

NO CHANGE IN SCHEDULE WILL BE CONSIDERED

78th ACCELERATOR USERS' WORKSHOP

JULY 04, 2025 (FRIDAY)

09:00 – 09:15	WELCOME ADDRESS BY DIRECTOR, IUAC FOLLOWED BY REMARKS BY CHAIRMAN, AUC
	<i>Session Chairperson:</i>
09:15 – 11:00	<i>Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
78102	14C of Naara Huda Archaeological Site, Tirimal, Dist- Khurda, Odisha.: Dr. Prasanna Kumar Dikhit, Archaeological Survey of India, Bhubaneswar, Odisha.
78230	Geochemical studies of lake sediments from the Wular Lake, Jammu & Kashmir, India.: Mr. Mukhtar Hasan Ahmad C/o. Prof. S. A. Rashid, AMU, Aligarh, Uttar Pradesh.
78104	Spatio- temporal assessment of denudation rates and sediment provenance: implication to understand surface processes and channel connectivity in upper Ganga catchment.: Dr. Poonam, IIT Roorkee, Uttarakhand.
78106	Early Iron Age chronology of India: From Ganga to Wainganga.: Dr. Virag Gopal Sontakke, Banaras Hindu University, Varanasi, Uttar Pradesh.
78107	Holocene vegetation and climate dynamics in the cold-arid regions of Lahaul-Spiti, Northwest Himalaya.: Dr. Deepika Tripathi, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand.
78108	Quantification of vegetation using pollen in the present and past landscapes of Core Monsoon Zone using a novel approach.: Dr. Anjali Trivedi, Birbal Sahni Institute of Palaeosciences, Lucknow, Uttar Pradesh.
78109	14C analyses of vertebrate remains from the pre-and post Youngest Toba Tuff ash, Indonesia in the Quaternary alluvial sediments of the Purna basin, Maharashtra, India.: Mr. Ajab Singh, BGRL, Karad, Maharashtra.
	11:00 – 11:15 BREAK
	<i>Session Chairperson:</i>
11:15 – 13:00	<i>Session II: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
78110	Tracing the strength of the Indian Monsoon and associated change in hydrographic condition from the Bay of Bengal during the late Quaternary.: Dr. Ramanand Yadav, University of Lucknow, Lucknow, Uttar Pradesh.
78112	Segmentation of the Main Himalayan Thrust and seismic hazard potential in the NE Himalaya.: Dr. R. Jayangondaperumal, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand.
78113	Dating ancient wood samples from excavations in Patna.: Dr. M B Rajani, National Institute of Advanced Studies, Bengaluru, Karnataka.
78114	Chemical Weathering and sediment provenance in the northern part of the Bay of Bengal during the late Quaternary.: Dr. Gurumurthy GP, Birbal Sahni Institute of Palaeosciences Lucknow, Uttar Pradesh.
78115	Documenting age and Carbon sequestration of Heritage Trees of Bengaluru.: Dr. Prachi Gupta, School of Climate Change and Sustainability, Azim Premji University, Bengaluru, Karnataka.
78117	C14 dating of charchol samples from Ajatshatru ka Qila maidan/New Rajgriha, Rajgir, Dist- Nalanda, Bihar.: Dr. Sujeet Nayan, Archaeological survey of India, Dak Bungalow Square, Patna.
78130	Reconstruction of paleoflood history using Accelerator Mass Spectrometry and ICP-MS.: Prof. Y. Raghumani Singh, Manipur University, Imphal, Manipur.
78201	Establishing post-glacial exposure age and erosion rate of stable moraine boulders using combined 10Be-26Al and rock surface luminescence dating techniques in Jankar Valley, Lahaul Himalaya.: Mr. Arbaz Nayyumkhan Pathan C/o. Dr. Rabiul Haque Biswas, Indian Institute of Technology, IIT Kanpur, Uttar Pradesh.

