

General Instructions

1. Presentation schedule AUC-76 is enclosed. Invitation letter will be sent to PI through registered email soon.
2. Accommodation List AUC-76 is enclosed. Accommodation on shared basis only.
3. All presentations will be STRICTLY in-person mode at IUAC. Request for online presentation will not be considered. Presentations for AUC-76 will be held on 4-7 July 2024 at IUAC.
4. Details of who should defend the proposal at IUAC can be found on our website at: <https://www.iuac.res.in/how-and-when-apply-beam-time-iuac>
5. Due to limited availability, accommodation will be provided to only one person to defend their proposal
 - a. For BTR 1, and BTR 5, accommodation is booked in the name of PI. In case, other collaborator/student is presenting on behalf of the PI than PI's name will be replaced by the presenter.
 - b. For BTR 3 presentations, Presentation must be by the Principal Investigator (PI) only. Room is booked for PI only.
 - c. For BTR 2 presentations, Presentation must be by student only. Room is booked for the student only. The guide/supervisor must attend the presentation by ONLINE MODE (a mandatory requirement)
6. Checkout STRICTLY at 10:00 AM on next day of the presentation (eg for presentation on 5 July 2024, accommodation will be booked from 4 July 2024 to 10:00 AM on 6 July 2024). No request for date/time change of accommodation and schedule will be considered. Your cooperation is solicited. Plan your travel accordingly.
7. All presentations will be STRICTLY in-person mode at IUAC.
8. For BTR 2, it is mandatory for the guide to attend the presentation through ONLINE MODE ONLY. Only the student, defending the BTR 2 proposal will be provided accommodation.
9. Accommodation will be on shared basis.
10. You are required to visit the following site regularly for checking any updates. No individual email communication will be made for any updates.
<https://www.iuac.res.in/user-dashboard>

PRESENTATION SCHEDULE
76th ACCELERATOR USERS' WORKSHOP
JULY 04, 2024 (THURSDAY)

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>
76222	Hydroclimatic variability over the Northwest Himalayan region during the Holocene period: Insights from lake sediments and modern water vapor isotopes.: (Duplicate of 76221): Mr. Anubhav Singh C/o. Dr. Yama Dixit, Centre for Atmospheric Sciences, Indian Institute of Technology (IIT) Delhi, New Delhi.
76105	Scientific investigation of excavated materials in excavation of Kaserua Khera, Village Manpur, Dist. Palwal, Haryana.: Dr. Gunjan Kumar Srivastava, Archaeological Survey of India, Pt. DDU Institute of Archaeology, Greater Noida.
76113	Determining the ages of Geoglyph Environments.: Prof. S. Sreekesh, JNU, New Delhi.
76101	Late Quaternary-Holocene paleolimnology of lakes in Kashmir Valley and Tamil Nadu.: Prof. Hema Achyuthan, Centre for Environmental Studies, Anna University, Chennai.
76102	14C of Pachkhed Archaeological Site, Nagpur, Maharashtra.: Prof. Prabash Sahu, RTM University, Nagpur, Maharashtra.
76107	Tracing Possible Climate Induced Methane Emissions from Hydrate Bearing Sediments off the Continental Margin of Chile: Benthic Foraminifera Proxies.: Prof. Anil Kumar Gupta, IIT Kharagpur, W.B.
76110	Paleoclimatic evolution of the Indian subcontinent as recorded in continental archives during the Holocene.: Prof. Anil Kumar Gupta, IIT kharagpur, West Bengal.
	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>
76111	Geochemistry and Stable Isotope ($\delta^{13}C$ & $\delta^{18}O$) signatures of calcic palaeosols of the Ganga Plains-- implications on paleoclimate, and paleovegetation patterns.: Dr. Prasanna K, Birbal Sahni Institute of Palaeosciences, Lucknow.
76114	14C of Barabati Fort, Cuttack, Odisha.: Dr. Dibishada Brajasundar Garnayak, Archaeological Survey of India, MOC, Bhubaneswar.
76115	10 Beryllium.: Dr. Dibishada Brajasundar Garnayak, Archaeological Survey of India, MOC, Bhubaneswar.
76116	Quaternary landform evolution, tectonics and structural analyses across four different transects of the Indian Himalaya, extending from the Beas to Ganga Rivers in the western Himalaya and the Tista and Dikrong Rivers in the eastern Himalaya.: Dr. Rajeeb Lochan Mishra, Wadia Institute of Himalayan Geology, Dehradun.
76118	14C Bharatpur Archaeological Site, Bardhaman, West Bengal.: Dr. Shubha Majumder, Archaeological Survey of India, Mumbai.
76119	Deciphering paleo-cyclones during Holocene from Lacustrine deposits of east, west, and southern Indian region: probing beyond instrumental record.: Dr. Barnita Banerjee, CSIR-National Geophysical Research Institute, Hyderabad.
76124	Geochronology of the Amarkantak Plateau using XCAMS for 10Be, and 26Al Measurements Facilities.: Dr. Manoj Kumar, Indira Gandhi National Tribal University, Amarkantak, Dist Auppur, MP.

