

TENTATIVE PRESENTATION SCHEDULE
72nd ACCELERATOR USERS' WORKSHOP
JULY 04, 2022 (MONDAY)

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>
72124	Multi-proxy analysis of lake sediments(West Bengal Lakes): (Copy of 72121): Prof. Anil Kumar Gupta, IIT Kharagpur, West Bengal.
72130	Multiproxy analysis of lake sediments, Chilika lake.: (Copy of 72122): Prof. Anil Kumar Gupta, IIT Kharagpur, West Bengal.
72125	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, West Bengal.
72126	Reconstruction of paleoclimatic variability of the Lower Ganga Plain: A multi-proxy study using lake sediments.: Prof. Anil Kumar Gupta, Indian Institute of Technology - Kharagpur, West Bengal.
72128	Variations in the oceanographic conditions associated with the Indian monsoon along the coast of Eastern Arabian Sea.: Prof. Anil Kumar Gupta, IIT Kharagpur, West Bengal.
72129	Radiocarbon (14C) analysis of terrestrial sediments from fresh water lake archives.: Prof. Anil Kumar Gupta, IIT Kharagpur, West Bengal.
72133	Lake records from Northern and Eastern India and model runs to understand monsoon variability during the last millennium.: Prof. Anil Kumar Gupta, IIT Kharagpur, West Bengal.
72127	14C of Hastinapur Archaeological Site, Meerut, Uttar Pradesh.: Dr. Dibishada B Garnayak, Archaeological Survey of India, Meerut, Uttara 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>
72131	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, Maharashtra.
72132	Reconstruction of past climate of the Late Quaternary Period from a sediment core of Imphal Valley, Manipur.: Dr. Y. Raghmani Singh, Manipur University, Imphal, Manipur.
72134	Analysis of C-14 in soil samples using AMS.: Mr. Pew Basu, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, Tamilnadu.
72135	AMS dating of Keeladi Charcoal Samples.: Mr. K. Amarnath Ramakrishna, Archaeological Survey of India, Fort St. George, Chennai.
72138	Dating of excavated materials.: (Copy of 72136): Dr. Shubha Majumder, Archaeological Survey of India, Kolkata Circle, Salt Lake City, Kolkata.
72143	AMS / C14 dating of the samples from archaeological excavation at Barnauli Ki Dhai Mathura.: (Copy of 72139): Dr. Vinay Kumar Gupta, Archaeological Survey of India, Excavation Branch 2 Greater Noida.
72144	AMS / C14 dating of the samples from archaeological excavation at Rakhigarhi Hisar Haryana.: Dr. Vinay Kumar Gupta, Archaeological Survey of India, Excavation Branch 2 Greater Noida.
72140	Genesis and evolution of ferromanganese crusts from the Laccadive Ridge, Indian Ocean.: Dr. Saju Varghese, Geological Survey of India, Mangalore.

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)

72142 Constraining the paleoclimate, past eruptive events of active volcanic arc and sources of sediments in South Andaman Sea.: Dr. Saju Varghese, Geological Survey of India, Mangalore.

72141 C-14 dating of sediment cores from the Eastern Arabian Sea.: Dr. Sushant Suresh Naik, CSIR-National Institute of Oceanography, Dona Paula, Goa.

72145 AMS 14C dating of Lake Sediments.: Prof. Anil Kumar Gupta, IIT Kharagpur, West Bengal.

72146 Paleoclimatic and palaeoceanographic variability in Bay of Bengal.: Dr. Komal Verma, Banaras Hindu University, Varanasi.

72147 Study of age of Uranium contaminated ground water using C-14 based Accelerator Mass Spectrometry.: Prof. Alok Srivastava, Panjab University Chandigarh.

72154 Quantification of fossil fuel CO₂ and methane using radiocarbon measurements in atmospheric air in Megacity Delhi.: Mr. Rajveer Sharma, Inter University Accelerator Centre, New Delhi.