13:00 - 14:00 BREAK	
Session Chairperson:	
14:00 – 16:00	Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78202	Geomorphic reconstruction of Bidyadhari-Padma meander bend region near the Chandraketurgh archaeological site of Lower Deltaic Bengal.: Ms. Swetangee Chowdhury C/o. Prof. Subhamita Chaudhuri, West Bengal State University, West Bengal.
78203	Intermediate water ventilation and fluctuations in the intensity of the Arabian Sea OMZ.: Ms. Niharika Panigrahi C/o. Dr. Sushant Suresh Naik, CSIR-NIO, Dona Paula, Panjim, Goa.
78204	Geochemical perspectives on late quaternary paleoenvironment: Monsoon variability, sediment provenance, and marine productivity from Southwestern Bay of Bengal Sediments.: Mr. Sudipto Kolay C/o. Dr. Reji Srinivas, NCESS, Thiruvananthapuram, Kerala.
78207	Active Tectonic and Paleoseismic studies along the Foothill zone of NE Himalaya, India.: Ms. Monika Kumaiya C/o. Prof. Javed N Malik, IIT Kanpur, Uttar Pradesh.
78208	Reconstruction of vegetation succession, climate change and human habitation imprints on lacustrine system in the Ganga plain during Holocene-Pleistocene period.: Ms. Savita Awasthi C/o. Prof. Dhruv Sen Singh, University of Lucknow, Lucknow, Uttar Pradesh.
78210	Paleoclimate reconstruction and depositional environment of the late quaternary sediments of Imphal Valley, Manipur (India): Microfossil and geochemical approach.: Mr. Takhellambam Lucky Singh C/o. Prof. Y. Raghurani Singh, Manipur University, Imphal, Manipur.
78212	Evolution of Indian Monsoon during Holocene: Insights from Northeastern Arabian Sea.: Mr. Trilochan Kumar C/o. Dr. Ramanand Yadav, University of Lucknow, Lucknow, Uttar Pradesh.
78213	A study of Indian monsoon variability during the Late Quaternary from wetlands/lake sediments of Manipur, NE India.: Mr. Yumnam Rojit Singh C/o. Dr. Champougam Panmei, Haridwar, Uttarakhand.
16:00 - 16:15 BREAK	
Session Chairperson:	
16:15 – 17:00	Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78214	Archaeozoological Investigations at the ancient settlements of Erenda and Bahiri in Coastal West Bengal, India.: Ms. Chandrima Shaha C/o. Dr. Kaushik Gangopadhyay, University of Calcutta, West Bengal.
78215	Holocene climate variability and environmental changes in Monsoonal Core Zone: A multiproxy study of sediment records from lakes around Korba Region, Chhattisgarh.: Mr. Pranit Bindusar Gajbhiye C/o. Prof. Sumedh K. Humane, Rashtrasant Tukadoji Maharaj(RTM) Nagpur University, Nagpur, Maharashtra.
78218	Reconstruction of present and Palaeo-glacial fluctuations in Alaknanda Basin.: Mr. Rohit Agnihotri C/o. Dr. Satheesh C., Dr. Harisingh Gour Central University, Sagar, Madhya Pradesh.
78219	Palaeoclimatic studies of quaternary sediments of Kannur-Kasaragod Districts, Kerala, India.: Ms. Vismaya Dileep C/o. Prof. Rajesh Reghunath, University of Kerala, Kerala.
78225	Active tectonic and paleoseismic study in the Kashmir intermontane basin (Northwestern Himalaya), India.: Mr. Suhail Ahmad Bhat C/o. Prof. Javed Husain Nurmohmed Malik, IIT Kanpur, Uttar Pradesh.
78103	Chronology and climatic implications of late quaternary glaciations in the Upper Liddar Valley, North West Himalaya, India.: Dr. Syed Umer Latief, Govt. Degree College, Magam Budgam, Jammu and Kashmir.
78232	Multiproxy reconstruction of Holocene paleoenvironments and paleoclimates from the sediment core retrieved from Thrissur-Ponnani Kule wetlands central Kerala, India.: Ms. Sreechitra S C/o. Dr. K. S. Arunkumar, University of Calicut, Malappuram, Kerala.

