

TENTATIVE PRESENTATION SCHEDULE
73rd ACCELERATOR USERS' WORKSHOP
DECEMBER 15, 2022 (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>
73121	Investigations of basin scale landscape evolution in bedrock systems of the Jawhar Plateau: Western India.: Dr. Archana, RNC Arts, JDB Com. and NSC Sci. College, Nashik.
73123	Determination of age of gall stones using, C14 dating and its relationship with, development of symptoms, complications, and malignancy.: Dr. Shivendra Singh, Senior Consultant and Chief of GI Oncosurgery, Rajiv Gandhi Cancer Institute and Research Centre, Delhi.
73124	Palaeoclimate reconstruction from peat records of Chopta Bugyal, Central Garhwal Himalaya.: Dr. Narendra K. Meena, Wadia Institute of Himalayan Geology, GMS Road.
73125	Cosmogenic Radio Nuclide (10 Be and 26Al) Dating for Constraining the Little Ice Age in the Western Himalayas.: Dr. Rakesh Saini, Dr. Harisingh Gour Central University, Sagar.
73128	Using past analogues to understand role of fire and climate change in central India.: Dr. Meghna Agarwala, Ashoka University.
73132	Late Holocene monsoon and environment variability over eastern India and its impact on human civilization.: Dr. Raj K Singh, School of Earth Ocean and Climate Science, IIT Bhubaneswar, Odisha.
73143	Middle Pleistocene to Holocene dynamics of Antarctic Circumpolar Current and its implications to global climate: Evidence from Southern Pacific.: Dr. Raj K Singh, SEOCS, Indian Institute of Technology Bhubaneswar.
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>
73134	Paleoseismic Investigation and Seismic Hazard Analysis, Himalaya.: Dr. Shreya Arora, Bates College, 44 Campus Ave Lewiston Maine, USA.
73135	Signature of extreme cosmic events and Radiocarbon calibration data set from India.: Dr. Pankaj Kumar, IUAC New Delhi.
73136	Absolute dating of bone samples of animal origin to complement 14C-charcoal-age from the archaeological site of Erenda, West Bengal.: Dr. Nabanita Naskar, Diamond Harbour Women's University, West Bengal.
73137	Response of drainage to tectonics: deformation studies along Dihing river valley Eastern Himalaya.: Dr. R. Jayagondaperumal, Wadia Institute of Himalayan Geology, Uttarakhand.
73138	Development of Paleo-earthquake History along the Naga Thrust (NT) of Indo-Burma Range: Multi-Dating approach.: Dr. R. Jayagondaperumal, Wadia Institute of Himalayan Geology, Uttarakhand.
73141	Paleoclimate and Himalayan weathering changes during the Late Quaternary: a multi-proxy records from the Northern Indian Ocean sediments.: Dr. Prakasam M., Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand.
73126	Late Quaternary climate and environmental changes inferred from lacustrine sediments of Spiti Valley, Himachal Pradesh.: Dr. Prakasam M., Wadia Institute of Himalayan Geology, Dehradun.

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)