72155 Radiocarbon based source apportionment study of particulate and dissolved organic carbon in rainwater in Megacity Delhi.: Mr. Rajveer Sharma, Inter University Accelerator Centre, New Delhi.

72149 Pleiochannels of the Ghaghra River in the Himalayan foreland basin: Evolution, paleoclimate and palaeodenudation aspects.: Dr. Mahadev, IUAC, New Delhi.

72151 Depth verses age from bioarchaeological record at World Heritage site of Dholavira.: Dr. Sharada Channarayapatna, Indian Institute of Technology Gandhinagar, Palaj, Gandhinagar.

72152 Chronology of sediment cores based on AMS C-14 dating of foraminifera.: Mrs. Maria Hilda D.M. Joao, CSIR-National Institute of Oceanography, Dona Paula, Panjim, Goa.

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)

72156 Reconstruction of holocene monsoon circulation and glacier variability from the lake sediments, Himalayas.: Dr. Om Kumar, Lakshmi Bai College, University of Delhi, Delhi.

72158 AMS dating of Charcoal, husk of paddy and bones of Adichanallur Site, Thoothukudi District, Tamil Nadu.: (Copy of 72157): Dr. Arunraj T, Archaeological Survey of India, Trichy Circle, Trichy.

72161 Distribution and ecology of diatoms in the sediments of Tsumang Lake and Nsonji Lake, Nagaland, North-East, India.: Dr. Shaik Mohammad Hussain, University of Madras, Chennai, Tamil Nadu.

72162 Land-marine interaction changes and palaeoenvironment reconstruction from the Great Rann of Kachchh basin, Western India.: Dr. Niteshkumar N. Khonde, Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow.

72169 Provenance and paleoclimatic study of eastern part of Great Rann of Kachchh.: Dr. Niteshkumar N. Khonde, Birbal Sahni Institute of Palaeosciences, Lucknow.

72163 Tectono-sedimentary evolution of Champhai block of Mizoram Northeast India and its implications on the closure of the paleolake.: Dr. Raghupratim Rakshit, Pachhunga University College, Mizoram University, Aizawl, Mizoram.

72nd ACCELERATOR USERS' WORKSHOP

JULY 05, 2022 (TUESDAY)