78th ACCELERATOR USERS' WORKSHOP

JULY 05, 2025 (SATURDAY)

Session Chairperson:	
09:15 – 11:00	Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78238	Evolution of the Riverine Island, Majuli, Assam, India, at the holocene time frame.: Ms. Priya Rani Saha C/o. Dr. Manasi Debnath, School of Sciences, Nagaland University, Nagaland.
78239	Climate variability and extreme events in the Indian subcontinent since the Last Glacial Maximum.: Mr. Saurabh Gupta C/o. Dr. Som Dutt, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand.
78242	Glacier Recessional and Geomorphological Changes in Western and Northern Sikkim Himalaya.: Mr. Sagar Dipak Mahalle C/o. Dr. Avinash M. Kandekar, Savitribai Phule Pune University(SPPU), Ganeshkhind, Pune, Maharashtra.
78245	Cultural response to mid-late Holocene Climate variability in semi-arid N-W India: An Archaeobotanical approach.: Ms. Mansi Swaroop C/o. Dr. Anil Kumar Pokharia, Birbal Sahni Institute of Palaeosciences, Lucknow, Uttar Pradesh.
78248	Paleomonsoon investigations using calcareous fossils from Northern Indian Ocean sediments.: Ms. Lakshmi A R C/o. Prof. Sijin Kumar A V, Central University of Kerala, Kerala.
78319	Indian monsoonal variability during the Late Quaternary: Multi-proxy approach Andaman Speleothems.: Dr. P. Thambidurai, Pondicherry University - Port Blair Campus, Brookshabad, Andaman and Nicobar Islands.
78332	Estimation of denudation rates along the southern and northern margins of the Shillong Plateau using cosmogenic ^{10}Be .: Dr. Atul Kumar Singh, North-Eastern Hill University, Shillong, Meghalaya.
11:00 – 11:15 BREAK	
Session Chairperson:	
11:15 – 13:00	Session II: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78122	Study of heavy ion induced fission in pe-actinide region through Mass distribution and Neutron multiplicity measurements.: Dr. Saneesh nedumbally, IUAC, New Delhi, Delhi.
78125	Astrophysical study of the $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ reaction via $^{12}\text{C}(^{11}\text{B},^7\text{Li})^{16}\text{O}$.: Dr. Tanmoy Bar, Inter- University Accelerator Centre (IUAC), New Delhi, Delhi.
78206	Long-term climate variability and human influence on Nal Sarovar Lake in Gujarat, Western India.: Ms. Vaishnavi Tyagi C/o. Dr. Resmi M.R., Banasthali Vidyapith, Rajasthan.
78223	Study of induced fission in actinides using prompt fission neutron and gamma.: Ms. Mareena Thomas Arakkal C/o. Dr. Gayatri Mohanto, BARC, Mumbai, Maharashtra.
78224	Study of fission dynamics in odd-Z sub-lead nuclei.: Mr. Sagar Roy C/o. Prof. Moumita Maiti, Indian Institute Of Technology Roorkee, Uttarakhand.
78228	Investigating heavy ion fusion-fission dynamics via mass gated neutron multiplicity measurements.: Ms. Aliya Thasnim H C/o. Dr. Shareef M., National Institute of Technology, Calicut, Kerala.
78244	Fusion studies in $^{19}\text{F} + ^{156,157,158}\text{Gd}$ reactions around the Coulomb barrier energy.: Ms. Karthika V C/o. Dr. Shareef M, National Institute of Technology Calicut, Kerala.