- 73147 Comparative assessment of groundwater dynamics and contamination in shallow aquifers of two mega-cities within the Indo-Gangetic plains using C-14 based dating and trace element analyses.: Dr. Aditya Sarkar, Presidency University, Kolkata.
- 73153 Radiocarbon dating of organic sediment samples from wetlands for environmental reconstruction of fires, vegetation and climate.: Dr. P. Ramya Bala, National Institute of Advanced Studies, Bangaluru-560012.
- 73157 10-Be dating of ferromanganese crust from Laxmi Basin, North Eastern Arabian Sea.: Dr. Rajani P Ramesh, Geological Survey of India, Geological Survey of India, Pandeshwar, Mangalore.
- 73158 Holocene climatic and environmental changes in the cold arid region of Lahaul Himalaya.: Dr. Suman Lata Srivastava, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand.
- 73159 Holocene paleoclimatic changes from the north-western Himalaya using lake and peat sediments: Dr. Sudipta Sarkar, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand, Dehradun.
- 73224 Paleoclimate and Holobiome in Lakes of Himalya.: Ms. Sushmita Singh C/o. Prof. Pradeep Srivastava, Department of Earth Sciences, IIT Roorkee.
- 73225 Geochemical and micropaleontological records of Indian Monsoon Variability from the Eastern Arabian Sea.: Mr. Dhiraj Suresh Shinde C/o. Dr. V. Yoganandan, Dept. of Marine Science, Bharathidasan University, Tiruchirappalli, Tamilnadu.
- 73226 Late Holocene Paleoclimatic Variability of Southern India - Insights from High resolution - Multiproxy Data: Ms. Yamuna Sali A S C/o. Dr. Anish Kumar Warriar, Department of Civil Engineering, Manipal Academy of Higher Education Manipal, Udupi, Karnataka.
- 73228 Coastal Geomorphology and Palaeoclimatic Studies of the Quaternary Sediments of Northern Kerala, India.: Mr. Pranav Prakash C/o. Prof. Rajesh Reghunath, University of Kerala.

16:00 - 16:15 BREAK

Session Chairperson:

16:15 – 17:30

Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)

- 73230 Quaternary Landscape, Cultural and Climatic records from the Rarh Bengal region, Eastern India.: Mr. Sourav Mukhopadhyay C/o. Prof. P. D. Sabale, Deccan College & PGRI, Deemed University.
- 73149 14C AMS dating of sediments from Hastinapur Archaeological site and a multi-proxy approach to infer past climate change.: Prof. Anil K. Gupta, IIT Kharagpur.
- 73227 Lake records from Northern and Eastern India and Model Runs to understand monsoon variability during the last millennium.: Mr. Biswajit Palar C/o. Prof. Anil Kumar Gupta, IIT Kharagpur.
- 73231 Paleoclimate reconstruction using multi-proxy records from the eastern Indian Lake archives of Late Holocene.: Ms. Puja Ghosh C/o. Prof. Anil Kumar Gupta, IIT Kharagpur.
- 73243 Paleoclimatic Evolution of the Indian Subcontinent using long cores from Chilika Lake Sediments.: Mr. Abhijeet Santra C/o. Prof. Anil Kumar Gupta, IIT Kharagpur.

