Atrium, ARSD College)
PP-47	MS. TANYA DASILA	University of Delhi	PP-47:-Investigation of ferroelectricity in HZO thin films for memory device applications.	Offline Mode (Atrium, ARSD College)
PP-48	MS. VIJITA SINGH	Delhi Technological University	PP-48:-Lead free Piezoelectric Materials	Offline Mode (Atrium, ARSD College)
PP-49	MR. ARCHIT GUPTA	Department of Physics and Astrophysics, University of Delhi, Delhi	PP-49:-Green Synthesis of Ni-SnO2 Nanoparticles for Gas Sensing Applications	Offline Mode (Atrium, ARSD College)
PP-50	MR. SHUBHAM SHARMA	DELHI TECHNOLOICAL UNIVERSITY	PP-50:-Design and simulation of a terahertz sensor for blood components detection using photonic crystal fiber.	Offline Mode (Atrium, ARSD College)
PP-51	MR. ANAND PARASAR	Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur, Uttar Pradesh	PP-51:-Tm ³⁺ doped calcium gallium silicate phosphor for solid state lighting application	Online via Google Meet/Zoom
PP-52	MS. JYOTI SHARMA	Amity University Uttar Pradesh, Noida	PP-52:-Light weight and flexible NiMOF/GO composite paper for excellent EMI shielding performance	Online via Google Meet/Zoom
PP-53	MR. NEERAJ DHARIWAL	Material Analysis and Research laboratory, NSUT, Dwarka, New Delhi-110078, India	PP-53:-Room-Temperature Ethanol Sensor based on novel ZnFe2O4 gel	Online via Google Meet/Zoom
PP-54	MR. MAYANK GOYAL	Materials Analysis and Research Laboratory, Department of Physics, Netaji Subhas University of Technology, New Delhi-110078, India	PP-54:-Deciphering the effect of Cu substitution on the structural, morphological, electrical, and magnetic properties of YCrO3 for developing high frequency device application	Online via Google Meet/Zoom
PP-55	MR. HARSHAL PANDURANG BORSE	CHANDMAL TARACHAND BORA COLLEGE OF ARTS, COMMERCE AND SCIENCE SHIRUR DIST. PUNE	PP-55:-Investigation of Diverse Properties of Copper doped PbS Thin Films Synthesized via Solution Growth Technique	Online via Google Meet/Zoom
PP-56	MS. KANIKA KARDAM	DELHI TECHNOLOGICAL UNIVERSITY	PP-56:-Spectroscopic and photoluminescence studies of Sm ³⁺ ions doped Strontium Calcium Tungstate phosphor for reddish orange photonic device applications.	Offline Mode (ARSD College, Dhalakuan, New Delhi India)
PP-57	MR. OMKAR RAJAN SALVI	M. M. College Of Arts, N. M. Institute Of Science, H. R. J. College Of Commerce ,Bhavan's College	PP-57:-Electrochemical Comparison of CNF and Polyaniline: Advancing Supercapacitor Performance	Online via Google Meet/Zoom
PP-57	MR. GIRIRAJ DILIP DANDEKAR	M. M. College Of Arts, N. M. Institute Of Science, H. R. J. College Of Commerce, Bhavan's College (Autonomous), Munshi nagar, Andheri (w), Mumbai 58	PP-57:-Electrochemical Comparison of CNF and Polyaniline: Advancing Supercapacitor Performance	Online via Google Meet/Zoom
PP-58	MS. MANU BURA	Kurukshetra University, Kurukshetra	PP-58:-Tuning the Structural, Morphological and Optical Properties of Ar ⁺ implanted ZnO/ Si(111) Films	Online via Google Meet/Zoom
PP-59	MS. PRAYASHA SATPATHY	GANGADHAR MEHER UNIVERSITY, SAMBALPUR	PP-59:-Influence of Impurity on the Study of Phonon Excitation Spectrum in Some Heavy Fermion (HF) Systems	Online via Google Meet/Zoom