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)

- 76129 Late Quaternary climate and vegetational changes from the Spiti, NW Himalaya.: Dr. Prakasam M, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand.
- 76130 Determining the ages of the clay sculptures from Fossil Forest, Sattari, Goa.: Dr. Meenakshi, IITM-Pravartak Technoloies Foundation, Chennai.
- 76201 Scientific and Chronological Investigation of Ancient Construction Practices from UNESCO World Heritage Sites of Nalanda Mahavihara.: Mr. Nenshol Jayant Anand C/o. Dr. Vaibhav Singhal, Indian Institute of Technology Patna.
- 76204 Paleoclimatic reconstruction at Centennial Scale using multi-proxy records from Parsons and Sandynallah valleys in the Western Ghats of Southern Peninsula India.: Mr. Ajith Kumar K C/o. Dr A. Vidyasakar, Periyar University Centre for Post Graduate and Research Institute, Salem, Tamil Nadu.
- 76206 Temporal dynamics of Carbon sequestration, climate change and heavy metal contamination in the mangroves sediments along east coast of Tamil Nadu.: Ms. Aiswarya Baiju C/o. Dr. Anjali Gopakumar, Vellore Institute of Technology, Chennai Campus.
- 76209 Estimation of timing and extent of Last Glacial Maxima using CRN exposure dating, Schirmacher Oasis, East Antarctica.: Mr. Waseem ahmad Baba C/o. Prof. Jitendra Kumar Pattanaik, Central University of Punjab, Bathinda.
- 76213 Reconstruction of glacier fluctuation since Little Ice Age (LIA) in the upper Chenab basin of north-western Himalaya using multi-method integrated approach (MMIA):. Mr. Ishtiaq Ahmed C/o. Dr. Pritam Chand, Central University of Punjab, Bathinda.
- 76220 Black Carbon: Concentration, Source Interpretation, Deposition, Control, and develop prediction models and policy implication through Machine Learning and artificial intelligence.: Mr. Vaishnav Bartaria C/o. Dr. Ranjit Kumar, Dayalbagh Educational Institute (Deemed to be University), Dayalbagh, Agra.

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)

- 76109 Advancing Archaeological Chronology of the Harappan site of Rakhigarhi.: (Duplicate of 76117): Prof. Vasant S. Shinde, CSIR CCMB, Hyderabad, Telanagana.
- 76224 Radiocarbon dating of archaeological materials from Kahalgaon-Sahebganj region.: Mr. Eshan Harit C/o. Prof. Sukanya Sharma, Indian Institute of Technology(IIT), Guwahati, Assam.
- 76320 Constructing the Style, Timing and Extent of the Quaternary Glaciation in the Jhanavi Ganga of the NW Garhwal Himalaya.: Dr. Pawan Kumar, Chaudhary Bansi Lal University, Bhiwani.