73rd ACCELERATOR USERS' WORKSHOP

DECEMBER 16, 2022 (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>
73235	Sediment-water geochemistry and source to sink characterization of microplastics in the Akkulam- Veli Lake, South Kerala, India.: Ms. Reshma S R C/o. Prof. M. A. Mohammed Aslam, Head- Department of Geology, Central University of Karnataka.
73236	Multi-proxy approach to palaeoclimate reconstruction by study of sediment core from pristine lakes of Manipur NE, India.: Mr. K Ronald Terieng C/o. Prof. Pramod Singh, Pondicherry University.
73240	Tectono-geomorphic evolution of Vaigai River Basin, South India; Implications of Tectonics and Climate.: Ms. Juni K J C/o. Prof. Ramkumar, Periyar University.
73242	Reconstruction of surface and subsurface hydrography variation records from the Bay of Bengal Sediments.: Ms. Komal Sahadev Shinde C/o. Dr., Mohan K., School of Engineering, Vellore Institute of Technology (VIT), Chennai.
73248	Characterization of basin scale landscape development through Geological, Geochemical and Geochronological indices of Thamirabarani River Basin, Southern India - A case study of the Thamirabarani river basin, Southern India.: Ms. Athira Pramod C/o. Prof. M. Ramkumar, Periyar University.
73250	High resolution reconstruction of paleoceanography and paleoclimatology of south-west Indian Ocean during Late Quaternary.: Ms. Divya Verma C/o. Dr. Pawan Govil, Birbal Sahni Institute of Palaeosciences.
73257	Chemical characteristics and sources of particulate matter (PM2.5 and PM10) in the Eastern Himalayas.: Ms. Akansha Rai C/o. Dr. Sudhir Kumar Sharma, CSIR-National Physical Laboratory (NPL), Academy of Scientific and Innovative Research (AcSIR), Dr. K. S. Krishnan Marg, Pusa, 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>
73302	Assessment of Cancer Growth, Dynamics by Radiocarbon Dating, using 14C Bomb-Pulse.: Dr. Mudasir Ashraf Shah, Radiological Physics, Department of Radiodiagnosis, Faculty of Medicine, Aligarh Muslim University, Aligarh, U.P.
73325	Charge exchange measurements for Positive Ion Mass Spectrometry using LEIBF, IUAC.: Dr. Abhijit Barthakur, Department of Physics, Cotton University, Guwahati Assam.
73130	High resolution foraminiferal response to the climatically induced changes in the Northeast Arabian Sea.: Prof. Ajai Kumar Rai, University of Allahabad, Prayagraj, UP.
73133	Granulometric and Geochemical characters of sediment core from Ninetyeast Ridge, Bay of Bengal: Insight to sediment provenances and depositional environment.: Mr. Manoj R V, Geological Survey of India, Marine and Coastal Survey Division, Pandeshwar, Mangalore.
73229	Reconstruction of past seasonality using chemical proxies in gastropod remains, Tigrana, HR, and Vadnagar, GJ.: Mr. Ritvik Chaturvedi C/o. Prof. Prosenjit Ghosh, Indian Institute of Science (IISc), Bengaluru.
73233	Measurement of low level cross-sections for nuclear astrophysical implications: Mr. Aquib Siddique C/o. Prof. B. P. Singh, Aligarh Muslim University.
73258	Study of Spatio-Temporal Geomorphic Dynamics of the Cauvery Delta for Landscape and Environmental Management.: Mr. Madhan Raj K C/o. Dr. K. Balasubramani, Department of Geography, Central University of Tamil Nadu, Thiruvavur.