13:00 - 14:00 BREAK	
Session Chairperson:	
14:00 – 16:00	Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78247	Understanding the interplay of different nuclear reactions in 10B+116Sn system from deep sub- to above-barrier energies.: Ms. Nancy Garg C/o. Dr. Pushpendra P. Singh, IIT Ropar, Rupnagar, Punjab.
78249	Probing fission dynamics in the Pre-Actinide Region: Impact of entrance channel parameters and quasifission signatures.: Ms. Rupinderjeet Kaur C/o. Dr. Pushpendra P. Singh, Indian Institute of Technology, Ropar, Punjab.
78250	Nuclear spectroscopy of 196Au above and below the long-lived isomer.: Ms. Pooja Singh C/o. Dr. M. Hemalatha, University of Mumbai, Mumbai, Maharashtra.
78251	Evolution of Nuclear Structure around Z=82 shell closure.: Mr. Ajay Kumar C/o. Dr. Deepika Chaudhury, IIT Ropar, Punjab.
78253	High-spin Gamma-ray Spectroscopic study of 67Ge, and Lifetime Measurements in 64Ga and 67Ge.: Mr. Anirban Goswami C/o. Dr. Buddhadev Mukherjee , Visva-Bharati, Santiniketan, Bolpur, West Bengal.
78328	Effect of Breakup on the elastic scattering and fusion mechanism of weakly Bound Projectiles.: Dr. Pargin Bangotra, Netaji Subhas University of Technology, Dwarka, New Delhi, Delhi.
78335	Investigation of fusion-fission dynamics of 197Bi nucleus through ER- and fission-gated neutrons.: Dr. Meenu Thakur, Central University of Haryana, Mahendergarh, Haryana.
16:00 - 16:15 BREAK	
Session Chairperson:	
16:15 – 17:00	Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78301 & 78501	Understanding the evolution of organic matters in space by studying proton collision induced dissociation dynamics and kinetics in alkanes.: Dr. Preeti Manjari Mishra, Government Women's College Keonjhar, Bhubaneswar, Odisha.
78111 & 78512	Electron temperature measurements in Xenon Plasma using Optical Emission Spectroscopy.: Dr. Soumen Ghosh, Ahmedabad University, Navrangpura, Ahmedabad, Gujarat.
78128 & 78521	Swift proton induced dissociation dynamics of astronomically significant PANHs.: Prof. Umesh Kadhane, Indian Institute of Space Science and Technology(IIST), Thiruvananthapuram, Kerala.
78119	Radiation test on Dosimeter.: Dr. Sumesh M. A., ISRO, Laboratory for Electro-Optics Systems (LEOS) Bangalore, Karnataka.
78120	Study on utilizing Li-Ion beam radiation in Sorghum (Sorghum bicolor L.) to improve grain yield and abiotic stress tolerance.: Dr. Ashok Badigannavar, NABTD, Bhabha Atomic Research Centre, Trombay, Mumbai, Maharashtra.
78236	Investigate the radiation induced bystander effect using a novel PDMS microwell array chips.: Ms. Varshini Raju C/o. Dr. (Mrs.) C. S. Sureka, Bharathiar University, Coimbatore, Tamil Nadu.
78315	Transcriptomic and proteomic analysis of DNA repair genes of Human Prostate Cancer cell line exposed to High Let Radiation.: Dr. Pallavi Srivastava, Galgotias University, Greater Noida, Uttar Pradesh.

78th ACCELERATOR USERS' WORKSHOP

JULY 06, 2025 (SUNDAY)