Session Chairperson:	
09:15 – 11:00	Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
72164	Exploration of meteoric and in-situ cosmogenic radionuclide (CRN) dating Application: Middle and Early Pleistocene contexts in India.: Dr. Madhav Krishna Murari, Inter University Accelerator Centre, New Delhi.
72165	Geochronology of fluvial terrace sequences of Tuirial and Tuirini River basins of Mizoram, NE India: Reconstructing quaternary tectono-sedimentary modelling of Mizoram Fold Belt.: Dr. Koduru Srinivasa Rao, Mizoram University, Aizawl, Mizoram.
72166	Implications of geochronologic analysis on the uplift rate of the foothills of Naga-Schuppen Belt of Northeast, India.: Ms. Farha Zaman, Dibrugarh University, Assam.
72168	Origin of ophiocarbonate in the Naga-Hill and Andaman ophiolites: Implication for atmospheric CO2 sequestration and deep carbon cycle.: Dr. Oinam Kingson Singh, Banaras Hindu University, Varanasi, Uttar Pradesh.
72171	The study of the depositional environment and paleoclimate of Late Quaternary deposits in North East India.: Mr. Koushik Saha, University of North Bengal, Siliguri, West Bengal.
72202	Evolution of the Mahi River Basin: Insights from the Tectonic Geomorphology.: Ms. Gitanjali Waman Bramhankar C/o. Dr. Pramodkumar Shivajirao Hire, HPT Arts and RYK Science college, Nashik, Maharashtra.
72204	Paleoclimatic inferences from southern Indian lakes - a multiproxy high-resolution approach.: Ms. Yamuna Sali A S C/o Dr. Anish Kumar Warriar, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, Udipi, Karnataka.
72209	A high resolution study on the Indian monsoonal system of the Western Bay of Bengal, a multiproxy approach.: Ms. Veena G Viswam, C/o. Dr. N. R. Nisha, Micropaleontological Laboratory, School Of Marine Sciences, Cochin University Of Science And Technology, Cochin.
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)
72210	Changes in sediment depositional environment at the Carlsberg ridge valley: Inferences on hydrothermal activity.: Ms. Sambhabana Lenka C/o Dr. Pratima M. Kessarkar , CSIR-National Institute of Oceanography, Dona Paula Goa.
72211	A high resolution study on the Indian monsoonal system of the Western Bay of Bengal, a multiproxy approach.: Ms. Divya Verma C/o Dr. Pawan Govil, Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow.
72212	Millennial scale variability of Sea Surface Temperature and Productivity in the South Eastern Arabian sea during late pleistocene.: Ms. Anjana Gireesh S C/o Dr. Ajayakumar P, Cochin University of Science And Technology, Kochi, Kerala.
72213	Characterization of basin scale landscape development through morphometric analysis - A case study of the Thamirabharani river basin, Southern India.: Ms. Athira Pramod C/o Dr. M. Ramkumar, Periyar University, Salem, Tamilnadu.
72214	Tectono-geomorphic evolution of Vaigai River basin, South India; implications of tectonics and climate.: Ms. Juni K J C/o Dr. M. Ramkumar, Periyar University, Salem, Tamilnadu.
72223	Reconstruction of atmospheric pCO2 across the Mid-Pleistocene Transition and establishing 7Li of epi- and in-faunal benthic foraminifera as bottom water pH proxy.: Mr. I V Satya Chanakya C/o Dr. Sambuddha Misra, Indian Institute of Science, Bangalore.
72224	Landscape evolution, Sediment characterization & Climatic variability during Quaternary in the Karewa sequence of Kashmir Valley, India.: Mr. Shirish Verma C/o Dr. Binita Phartiyal, Birbal Sahni Institute of Palaeosciences, Lucknow, U.P.
72225	Rock magnetic and geochemical Investigations of the sediments from Southeastern Arabian Sea.: Mr. Likhil AC C/o Dr. Kurian Sajan, Prof. (Retd.), CUSAT, Cochin, 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)

- 72226 Human-climate relationship in the Central Ganga Plain during Late Quaternary: A multi-proxy approach.: Mr. Arvind Tiwari C/o Dr. Binita Phartiyal, BSIP, Lucknow.
- 72227 Multi proxy approach of Indian Summer Monsoon variability during the Holocene in southern India: Evidence from lacustrine sediments.: Ms. Reshma K V C/o Dr. Sandeep K, Central University of Kerala, Tejaswini Hills, Periyar, Kerala.
- 72229 Study of climate change during the last millennium recorded in selected lakes of NW Himalaya.: Ms. Pooja Chand C/o Dr. B. S. Kotlia, Kumaun University Nainital, Uttarakhand.
- 72230 High resolution Holocene monsoon record from the Bay of Bengal.: Ms. Komal Sahadev Shinde C/o Dr. Mohan K., Vellore Institute of Technology (VIT), Vellore, Tamil Nadu.
- 72232 Radiocarbon dating of sediment cores from Cauvery Delta: A study to understand climate and Land Use.: Ms. Deepthi N C/o Dr. K. Balasubramani, Central University of Tamil Nadu, Neelakudy, Tamil Nadu.
- 72233 Landscape evolution and basin dynamics of the Cauvery Basin, South India: implications on climate and tectonics.: Ms. AL Fathima C/o Dr. M. Ramkumar, Periyar University, Salem, Tamilnadu.
- 72239 Tectonic and climatic control on the evolution and sediment transfer in the Sutlej Valley of the Northwestern Himalayas.: Mr. Arindam Biswas C/o Dr. Saptarshi Dey, IIT Gandhinagar, Gujarat.
- 72243 Reconstruction of Holocene Palaeoclimate record from core samples of Mansar and Surinsar Lakes of Jammu: Using Multiproxy Approach.: (Copy of 72241): Mr. Mohd Imtiaz C/o Dr. Som Nath, University of Jammu, Jammu, Jammu and Kashmir.
- 72312 Development of a High Voltage electrode system for measuring charge exchange reaction using ECR at IUAC.: Dr. Abhijit Barthakur, Cotton University, Panbazar, Guwahati, Assam.