13:00 - 14:00 BREAK	
<i>Session Chairperson:</i>	
14:00 – 16:00	<i>Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
73501	Effect of ion-implantation on carrier lifetime of LT-GaAs and LT-InGaAs for Development of THz Photoconductive Antennas.: Dr. Pika Jha, SSPL, DRDO, Timarpur, Delhi.
73502	Study the influence on the structural, electrical, optical and switching properties of the Se, S and As doped Ge-Sb-Te based thin film irradiated by low energy ion beam for phase change memory.: Ms. Shahin Parveen, Jamia Millia Islamia, New Delhi.
73504	Low energy ion beam modification of Lab-on-chip platform for continuous synthesis of 2D nanostructures.: Dr. Ashish Mathur, UPES, Dehradun.
73505	Investigations on Phase Change Memory properties of Ge-Se and Ge-S doped Sb ₂ Te ₃ thin films.: Dr. Pumliamunga, Jamia Millia Islamia, New Delhi.
73510	Defect induced opto-electronic modification of Molybdenum based few layered dichalcogenides using low energy ion implantation.: Dr. Tanuja Mohanty, School of Physical Sciences, Jawaharlal Nehru University, New Delhi.
73524	Improvement of WSe ₂ -SnO ₂ Sensing Response using Low Beam Ion Irradiation.: Dr. Neeraj Goel, Netaji Subhas University of Technology, New Delhi.
73520	Ion beam driven defect engineering and functionalization in Ti ₃ C ₂ T _x Mxene.: Prof. Kedar Singh, School Of Physical Sciences, JNU, New Delhi.
73522	Study of effect of ion beam irradiation on thermoelectric properties of some thermoelectric materials like Bi ₂ Te ₃ , Sb ₂ Te ₃ , PbTe and MgAgSb.: Dr. Chetan Kachhara, Kohima Science College, Nagaland University, Kohima, Nagaland.
73507	Effect of ion implantation on properties of gallium oxide thin film-based UV photodetector.: Dr. Mahesh Kumar, Department of Electrical Engineering, IIT Jodhpur, Karawad, Jodhpur.
16:00 - 16:15 BREAK	
<i>Session Chairperson:</i>	
16:15 – 17:30	<i>Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
73142 & 73511	Tailoring the magnetoelectric properties of rare-earth orthoferrites via SHI and Low Energy ion beam induced strain for room temperature applications.: Dr. Jyoti Yadav, Inter-University Accelerator Centre (IUAC), New Delhi.
73515 & 73249	Investigation of radiation induced structural defects in high entropy alloys for nuclear energy applications.: Ms. Anju Kumari, JNU, New Delhi. Investigation of radiation induced structural defects in high entropy alloys for nuclear energy applications.: Ms. Anju Kumari C/o. Dr. Pawan Kumar Kulriya, School of Physical Science, JNU, New Delhi.
73237 & 73506	Development of TMO based Nanocomposites and Thin films for Supercapacitor and Photocatalytic Applications.: Ms. Nithya S George C/o. Dr. Arun Aravind, Bishop Moore College, Mavelikara, Affiliated to Kerala University. Development of TMO based Nanocomposites and Thin films for Supercapacitor and Photocatalytic Applications.: Dr. Arun Aravind, Bishop Moore Coegee, Mavelikara, Alappuzha Dist., Kerala.
73503 & 73314	Study of change in gas sensing performance of ZnO thin films due to lattice disorder.: Dr. Ashok Jangid, Dayalbagh Educational Institute (Deemed University), Dayalbagh Agra. Tuning of gas sensing performance of ZnO thin films using electron beam irradiation.: Dr. Ashok Jangid, Dayalbagh Educational Institute (Deemed University), Dayalbagh Agra.
73509 & 73316	Development of Infrared Sensor using Phosphorous and Boron Ion implantation in silicon nanowires on Si chip.: Dr. Avshish Kumar, AIARS (M&D), Amity University Uttar Pradesh, Noida, U.P. Development of Infrared Sensor using Phosphorous and Boron Ion implantation in silicon nanowires on Si chip.: Dr. Avshish Kumar, AIARS (M&D), Amity University Uttar Pradesh, Noida.