Session Chairperson:	
09:15 – 11:00	Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78126	Effect of high energy ion irradiation in NC-Ni - A potential material for molten salt reactors.: Dr. Christopher David, Materials Science Group, IGCAR , Kalpakkam, Tamil Nadu.
78211	Applications of grass phytolith as a proxy for climate and vegetation interpretation in the Western Ghats: A paleoecological approach.: Ms. Gayathri Rajendiran C/o. Dr. Vivek Pandi, Manipal Academy of Higher Education, Manipal.
78220	Swift Heavy Ion (SHI) irradiation effects on Pure and Doped Bismuth Ferrite (BiFeO ₃).: Ms. Aboorvaa L. B C/o. Dr. S. Gokul Raj, Pondicherry University, Puducherry.
78222	Ion beam irradiation on nanocrystalline pure and rare earth doped Yttrium Oxide (Y ₂ O ₃) for luminescent application.: Ms. Surya S C/o. Dr. S. Gokul Raj, Pondicherry University, Puducherry.
78226	Swift heavy ion irradiation induced modifications in undoped and metal doped SnO ₂ and their applications in surface enhanced Raman scattering.: Ms. Surya Lakshmi Pentapati C/o. Dr. V. Saikiran, GITAM deemed to be University, Visakhapatnam, Andhra Pradesh.
78235	Synthesis and characterisation of metal oxide-based hybrid nanocomposites with reduced graphene oxide (rGO) for gas sensing applications.: Mr. Saurabh Pandey C/o. Dr. Subhash Chandra Pokhriyal, P. N. G. P. G. College Ramnagar, Uttarakhand, Kumaun University, Nainital, Uttarakhand.
78241	Investigation on magnetoelectric and magnetodielectric properties of multiferroic composites.: Ms. Payalkumari Mathurbhai Savaliya C/o. Dr. Ashish R. Tanna, RK University, Rajkot, Gujarat.
11:00 – 11:15 BREAK	
Session Chairperson:	
11:15 – 13:00	Session II: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78246	Two-dimensional material for electronic application.: Ms. Neetu Raj Bharti C/o. Dr. Neeraj Goel, Netaji Subhas University of Technology(NSUT), Dwarka, New Delhi, Delhi.
78256	Modification of Proteins using SHI for film formation.: Ms. Nikita Rawat C/o. Prof. Sunita Rattan , Amity University, Noida, Uttar Pradesh.
78302	Effect of high energy ion irradiation in L-Histidine and Lactic acid impurity added KHP thin film for enhancing third order harmonic generation.: Dr. Sinthiya Arockiasamy, St. Joseph's College (Autonomous), Tiruchirappalli, Tamil Nadu.
78303	Investigating glass properties exposed to high proton fluence radiations.: Prof. Sudha D Kamath, Manipal Institute of Technology(MIT), Manipal Academy of Higher Education (MAHE), Manipal, Udupi, Karnataka.
78304	Tuning/healing of Oxygen vacancies in combustion synthesised transition metals doped BaTiO ₃ used for capacitors applications.: Dr. Siddheswaran R, Pondicherry University, Pondicherry.
78305	Swift Heavy ions induced modification of the 2D materials (SnS ₂ , WSe ₂ , MXenes) for catalytic CO ₂ Utilization and N ₂ fixation.: Prof. Sk Manirul Islam, University of Kalyani, Kalyani, Nadia, West Bengal.
78306	Study of impact of irradiation on the graphene-metal oxide based nanocomposites CO ₂ sensors in the extraterrestrials environmental.: Prof. J. Gajendiran, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.
78308	Experimental and Theoretical investigations on Energy Efficient Heusler Alloys for thermoelectric applications.: Dr. Arvind Kumar, School of Physical Sciences, Jawaharlal Nehru University, New Delhi, Delhi.