PP-60	MS. REEMA GUPTA	Department of Physics, Hindu College, University of Delhi	PP-60:-Enzymatic kinetics of Starch in Saliva	Online via Google Meet/Zoom
PP-61	MS. VISHAKHA SHARMA	Delhi Technological University	PP-61:-Novel Chiral Metasurface Enabling Directional Reflection Control and Refractive index sensing	Online via Google Meet/Zoom
PP-62	MR. LERATO DENIS TITII	DELHI TECHNOLOGICAL UNIVERSITY	PP-62:-Temperature Dependence of Complete Photonic Band Gap in 2D Photonic Crystal Structure	Online via Google Meet/Zoom

PP-63	MS. ANUSHKA SAXENA	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY	PP-63:-From Green Plastics to Bone Regeneration: The Emerging Role of PHAs in Tissue Engineering and Biomedical Innovation	Online via Google Meet/Zoom
PP-64	MS. BHAVYA	SURESH GYAN VIHAR UNIVERSITY, JAIPUR	PP-64:-Tailoring Dielectric Response in SrTiO ₃ -Poly Ethylene Oxide Composites	Online via Google Meet/Zoom
PP-65	MR. ABHYUDAI SINGH GAHLOT	AMITY UNIVERSITY NOIDA, SEC- 125 U.P.	PP-65:-Investigation of Omnidirectional Reflection Band of 1d Photonic Crystal containing Porous Silicon layer	Online via Google Meet/Zoom
PP-66	MR. HARSHMANI YADAV	Department of Electronics and Communication Engineering, Netaji Subhas University of Technology, Sector 3, Dwarka, New Delhi - 110078, India	PP-66:-Design and implementation of a Circular Polarization Dielectric Resonator Antenna Utilizing a Parasitic in GPS and Wi-Fi applications	Online via Google Meet/Zoom
PP-67	MR. KULDEEP SINGH	DELHI TECHNOLOGICAL UNIVERSITY	PP-67:-Plasma-Driven CNT Radius Optimization: Investigating Its Effect on Solar Cell Efficiency	Online via Google Meet/Zoom
PP-68	MS. KIRAN	National Institute of Technology Kurukshetra	PP-68:-Photon Storage Mechanisms in SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ : Engineering Long-Lasting Afterglow for Low-Power, High-Durability Defence Navigation	Online via Google Meet/Zoom
PP-69	MR. BHAVAY LUTHRA	DELHI TECHNOLOGICAL UNIVERSITY	PP-69:-Broadband Multi-Patterned Metamaterial Absorber for Mid-Infrared Region	Online via Google Meet/Zoom
PP-70	MR. GAURAV KUMAR	DELHI TECHNOLOGICAL UNIVERSITY	PP-70:-A study of anomalous Nernst effect in half-metallic ferromagnetic full Heusler compound Co ₂ YSb	Online via Google Meet/Zoom
PP-71	MS. SHIVANI THAKUR	Jaypee University of Information Technology Waknaghat Solan (HP)	PP-71:-Magnetic Weyl Semimetallic phase of the bulk FeNi ₃ : a DFT study	Online via Google Meet/Zoom
PP-72	MS. SHWETA YADAV	Delhi Technological University	PP-72:-Structural, morphological and photoluminescent studies of Dy ³⁺ doped BaZr(PO ₄) ₂ phosphor for white LEDs and indoor lighting applications	Online via Google Meet/Zoom
PP-73	MR. KARAN KINDRA	SGGS KHALSA COLLEGE, Sector 26 Chandigarh	PP-73:-Probing the Electronic Properties of Gallium Sulfide (GaS): A DFT Study	Online via Google Meet/Zoom
PP-74	MS. RAKHI PANDEY	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY	PP-74:-PHA-Based Biosensors: Revolutionizing Medical Diagnostics and Environmental Monitoring	Online via Google Meet/Zoom