76th ACCELERATOR USERS' WORKSHOP

JULY 05, 2024 (FRIDAY)

<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>	
76507	Controlled modification in oxide and nitride semiconducting materials under energetic ion interaction.: <u>(Duplicate of 76505)</u> : Dr. Debdulal Kabiraj, Inter-University Accelerator Centre, New Delhi.
76509	Variation in the optical properties of silicon nitride based multilayer photonic structures after Nitrogen ion implantation.: Prof. G. Vijaya Prakash, Indian Institute of Technology Delhi (IIT Delhi).
76335 & 76522	Graphene Monolayer on Nanopatterned Silicon for Molecular Detection.: Dr. Govind Dayal Singh, University of Delhi, Delhi.
76319 & 76511	Control of the optically and spin active VSi, and NC-VSi defects in 4H-SiC for quantum metrologies.: Prof. Shyama Rath, University of Delhi, Delhi.
76216 & 76516	Synthesis and Study of Electrical and Optical Properties of V-VI Alloys and their Photovoltaic Application.: Ms. Nargis Fatima Khatoon C/o. Prof. Mohammad Zulfequar, Jamia Millia Islamia, Jamia Nagar, New Delhi. Investigating the Influence of Ion Implantation on the Structural, Optical and Electrical Properties of Bi-Se for Enhanced Functionalities.: Ms. Nargis Fatima Khatoon, Jamia Millia Islamia, Jamia Nagar, New Delhi.
76212 & 76518	Study of wettability and structural properties of MXene by using Ion Irradiation.: Ms. Divya Yadav C/o. Dr. Sarvesh Kumar, Manav Rachna International Institute of Research and Studies(MRIIRS), Faridabad. Study of wettability and structural properties of MXene by using Ion Irradiation.: Ms. Divya Yadav, Manav Rachna International Institute of Research and Studies (MRIIRS), Faridabad.
76345 & 76530	Harnessing Ion Implantation: Mn and Fe doping Strategies for Tailoring Electrical, Magnetic and Electrocaloric features in Bismuth Sodium Titanate.: Dr. Mahamad Ahamad Mohiddon, SRM University Delhi-NCR, Sonapat. Harnessing Ion Implantation: Mn and Fe doping Strategies for Tailoring Electrical, Magnetic and Electrocaloric features in Bismuth Sodium Titanate.: Dr. Mahamad Ahamad Mohiddon, SRM University Delhi-NCR, Sonapat.
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>	
76228 & 76527	Ion Irradiation and Doping effect in Silicon Carbide.: Mr. Umopathy Ganjigatte C/o. Prof. Santanu Ghosh, IIT Delhi. Effects of Ion Irradiation on Silicon Carbide (SiC) for nuclear and advanced application.: Mr. Umopathy R Ganjigatte, IIT Delhi.
76307 & 76504	Low energy ions (C,N,S) implantation in Spinel Ferrite to enhance their efficiency as electrode for supercapacitors.: <u>(Duplicate of 76306)</u> : Dr. Gagan Dixit, G.B.Pant University of Ag. & Technology Pantnagar. Low energy ions (C,N,S) implantation in Spinel Ferrite to enhance their efficiency as electrode for supercapacitors.: <u>(Duplicate of 76502)</u> : Dr. Gagan Dixit, G. B. Pant University of Ag. & Technology Pantnagar.
76316 & 76506	Study of ion implantation in tuning and controlling the exchange bias in single-layer films of antiferromagnetic materials towards spintronics.: Dr. Neelabh Srivastava, Mahatma Gandhi Central University, Motihari (Bihar). Study of ion implantation in tuning and controlling the exchange bias in single-layer films of antiferromagnetic materials towards spintronics.: Dr. Neelabh Srivastava, Mahatma Gandhi Central University, Motihari (Bihar).
76314 & 76508	Carbon (C/ C2) Implanted Few Layered MXenes based multifunctional electrodes for hydrogen generation and Supercapacitor Applications.: Dr. Aman Mahajan, Guru Nanak Dev University, Amritsar. Carbon (C/ C2) Implanted Few Layered MXene based multifunctional electrodes for hydrogen generation and Supercapacitor Applications.: Dr. Aman Mahajan, Guru Nanak Dev University, Amritsar.
76512	Ion Implantation for Enhancing Surface Charge Density of Triboactive materials: Towards Sustainable Energy Harvesting.: Dr. Santosh Kumar, Regional Institute of Education, Bhopal.
76513	Reduction of graphene oxide by ion irradiation for application in sensing.: Mr. Warren Rosario, School of Engineering, UPES, Dehradun, Uttarakhand.
76515	Metal phosphite modified photocatalyst for enhanced water splitting by defect modulation.: Dr. Bhavana Gupta: UPES, Dehradun, Uttarakhand.