73rd ACCELERATOR USERS' WORKSHOP

DECEMBER 17, 2022 (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>
73514 & 73317	Role of ion beams in dye sensitized solar cell devices.: Dr. Jeyanthinath Mayandi, School of Chemistry, Madurai Kamaraj University. Role of ion beams in dye sensitized solar cell devices.: Dr. Jeyanthinath Mayandi, Madurai Kamaraj University, Madurai.
73517 & 73145	Effect of ion irradiation on thin film metal oxide-based gas sensors.: Dr. Mahesh Kumar, IIT Jodhpur. Effect of ion irradiation on thin film metal oxide based gas sensors.: Dr. Mahesh Kumar, IIT Jodhpur, Raj.
73518 & 73152	Effect of ion irradiation on metal oxide nanofibers for gas sensors application.: Dr. Mahesh Kumar, IIT Jodhpur. Effect of ion irradiation on metal oxide nanofibers for gas sensors application.: Dr. Mahesh Kumar, IIT Jodhpur, Jodhpur, Rajasthan.
73521 & 73155	Effect of ion irradiation on resistive switching in Perovskite thin films.: Dr. Mahesh Kumar, IIT Jodhpur, Jodhpur, Rajasthan. Effect of ion irradiation on resistive switching in Perovskite thin films.: Dr. Mahesh Kumar, IIT Jodhpur, Rajasthan.
73513 & 73319	Modifications of magnetic and spin transport properties of Transition metal doped Ti/Sn thin films and their applications.: Dr. Mandar Kirkire, Amity University, Maharashtra. Modifications of magnetic and spin transport properties of Transition metal doped Ti/Sn thin films and their applications.: Dr. Mandar Kirkire, Amity University, Maharashtra.
73519 & 73151	To Study Optically Stimulated Luminescence in Phosphate/Sulphate based Phosphors Irradiated with Low/High Energy Ion Beams for Hadron therapy.: Dr. Martina Saran, IUAC, New Delhi. To Study Optically Stimulated Luminescence in Phosphate/Sulphate based Phosphors Irradiated with Low/High Energy Ion Beams for Hadron therapy.: Dr. Martina Saran, IUAC, New Delhi.
73516 & 73324	Radiation Resilience and associated properties of 2D materials with underlying CDW states.: Prof. V. Ganesan, Medi-Caps University, Indore. Radiation Resilience and associated properties of 2D materials with underlying CDW states.: Prof. V. Ganesan, Medi-Caps University, Pigdamber, Indore.
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>
73512 & 73131	Effect of Ion irradiation in MoS ₂ -phosphates nanocomposites for hydrogen evolution reaction applications.: Dr. Vishakha Kaushik, DIT University, Dehradun. Effect of Ion irradiation in MoS ₂ -phosphates nanocomposites for hydrogen evolution reaction applications.: Dr. Vishakha Kaushik, DIT University, Dehradun.
73523	To Study Multiple ionization, Electron Capture and charge state effects for X-ray Production Cross-section at low energies and its use for the ion beam analysis techniques.: Dr. Manpreet Kaur, University Institute of Sciences, Chandigarh University.
73525	To study the heavy ion-atom collision processes for the ionization of heavy Z targets and its application for trace element analysis techniques.: Ms. Jagdeep Kaur, University Institute of Sciences, Chandigarh University, Punjab.
73154	Demonstration of no Doppler effects on two-electron-one-photon transitions: Dr. H. C. Manjunatha, Govt. College for Women, Kolar.
73246	Study of atomic processes with highly charged ions during ion solid collision: Mr. Manish Kumar Verma C/o. Dr. Narendra Jakhar, University of Rajasthan.
73255	Investigation on Transition metal Sulphides based Nanocomposites for Energy Storage Application.: Ms. Baby Sri Pratha G C/o. Dr. Jeyanthinath Mayandi, Madurai Kamaraj University, Madurai.

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)

73122 Radiation induced defect studies in ceramic composites for Nuclear reactor applications: Dr. Sejal Shah, ITER-India, Institute for Plasma Research, Motera, Ahmedabad.

73129 Investigation of Ionic Mass Dependent, Irradiation Induced Enhancement of, Photocurrent in Zinc Tin Phosphide Thin, Films.: Dr. Yekkoni L. Jeyachandran, Bharathiar University, Coimbatore, Tamilnadu.

73139 Investigation of the effects of ion irradiation on the polymer composite electrolyte films for energy storage applications.: Mr. Mohd Sadiq, ARSD College, University of Delhi, Delhi.

73144 Study of Radiation Induced Effects in GaN based Photodetectors.: Dr. M. Senthil Kumar, CSIR-National Physical Laboratory, New Delhi.

73146 Effect of SHI Induced defects and structural modification on biological activity of MXene and their composites.: Dr. Nutan Sharma, Vivekananda Global University, Jaipur.

73148 Effect of swift heavy ion irradiation and studies shielding property on Bi₃O₂/polymer nano composite.: Dr. Rajkumar Maroti Lokhande, DNCVPS Shirish Madhukarrao Chaudhari College, Jalgaon.

73156 Study of Hydrogen absorption properties of Magnesium based thin films using Elastic Recoil Detection Analysis (ERDA):. Dr. Yogendra Kumar Gautam, Chaudhary Charan Singh Unbiversity, Meerut.

73232 Ion Irradiation Induced Modification of Nanocomposite.: Ms. Savita C/o. Prof. Annu Sharma, Kurukshetra University, Kurukshetra.