13:00 - 14:00 BREAK	
Session Chairperson:	
14:00 – 16:00	Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78311	Enhancement of electrocatalytic properties of SHI treated Carbon dots (Rare-earth metals doped) for an improved green Hydrogen energy generation.: Dr. V. Gunasekaran, School of Technology, Central University of Tamil Nadu, Neelakudi, Thiruvavur, Tamil Nadu.
78312	SHI irradiation's impact on single and composite multiferroic thin film properties.: Prof. Mohd Ikram, NIT Srinagar, Kashmir, Jammu and Kashmir.
78313	Development of electrochemical and hybrid pseudocapacitor based on Swift Heavy Ion beam modified Nickel Cobalt Sulfide/multi-walled carbon nanotubes (Ni ₂ CO ₂ S ₂ /MWCNT) nanocomposite.: Dr. Manohara Babu I, Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu.
78314	Ion implantation-induced modulation of ferroelectric and optical properties in Aurivillius Phase Bi ₅ FeTi ₃ O ₁₅ (BFTO) thin films.: Dr. Sudheendran Kooriyattil, Sree Kerala Varma College, Kanattukra, Thrissur, Kerala.
78316	Swift Heavy Ion-tailored Ba ₂ In ₂ O ₅ based heterostructured photoactive electrodes for Photocatalytic Fuel cells: Boosting Photo-activity for Energy and tertiary waste water remediation.: Dr. Shubra Singh, Crystal Growth Centre, Anna University, Chennai, Tamil Nadu.
78317	Impact of swift heavy ion irradiation on the structural, magnetic, and optical properties of Rare-earth doped Nickel-Copper Ferrite.: Dr. P. Raji, Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu.
78321	Engineering the functional and shielding properties of advanced polymer nanocomposites by swift heavy ion irradiation: Dr. Parvej Ahmad Alvi, Banasthali Vidyapith, Rajasthan.
78325	Radiation hardness of Organic Solar Cell for space applications.: Dr. Rahul Singhal, MNIT Jaipur, Rajasthan.
78326	Study the SHI Induced effects on electrochemical performance of MXene nanosheet and their Hybrid composites for Supercapacitor Application.: Dr. Nutan Sharma, Vivekananda Global University, Jaipur, Rajasthan.
16:00 - 16:15 BREAK	
Session Chairperson:	
16:15 – 17:15	Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78327	Ion implanted doping in two-step spin-crossover compound.: Dr. Swapan Kumar Mandal, Visva-Bharati, Santiniketan, West Bengal.
78330	Ion beam induced synthesis of coupled plasmonic nano-structures.: Dr. Udai Bhan Singh, D. D. U. Gorakhpur University, Gorakhpur, Uttar Pradesh.
78333	Study the impact of Swift heavy ion irradiation on Mxene for gas sensing application.: Dr. Amit Sanger, Netaji Subhas University of Technology New Delhi, Delhi.
78334	Tailoring of electrical, magnetic and transport properties of SrMnO ₃ thin films via irradiation.: Dr. Davit Dhruv, Saurashtra University, Rajkot, Gujarat.
78336	Swift heavy ion irradiation induced modification of bimetallic and multi-layered nanostructured thin films for SERS applications.: Dr. Saikiran Vadavalli, Gitam Institute Of Science, Gandhi Institute of Technology And Management(GITAM) Deemed to be university, Visakhapatnam, Andhra Pradesh.
78338	Influence of swift heavy ions irradiation on Growth Mechanism and Band Gap Engineering of Novel 2D transition metal dichalcogenide for optoelectronic applications using Chemical Vapor Deposition (CVD) Technique.: Dr. Ajay Singh Dadwal, Govt. Gandhi Memorial Science College, Jammu, Jammu and Kashmir.
78339	Ion beam modified Fe ₂ O ₃ @rGO nanocomposite biosensors for enhanced detection of neurofilament light chain in Neurodegenerative Diagnostics.: Prof. Ghulam Nabi Dar, University of Kashmir, Srinagar, Jammu and Kashmir.

78th ACCELERATOR USERS' WORKSHOP

JULY 07, 2025 (MONDAY)

Session Chairperson:	
09:15 – 11:00	Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78341	Defect-driven tuning of electron affinity in SHI irradiated CeO ₂ and HfO ₂ nanofilms.: Dr. Upendra Kumar, IIT Allahabad, Prayagraj, Uttar Pradesh.
78503	Reducing SOT Switching Current Densities in Pt/Co multilayers with perpendicular magnetic anisotropy via Interface Engineering using Ion Irradiation.: Mrs. Deeksha Khandelwal, Inter-University Accelerator Centre(IUAC), New Delhi, Delhi.
78508	Ion Implantation-induced modulation of ferroelectric and optical properties in Aurivillius Phase Bi ₅ FeTi ₃ O ₁₅ (BFTO) thin films.: Dr. Sudheendran Kooriyattil, Sree Kerala Varma College, Kanattukra, Thrissur, Kerala.
78509	Improving the performance of polysulfone based composite membranes for water purification through post synthesis ion beam modification.: Prof. Divya Padmanabhan, Pillai College of Engg., Navi Mumbai, Maharashtra.
78522	Defect engineering in WO _x thin films via Low-energy ion implantation for enhanced broadband photodetection performance.: Dr. Ashis Kumar Manna, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh.
78525	Synthesis and Characterization of Bio-inspired nanoparticle for inhibition of ambient microbial components.: Dr. Ranjit Kumar, Dayalbagh Educational Institute, Dayalbagh Agra, Uttar Pradesh.
78528	Effect of Low-energy Hydrogen ion irradiation on the physical properties of Single-Crystal Perovskite Oxides.: Dr. Ashok Kumar, Medicaps University, Indore, Madhya Pradesh.
11:00 – 11:15 BREAK	
Session Chairperson:	
11:15 – 13:00	Session II: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78529	Surface and defect engineering of PdSe ₂ and PtSe ₂ by Low-energy ion bombardment for Gas Sensing application.: Dr. Neeraj Goel, Netaji Subhash University of Technology(NSUT), Dwarka, New Delhi, Delhi.
78533	Radiation response of Advanced Fast Breeder reactor structural materials.: Dr. R. Mythili, Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu.
78307 & 78504	Enhanced Photoelectrocatalysis of Anodes in Alkaline Electrolyzers via Ion Beam Irradiation for Green Hydrogen Production.: Dr. P. Sivakumar, Thiagarajar College of Engineering, Tamil Nadu.
78216 & 78505	Ion beam studies of SiC and GaN based devices.: Prof. SVS Nageaswara Rao, University of Hyderabad, Telangana.
78217 & 78506	Development of Resistive Random access memory based Radiation Sensors.: Prof. SVS Nageaswara Rao, University of Hyderabad, Telangana.
78309 & 78507	Surface engineering of MXene by Ion-beam Irradiation: Enabling its properties for Electrochemical Applications.: Dr. Pranati Nayak, ICT-IOCB Odisha Campus, Bhubaneswar, Odisha.
78229 & 78511	Engineering of WS ₂ /WO ₃ heterostructures for the fabrication of advanced photodetector devices.: Ms. Sakshi Tyagi, University Of Petroleum And Energy Studies(UPES), Bidholi, Dehradun, Uttarakhand.
78320 & 78514	Exploring the possibility of engineering defects in Bismuth Telluride by irradiating it with Low energy Ag ion beam for enhancement of superconductivity.: Prof. Seema Vats, Motilal Nehru College, University of Delhi, South Campus, New Delhi, Delhi.