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)

76303 & 76501 Swift Heavy ions induced modification of the porous materials based heterogeneous catalysts and study of their applications for photocatalytic CO₂ Utilization and H₂ evolution.: Prof. Sk Manirul Islam, University of Kalyani, Nadia, West Bengal.
76501 Low energy ion induced modification of the 2D materials composites for the CO₂ detection/ utilization.: Prof. Sk Manirul Islam, University of Kalyani, Kalyani, Nadia, West Bengal.

76308 & 76503 Structural, electrical, mechanical, adhesion and biocompatibility investigation of RF magnetron coated metal and alloyed doped hydroxyapatite nano coating on alumina after ion beam treatment for biomedical applications.: (Duplicate of 76305): Prof. Sanjay Kumar Sinha, Birla Institute of Technology, Mesra, Ranchi.
76503 Investigation of mechanical, electrical and biocompatibility of metal and alloyed doped hydroxyapatite pellets and RF magnetron coated alumina by ion beams for biomedical applications.: Prof. Sanjay Kumar Sinha, Birla Institute of Technology, Mesra, Ranchi.

76330 & 76517 Effect of ion irradiation on Electrochemical Properties of High Entropy Materials.: Dr. Rohit Ranjan Shahi, Central University of South Bihar Gaya.
Effect of ion irradiation on Electrochemical Properties of High Entropy Materials.: Dr. Rohit Ranjan Shahi, Central University of South Bihar.

76120 Irradiation of Tin based compound using Swift heavy ions for enhanced thermoelectric properties.: Prof. Anchal Srivastava, University of Lucknow, Lucknow.

76520 Study of the effect of ion implantation in ZnO nanostructures for solar cell application.: Prof. Anchal Srivastava, University of Lucknow, Lucknow.

76219 & 76521 Ion beam induced modification in Y₂O₃-WO₃ nanocomposite for gas sensing application.: Mr. Santosh Kumar C/o. Dr. Ratnesh Kumar Pandey, UPES Dehradun, Uttarakhand.

76521 Ion beam induced modification in Y₂O₃-WO₃ nanocomposite for gas sensing application.: Mr. Santosh Kumar, UPES Dehradun, Uttarakhand.

76334 & 76523 Doping and Defect structural evolution analysis under low and high-energy irradiation.: Dr. Pratap, University of Hyderabad, Gachibowli, Hyderabad.

76523 Doping and Defect structural evolution analysis under low and high-energy irradiation.: (Duplicate of 76519): Dr. Pratap, University of Hyderabad, Hyderabad.

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)

76331 & 76524 Ion Beam Engineering of MXenes Hybrid Incorporated TiO₂ Photoanode for Dye Sensitized Solar Cells.: Dr. Om Prakash, School of Engineering and Technology, Hemvati Nandan Bahuguna Garhwal University (A Central University), Uttarakhand.
76524 Low Ion Beam Engineering of MXenes Nanohybrid Incorporated TiO₂ Photoanode for Dye Sensitized Solar Cells.: Dr. Om Prakash, School of Engineering and Technology, Hemvati Nandan Bahuguna Garhwal University (A Central University), Uttarakhand.

76217 & 76525 Synthesis and engineering of nanocomposites by energetic ions for possible SERS based sensing application.: Mr. Niladri Mohan Das C/o. Prof. D. K. Awasthi, UPES, Bidholi, Premnagar, Dehradun.

76525 Synthesis and engineering of nanocomposites by energetic ions for possible SERS based sensing application.: Mr. Niladri Mohan Das, UPES, Bidholi, Premnagar, Dehradun.

76332 & 76526 Modifying the Properties of 2D composite Materials Using Energetic Ions for Electrochemical Sensor for Alzheimer's and Parkinson's Diseases.: Prof. V. S. Vasantha, School of Chemistry, Madurai Kamaraj University, Madurai.