PP-75	MS. HEENA	JAMIA MILLIA ISLAMIA	PP-75:-Exploring the structural, mechanical, electronic, and optical properties of new double halide perovskite Cs ₂ RbSnCl ₆ for energy applications: A DFT Approach	Online via Google Meet/Zoom
PP-76	MR. ANKIT LATHWAL	Deenbandhu Chhotu Ram University Of Science And Technology, Murthal (Haryana)	PP-76:-Structural and Electrical Properties of Lithium-Doped Magnesium Ferrite (MFO)	Online via Google Meet/Zoom
PP-77	MS. RIYA MALIK	DCRUST MURTHAL	PP-77:-To investigate structural and dielectric properties of lead free Nd-doped BT Ceramics	Online via Google Meet/Zoom
PP-78	MR. SUNIL B P	KUVEMPU UNIVERSITY	PP-78:-Structural and optical study of sodium ion doped HPMC solid polymer electrolytes	Online via Google Meet/Zoom
PP-79	MS. ANKITA KHAN	DELHI TECHNOLOGICAL UNIVERSITY	PP-79:-Synthesis, Morphology and Luminescent Properties of Ca ₃ Y ₂ WO ₉ :Dy ³⁺ Phosphors for w-LED applications	Online via Google Meet/Zoom
PP-80	MR. SAROJ KUMAR JHA	Delhi Technological University (DTU)	PP-80:-Structural and Magnetic Properties of Trilateral Spin Valve Structure ~YIG/Ta/Ni	Online via Google Meet/Zoom
PP-81	MS. BIDISHNA BASUMATARY	Delhi Technological University	PP-81:-Bionanotechnology-Driven Systems for Environmental Studies: Innovations in Monitoring and Remediation	Online via Google Meet/Zoom
PP-82	MS. SHIKHA VERMA	DELHI TECHNOLOGICAL UNIVERSITY	PP-82:-Reddish-Orange Emitting Thermally Stable Sm ³⁺ doped Sr ₂ LaSbO ₆ Phosphor for Applications in w-LEDs	Online via Google Meet/Zoom
PP-82	MR. LABHANSH CHAURASIA	DELHI TECHNOLOGICAL UNIVERSITY	PP-82:-Reddish-Orange Emitting Thermally Stable Sm ³⁺ doped Sr ₂ LaSbO ₆ Phosphor for Applications in w-LEDs	Online via Google Meet/Zoom
PP-83	MS. BHABANA DAS	DELHI TECHNOLOGICAL UNIVERSITY	PP-83:-Synthesis, Morphology and Luminescent Properties of Ca ₃ Y ₂ WO ₉ :Dy ³⁺ Phosphors for w-LED applications	Online via Google Meet/Zoom

PP-84	MR. AJAY KUMAR SAO	Department of Physics and Astrophysics, University of Delhi, Delhi, India- 110007	PP-84:-Room temperature detection of DMMP with nanostructured SnO ₂ thin films for potential prototyping	Online via Google Meet/Zoom
PP-85	MS. PUJA SOREN	Delhi Technological University	PP-85:-Exploring the impact of Gaussian impurity potential on thermodynamic quantities in a doped quantum wire under the electromagnetic field influence	Online via Google Meet/Zoom
PP-86	MS. YASHIKA AGARWAL	DPS International, Gurgaon	PP-86:-Investigating C ₆₀ Doping Effects for Efficiency in CsSnCl ₃ Solar Cells Using SCAPS-1D	Online via Google Meet/Zoom
PP-87	MS. JYOTI CHAUHAN	DELHI TECHNOLOGICAL UNIVERSITY	PP-87:-As ₂ Se ₃ based alternate ring controlled photonic crystal fiber for mid-infrared region	Online via Google Meet/Zoom
PP-88	MR. GUNJAN	CSE-AI&ML, RKGIT	PP-88:-Pervasiveness of unused medicine and detecting expiry dates using Machine Learning	Online via Google Meet/Zoom
PP-89	MR. AMIT KUMAR	Radhey Hari Government Post Graduate College Kashipur, Kumaun University, Nainital, Uttarakhand- 244713,India	PP-89:-Metal thin film and polymer composite based sandwich structure for EMI shielding application in X-band (8.2- 12.4 GHz)	Online via Google Meet/Zoom