73234 Effect of Swift Heavy Ion irradiation induced strain on spin and orbital ordering in RVO₃ (R = La, Pr, Y) thin films.: Mr. Shivank Kalia C/o. Dr. Rajesh Kumar, National Institute of Technology, Hamirpur(HP).

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)

73241 Synthesis of plasmonic nanostructures by Ion Bombardment and its application.: Mr. Om Prakash C/o. Prof. Santanu Ghosh, IIT Delhi.

73245 Ion Beam -Induced Thermoelectric Properties of Vanadium Pentoxide Thin films.: Ms. Akanksha Malik C/o. Dr. Richa Saini, Kanya Gurukula Campus, Haridwar, Gurukul Kangri (DU), Haridwar.

73247 Modifications on the Structural and Electrical Properties of Nanocomposites of Graphene/ rGO with Metal Nanoparticles by Gamma and SHI Irradiation.: Ms. Akshita Bansal C/o. Prof. Neena Jaggi, National Institute of Technology, Kurukshetra.

73251 Formation of nano-structured W-Cu thin films for nuclear and energy applications.: Ms. Shilpa Thakur C/o. Prof. K. Asokan, University of Petroleum & Energy Studies (UPES) Dehradun, Uttarakhand.

73254 Effect of temperature and grain size on precipitation kinetics of Ni ion induced NiCoCr based medium entropy alloys.: Mr. Sai Krishna Jeevanaboina C/o. Dr. Pradipta Ghosh, IIT Gandhinagar, Palaj, Gandhinagar.

73rd ACCELERATOR USERS' WORKSHOP

DECEMBER 18, 2022 (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>
73256	Improvement of MoS₂-IGZO Sensing Response using Swift Heavy Ion Irradiation.: (Duplicate of 73140): Mr. Aditya Kushwaha C/o. Dr. Neeraj Goel, Netaji Subhas University of Technology, New Delhi.
73301	The impact of swift heavy ion irradiation on the thin films based on CdS and graphene-based composites: A vital step towards new generation solar cells. : (Duplicate of 73120): Dr. Ajay Shankar , Indira Gandhi National Tribal University, Amarkantak, MP.
73303	Photovoltaic efficiency enhancement by ion-beams.: Dr. Sanjeev Gautam , Panjab University, Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh.
73304	The impact of heavy ion irradiation on Silicate based Composites: A vital step towards new generation of ecofriendly Solid State Lighting.: Dr. Ishwar Prasad Sahu , Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh.
73305	Dosimetric study of some LiMgPO₄ and KMgPO₄ thermoluminescence (TL) materials using ion beam.: Dr. Rohit Mehra , Dr. B R Ambedkar National Institute of Technology Jalandhar, Punjab.
73306	Defect engineering through high energetic ion beam irradiation on pure and Al doped ZnO thin film for improving thermoelectric figure of merit.: Dr. S. Srinivasan , Presidency College, Chennai.
73308	Swift heavy ion irradiation on Fe₃O₄@ Au Nanocomposite Hydrogels to enhance the catalytic reduction of 4-NP/ Methylene Blue.: Dr. P. Pazhanisamy , Sir Theagaraya College, Chennai.
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>
73309	Effect of swift heavy ion on the inversion disorder of ZnGa₂O₄:Cr Phosphor.: Dr. Suchinder Sharma , Amity School of Physical Sciences, Amity University, Mohali, Punjab.
73311	Influence of ion irradiated materials in flexible Triboelectric Nanogenerators.: Dr. Sayan Bayan , Rajiv Gandhi University, Doimukh, Arunachal Pradesh.
73312	Swift Heavy Ion Irradiation induced defects in doped Barium Hexaferrite thin films.: (Duplicate of 73310): Dr. Indu Sharma , School of Basic & Applied Sciences, Career Point University Hamirpur.
73313	The influence of Swift Heavy Ion irradiation (SHI) on Zr-UiO-66 Enhancing Sensing Properties.: (Duplicate of 73307): Dr. Nikeshkumar N Ingle , MGM University, Aurangabad (M.S.).
73315	Investigations of swift heavy ion irradiation effect on the properties of Na₄MTeO₆ (M=Co, Ni) tellurate compounds.: Dr. Umesh Prakash Gawai , DDSP Arts Commerce and Science College, Erandol, Jalgaon.
73321	Effect of Li³⁺ SHI Irradiation on Graphene Based Ni Substituted ZnO Nano Thin Films for Solar Cell Application.: (Duplicate of 73318): Dr. H. A. Khawal , Shreeyash College of Engineering and Technology, Aurangabad.
73322	Determination of SHI irradiation induced dislocation density in rare earth metal doped selective dilute magnetic semiconductor nanocrystals from XRD peak profile analysis and its influence on the optical, electrical and magnetic properties.: Dr. Ratan Das , Tripura University, Tripura.