76526 Modifying the Properties of 2D composite Materials Using Energetic Ions for Electrochemical Sensor for Alzheimer's and Parkinson's Diseases.: Prof. V. S. Vasantha, School of Chemistry, Madurai Kamaraj University, Madurai.

76323 & 76514 Enhancement of ferroelectricity in HfO₂ based thin films by Ion irradiation for the application of HfO₂ ferroelectric films based Non-volatile memory devices.: Dr. Karra Vinod Kumar, Central University of Tamil Nadu, Thiruvarur, Tamil Nadu.

76514 Enhancement of ferroelectricity in HfO₂ based thin films by Ion irradiation for the application of HfO₂ ferroelectric films based Non-volatile memory devices.: Dr. Karra Vinod Kumar, Central University of Tamil Nadu, Thiruvarur, Tamil Nadu.

76th ACCELERATOR USERS' WORKSHOP

JULY 06, 2024 (SATURDAY)

<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>	
76225 & 76528	Mixed Dimensional based High Performance Photo and Gas Sensors.: Mr. Aditya Kushwaha C/o. Dr. Neeraj Goel, Netaji Subhas University of Technology, New Delhi. Engineering WSe2 Films for Improved NO2 Gas Sensing via Low-Energy Ion Beam Irradiation.: Dr. Neeraj Goel, Netaji Subhas University of Technology, New Delhi.
76343 & 76529	Low energy ion beam irradiated 2D materials for resistive switching device applications.: Dr. Satyendra Prakash Pal, Banaras Hindu University (BHU), Varanasi, U.P. Low energy ion beam irradiated 2D materials for resistive switching device applications.: Dr. Satyendra Prakash Pal, Banaras Hindu University (BHU), Varanasi, U.P.
76205	Analyzing wakefield effect in terms of ion beam parameters.: Mr. Niketan Jakhar C/o. Prof. Manish Kumar, School of Physical Sciences, JNU, New Delhi.
76510	Swift proton induced dissociation dynamics of Aniline and its isomers: Radiation processing of organics in space.: Prof. Umesh Kadhane, IIST, Valiamala, Thiruvananthapuram, Kerala.
76112	Exploring radio sensitizing potential of a natural phenolic compound in human lung carcinoma : highlighting macromolecular oxidation and DNA damage response pathway.: Dr. Ujjal Das, UGC-DAE CSR, Kolkata Center, West Bengal.
76133	Radiation study of Resistive Random Access Memories.: Dr. Asutosh Srivastava, School of Computers & Systems Sciences, JNU New Delhi.
76134	Effect of ion beam irradiation on the electrochemical properties of Mxene-PANI nanocomposites for supercapacitor applications.: Dr. Mukesh Kumar, Zakir Husain Delhi College, University of Delhi, New Delhi.
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>	
76215	Development of 2D transition metal dichalcogenides based heterostructures and Nanohybrids and their modification using Swift heavy ion irradiation for opto-electronic applications.: Mr. Mandeep Chahal C/o. Dr. Fouran Singh, Inter University Accelerator Centre, New Delhi.
76122	Dosimetric investigation of some energy independent calcium based phosphate materials using ion beams for TLD applications.: Dr. Sansar Chand, Govt. College Shillai, Dist. Sirmour, HP.
76126	Response of stoichiometric composition of high entropy oxide to radiation resistance for hostile environment applications.: Dr. Yogendra Kumar, Galgotias University, Greater Noida, Uttar Pradesh.
76132	Investigation of the effect of irradiation on nano-crystalline phases of Topological materials.: Dr. Anirban Pal, Banaras Hindu University, Varanasi.
76104	Swift-ion irradiation effects on 4H-SiC JBS and PiN high-power diodes.: Dr. Vigneshwara Raja P, IIT Dharwad, Karnataka.
76106	Irradiation induced oxygen vacancy doping in quantum paraelectric SrTiO3.: Dr. Dinesh Kumar Shukla, UGC-DAE CSR, Indore.
76202	Fabrication of metal semiconductor contacts in Wide band gap semiconductors and effect of ion irradiation on its properties.: Ms. Muskan C/o. Dr. Ashish Kumar, Central University of Jammu, Jammu, J&K.