PP-90	MS. SRISHTI KAMBOJ	IIT ROORKEE	PP-90:-Advancements in electrolyte for Aqueous Zinc-Sulfur Batteries: A Review	Online via Google Meet/Zoom
PP-91	MR. VIVEK YADAV	UNIVERSITY OF LUCKNOW	PP-91:-Impact of the nature of electrolyte on electrochemical performance of NaTi ₂ (PO ₄) ₃ as an electrode material for pseudocapacitive applications	Online via Google Meet/Zoom
PP-92	MS. SEEMA	DELHI TECHNOLOGICAL UNIVERSITY	PP-92:-Er ³⁺ -Doped Silicate Phosphor: A Potential Green-Emitter	Online via Google Meet/Zoom
PP-93	MR. RAVI SINGH	DELHI TECHNOLOGICAL UNIVERISTY	PP-93:-Computational investigation of thermoelectric properties of a oxide-perovskite CuLuO ₃	Online via Google Meet/Zoom
PP-94	MS. GARIMA SINGH	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA	PP-94:-Synthetic Coculture-Driven Bacterial Cellulose: Innovation and Applications in Material Science	Online via Google Meet/Zoom
PP-95	MS. BHUMIKA	AMITY UNIVERSITY NOIDA (CAMPUS)	PP-95:-The study of Non- Classical phenomena	Online via Google Meet/Zoom
PP-96	MR. RAZI UR RAHMAN	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA 62	PP-96:-Future of Food Preservation: Chitosan-Based Edible Coatings	Online via Google Meet/Zoom

Zoom/Google Meet Link (AFMD-2025)

Date/Day	Events	Online Link
03 March 2025 Day-01 Multipurpose Hall ARSD College	Inaugural Function	Join Zoom Meeting https://us06web.zoom.us/j/89191095414?pwd=QQPfZBncrfAQU5eDxDKAxr0vgH2gH.1 Meeting ID: 891 9109 5414 Passcode: 008013
	Plenary Talk-1	
	Keynote Lecture -1	
	Invited Talk Session-1	
	Oral Presentation Session-1	
	Invited Talk Session-2	https://meet.google.com/oqp-fyrn-uxs
	Oral Presentation Session-2	PIN: 902 556 727#
04 March 2025 Day-02 Online Mode	Plenary Talk-2 & 3	Join Zoom Meeting https://us06web.zoom.us/j/89191095414?pwd=QQPfZBncrfAQU5eDxDKAxr0vgH2gH.1 Meeting ID: 891 9109 5414 Passcode: 008013
	Keynote Lecture -2	
	Invited Talk Session-2	
	Oral Presentation Session-2	
	Invited Talk Session-1, Plenary Talk-2	https://meet.google.com/oqp-fyrn-uxs
	Oral Presentation Session-1	PIN: 902 556 727#
	Invited Talk Session-3	https://meet.google.com/rru-shkg-eov
	Oral Presentation Session-3	PIN: 322 576 260#
	(Indian Knowledge System) Invited Talk Session-4	https://meet.google.com/exx-pzfo-mcw
	Oral Presentation Session-4	PIN: 378 594 598#
Online Poster Presentation Session-5	https://meet.google.com/cqh-jhds-wxa PIN: 738 188 357#	

05 March 2025 Day-03 Online Mode	Plenary Talk-5	Join Zoom Meeting https://us06web.zoom.us/j/89191095414?pwd=QQPfZBncrfAQlu5eDxDKAXr0vgH2gH.1 Meeting ID: 891 9109 5414 Passcode: 008013
	Keynote Lecture-3	
	Invited Talk Session-2	
	Oral Presentation Session-2	
	Invited Talk Session-1	https://meet.google.com/oqp-fyrn-uxs PIN: 902 556 727#
	Oral Presentation Session-1	
	Invited Talk Session-3	https://meet.google.com/rru-shkg-eov PIN: 322 576 260#
	Oral Presentation Session-3	
	Invited Talk Session-4	https://meet.google.com/exx-pzfo-mcw PIN: 378 594 598#
	Oral Presentation Session-4	
	Online Poster Presentation Session-5	https://meet.google.com/cqh-jhds-wxa PIN: 738 188 357#