13:00 - 14:00 BREAK	
Session Chairperson:	
14:00 –16:00	Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78231 & 78515	Fabrication of Ga ₂ O ₃ heterostructure based UV Photodetector by using ion beam for tuning the structural, optical, and electrical properties.: Ms. Nidhi Khare, IIT (ISM) Dhanbad, Jharkhand.
78322 & 78517	Development of Proton-implanted Oxide memristors via ion beam techniques for Energy-efficient neuromorphic computing.: Dr. Satya Prakash Pati, North-Eastern Hill University(NEHU), Shillong, Meghalaya.
78318 & 78518	Development of ion beam irradiated SnO ₂ nanofibers for Gas Sensing Applications.: Dr. R. Sudha Periatthai, The Standard Fireworks Rajaratnam College for Women,Sivakasi, Tamil Nadu.
78323 & 78519	Synergetic impact of Ion-beam implantation on physicochemical and electrochemical properties of Solid- state electrolytes for Rechargeable Batteries.: Dr. Amrish K. Panwar, Delhi Technological University, New Delhi, Delhi.
78237 & 78520	SHI irradiation and ion beam assisted modifications in multifunctional properties of flexible multiferroics.: Ms. Krina A. Ramani, Saurashtra University, Rajkot, Gujarat.
78329 & 78523	Ion irradiation modified the inverse opal metal oxide photonic crystal for tunable optical properties.: Dr. Sanju Rani, SRM Institute of Science and Technology , Ramapuram, Chennai, Tamil Nadu.
78240 & 78526	Irradiation effects of high energy Gamma photon and low energy H ₂ and He ions on the dielectric performance of BST thin film.: Mr. Ateed Ahmad C/o. Dr. K. C. James Raju, CASEST School of Physics University of Hyderabad, Hyderabad, Telangana.
78331 & 78527	Exploring 2D Material-Based Field effect transistors (FETs) for Space-Grade Electronics through Ion Irradiation.: Dr. Laxmi Dhanaraju Varma Sangani, CASEST, School of Physics, University of Hyderabad, Hyderabad, Telangana.
16:00 - 16:15 BREAK	
Session Chairperson:	
16:15 – 17:00	Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
78234 & 78530	Development of lead-free, single-phase magnetoelectric multiferroic ceramics for straintronic applications.: Mr. Nilesh Kumar Prasad C/o. Dr. Satya Prakash Pati, North-Eastern Hill University(NEHU), Shillong, Meghalaya.
78124 & 78516	Radiation response of ceramic composites: Understanding role of thermal conductivity and interphase boundaries.: Dr. Rakesh R Shukla, Bhabha Atomic Research Centre (BARC) Mumbai, Maharashtra.