13:00 - 14:00 BREAK	
<i>Session Chairperson:</i>	
14:00 – 16:00	Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
76218	Applicability of Magnesium based phosphate materials for TL dosimetry.: Ms. Neha Bharti C/o. Prof. Rohit Mehra, Dr. B R Ambedkar National Institute of Technology(NIT) Jalandhar.
76223	Synthesis and characterization of nanomaterials for detection of microbial components in ambient environment.: Ms. Arti Bhatnagar C/o. Dr. Ranjit Kumar, Dayalbagh Educational Institute, Agra.
76301	Enhancement in the sensing properties of polyvinylpyrrolidone doped PANI polymer complex using Ag15+ 200 MeV ion irradiation.: Dr. D. Prem Anand, St. Xavier's College [Autonomous], Palayamkottai, Tirunelveli, Tamilnadu.
76302	Controlling magnetic skyrmion nucleation with ion irradiation.: Dr. Vijay Raj Singh, Central University of South Bihar.
76304	Ion beam Induced defect engineering for thermoelectric applications.: Dr. Ashish Kumar, Central University of Jammu, Rahya Suchani (Bagla), Samba, Jammu (J&K).
76309	Effect of SHI radiation on properties of some rare earth incorporated alkali sulfate crystals for optoelectronic application.: Dr. Fayaz Ahmad Najar, Government Degree College Sumbal, University of Kashmir, GDC Sumbal, Bandipora J&K.
76311	Defects Enabled Nanostructured ZnO Thin Films by SHI for Photocatalysis Applications to Remove Harmful Dyes from Effluent under Natural Sunlight.: Dr. Monoj Kumar Singha, University of Allahabad, Prayagraj.
76312	Development of Ion Beam Engineered Metal Nanostructures for Enhanced SERS Detection of Oral Cancer Markers in Saliva.: Dr. Tanuj Kumar, Central University of Jammu, Jammu.
16:00 - 16:15 BREAK	
<i>Session Chairperson:</i>	
16:15 – 17:15	Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
76313	Effect of swift ion Irradiation on Pure and Doped NiO Thin Films: Correlation between Structural Changes and Electrochemical Properties.: Dr. Shubhra Kala, HNB Garhwal University.
76317	Carbon based sensor for the electrochemical determination of doping steroids.: Dr. Rahul Singhal, MNIT Jaipur, JLN Marg, Malviya Nagar, Jaipur, Rajasthan.
76318	Swift Heavy Ion Irradiated Carbon Quantum Dots and their application as Green Hydrogen Energy Generation.: Dr. V. Gunasekaran, Central University of Tamil Nadu, Neelakudi Campus, Thiruvavur, Tamil Nadu.
76321	Tailoring the structural, optical, and morphology of swift heavy ion-induced mixed Sb (Ag)/Bi₂Se₃ (Bi₂Te₃) bi-layers at different ion fluences for optoelectronic applications.: Dr. Ramakanta Naik, Institute of Chemical Technology(ICT)-Indian Oil Odisha Campus(IOC), Bhubaneswar.

76th ACCELERATOR USERS' WORKSHOP

JULY 07, 2024 (SUNDAY)