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)

73323 Tuning the Sensing Properties of Some Rare Earth Based Metal Oxide Nanostructures Biosensors By SHI Irradiations.:
Dr. Feroz Ahmad Mir, Baba Ghulam Shah Badshah University(BGSBU) Rajouri.

73326 Study of Magneto-electric Coupling in Ni Substituted La_{0.6}Bi_{0.4}FeO₃ Multiferroic System and Effect of SHI Irradiation.:
Dr. Ghazala Anjum, SP College Srinagar, Cluster University, Srinagar, J&K.

73327 Tuning of the Thermoelectric property of SnTe based topological materials via Ion Beam Irradiation.: Dr. Prashant Shahi,
DDU Gorakhpur University.

73329 Effect of Ni⁷⁺ SHI Irradiation on Li doped TiO₂ Nano Thin Films for Solar Cells Application.: Dr. Bharat Subhash Surung,
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

73330 Irradiation led modified optoelectronic and thermoelectric response of nanoscale, 2D monochalcogenides:
Prof. Dambarudhar Mohanta, Tezpur University, PO Napaam, Tezpur, Assam.

73127 Spectroscopy and life time measurement of ^{63,65}Ga.: Dr. Uday Shankar Ghosh, IUAC, New Delhi.

73150 Elastic Scattering measurements for the reaction ⁹Be + ¹³⁸Ba.: Dr. S. Appannababu, Andhra University.

73238 Study of high spin and lifetime measurements in A~80-100 mass region.: Ms. Sawini Kharb C/o. Dr. Amandeep Singh,
Chandigarh University, Punjab.

73239 Fusion and Transfer Studies by Quasi-elastic Scattering Measurements.: Mr. Abhijit Bairagya C/o Dr. Anagha Chakraborty,
Visva-Bharati, Santiniketan, West Bengal.

16:00 - 16:15 BREAK

Session Chairperson:

16:15 – 17:30

Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)

73244 Investigation of the correlation between nucleon transfer and fusion enhancement at sub-barrier energies.:
Mr. Mohd Yasir Arafat C/o. Dr. Moumita Maiti, IIT Roorkee.

73252 To determine the ⁵⁸Co(n,p) cross section taking ⁶¹Ni(n,p) as the reference, reaction using surrogate ratio method.:
Mr. Nitin Kumar Dubey C/o. Dr. Ajay Kumar, Banaras Hindu University, Varanasi.

73253 Spectroscopic study of a few ¹f_{7/2} Ti Isotopes.: Mr. Arkadip Bera C/o. Abhijit Bisoi, IEST Shibpur.

73320 Neutron multiplicity measurements along Hg region.: Prof. Bivash Ranjan Behera, Panjab University, Chandigarh.

73328 Investigation of axially symmetric and asymmetric structure in f-p-g shell nuclei.: Dr. Tarkeshwar Trivedi,
University of Allahabad, Prayagraj.