<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>
76322	Synthesis of new TL/OSL materials and their study of LET dependence for ion beam dosimetry.: Prof. Anant Pandey, Sri Venkateswara College, University of Delhi, New Delhi.
76326	Enhanced Supercapacitor Performance through Swift Heavy Ion Irradiation of Reduced Graphene Oxide/Ni-Doped Co ₃ O ₄ Nanocomposites.: Dr. Raji P, Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu.
76328	Ion beam modification of ZnTiO ₃ thin films for memory applications.: Dr. Srinivasa Rao Nelamarri, Malaviya National Institute of Technology Jaipur, JLN Marg, Jaipur, Rajasthan.
76333	Investigations on the Growth and Multiferroic Properties of BiFeO ₃ - YMnO ₃ Films for Magnetoelectric applications.: Dr. S. Gokul Raj, Pondicherry University, RV Nagar, Kalapet, Puducherry.
76339	Effect of SHI Induced surface modification and structural changes on electrochemical performance of MXene and their composites.: (Duplicate of 76338): Dr. Nutan Sharma, Vivekananda Global University, Jaipur.
76340	Investigations on swift heavy ion irradiation on ZnSnN ₂ ternary nitride thin films for energy applications.: Dr. Shyju T S, Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai.
76342	Synthesis of Ni-Mg co-doped ZnO thin films and the effect of swift heavy ion irradiation on their structural, optical, and transport properties.: Dr. Arpana Agrawal, Shri Neelkantheshwar Government Post-Graduate College, Khandwa, Madhya Pradesh.
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>
76121	Irradiation of Nd doped zircon.: Mr. Yogesh Kumar, BARC, Mumbai.
76125	Experimental determination of PCN in 28Si+182W and 30Si+182,184,186W reactions.: Dr. E. Prasad, Central University of Kerala, Kasaragod, Periyar, Kerala.
76131	Spectroscopic Investigation of 131La and 131Ce in mass A ~ 130 region.: Dr. Shashi Shekher Tiwary, Manipal University Jaipur, Rajasthan.
76203	Lifetime measurement of high spin isomeric states in 205Bi, 205, 207At.: Mr. Koustav Bhandary C/o. Dr. Buddhadev Mukherjee, Siksha Bhavana, Visva-Bharati, Santiniketan, WB.
76207	To study the impact of different entrance channel combinations and the effect of N/Z ratio on neutron multiplicities.: Ms. Shweta Singh C/o. Dr. Ajay Kumar Tyagi, Banaras Hindu University, Varanasi.
76208	Estimation of the fission time scales from particle multiplicities.: Ms. Sriya Paul C/o. Dr. Ajay Kumar Tyagi, Banaras Hindu University, Varanasi.
76210	Analysis of radiative capture reactions in the medium mass region having astrophysical interest.: Mr. Nived K C/o. Prof. M. M. Musthafa, University of 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)

- 76211 Study of mass gated neutron multiplicity measurements in the pre actinide region with the NAND facility.: Mr. Basant C/o. Prof. Bivash Ranjan Behera, Panjab University, Chandigarh.
- 76214 Study of band structure nuclei from A~80 mass region.: Mr. Anshul Kumar C/o. Prof. H. P. Sharma, Institute of Science, BHU Varanasi.
- 76226 A Study of Entrance Channel Effects in Heavy Ion Fission Dynamics.: Mr. Keshav Kapoor C/o. Prof. Manoj Kumar Sharma, University of Lucknow, Lucknow.
- 76227 Probing dynamics of break-up fusion process in heavy nuclei.: Mr. Mohd Usman C/o. Dr. Zafrul Hasan, Z. H. College of Engineering & Technology, Aligarh Muslim Univeristy.
- 76229 Investigation of Band Structures in Transitional Nuclei from A~130 mass region.: Mr. Mohammad Anser C/o. Prof. H. P. Sharma, Banaras Hindu University(BHU), Varanasi, (U.P)
- 76230 Study the impact of odd-even nuclei in heavy ion-induced fusion reactions via neutron and charge particle evaporation spectra.: Mr. Utkarsha Mishra C/o. Dr. Ajay Kumar Tyagi, Banaras Hindu University, Varanasi, U.P.
- 76315 Study of Neutron Multiplicity for the reactions $^{35}\text{Cl} + ^{209}\text{Bi}$ and $^{31}\text{P} + ^{232}\text{Th}$ populating compound nucleus ^{244}Fm and ^{263}Db .: Dr. Mousumi Bhuyan, Rangia College, Kamrup(R), Assam.
- 76324 Effect of various entrance channel parameters on low energy reaction dynamics.: Prof. Manoj Kumar Sharma, University of Lucknow, Lucknow.

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)

- 76327 Effect of Entrance Channel in Heavy Ion Collisions at Moderate Excitation Energies.: Prof. B. P. Singh, Aligarh Muslim University(AMU), Aligarh.
- 76337 Measurement of mass gated pre- and post-scission neutron multiplicities in a heavy ion-induced fusion-fission reaction.: Dr. Hardev Singh, Kurukshetra University, Kurukshetra.
- 76341 Pilot study of radiative capture measurements in AGB stars with Ne beam.: Prof. Jiban Jyoti Das, Cotton University, Panbazar, Guwahati, Assam.