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)

- 72120 Radiation induced defect studies in ceramic composites for Nuclear reactor applications.: Dr. Sejal Shah, ITER-India, IPR, Ahmedabad, Gujarat.
- 72137 Exploring the possibility of controllable p-type doping of epitaxial (111)NiO epitaxial layers through ion irradiation.: Prof. Subhabrata Dhar, IIT Bombay, Mumbai.
- 72148 Study of Radiation Shielding Properties from ion irradiation on Bi₂O₃/polymer nanocomposite.: Dr. Rajkumar Maroti Lokhande, DNCVPS Shirish Madhukarrao Chaudhari College, Jalgaon, Maharashtra.
- 72150 In vitro study on radio-sensitization effect of functionalized ZnO nanoparticles in photon and ion irradiation of lung cancer cell lines (A549):. Dr. Kalawati Saini, Miranda House, University of Delhi, Delhi.
- 72153 Effect of SHI Induced surface defects and structural changes on physicochemical properties of MXene and their composites.: Dr. Subodh Srivastava, Vevekananda Global University, Jaipur.
- 72159 In-situ and post-irradiation structural evolution of monolayer graphene by SHI irradiation: assessment of the environmental effect.: Dr. Sunil Kumar, Ruder Boskovic Institute, Croatia.

72nd ACCELERATOR USERS' WORKSHOP

JULY 06, 2022 (WEDNESDAY)

<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>
72160	Ion irradiation induced surface engineering for Enhanced Triboelectric Nanogenerator.: Dr. Bharti, Delhi Technological University, New Delhi.
72167	Investigation on Exchange Bias modification of Multiferroic Oxide bilayer system by Swift Heavy Ion Irradiation.: Dr. Hysen Thomas, Christian College Chengannur, University of Kerala, Kerala.
72170	Investigation of Kr ⁺⁺ and Ar ⁺⁺ ion beam irradiation effects of the Pd/Fe or Co thin film on S(111).: Dr. Jagadish Chandra Mahato, Visva-Bharati, Siksha Bhavana, Santiniketan, Birbhum, West Bengal.
72203	Structural, optical, magnetic and transport properties of Transition Metal Doped Tripple Pervoskite.: Mr. Aaqib Rashid C/o Prof. Mohd. Ikram, NIT Srinagar, Jammu and Kashmir.
72207	Defect induced magnetic ordering in ZnO samples using low energy ion beam (Z=2 to 16).: Mr. Sheshamani Singh C/o Dr. Neeraj Shukla, NIT Patna, Patna, Bihar.
72314	Defect induced magnetism in the Freestanding Borophene sheets using medium energy (1-2 MeV) Nitrogen ion irradiation.: Dr. Neeraj Shukla, NIT Patna, Bihar.
72215	Effect of swift heavy ion irradiation on structural, dielectric and magnetic properties of cerium doped ferrite/polyaniline nanocomposites.: Mr. Chandra Shekhar Joshi C/o Prof. R. C. Srivastava, G.B.P.U.A. & T. Pantnagar, Uttarakhand.
72216	Development and energetic ion induced modifications of Doped/Co-Doped Titanium Dioxide thin films for sensor Applications.: Mr. Abhishek Prasad, C/o Prof. R. C. Ramola, Hemvati Nandan Bahuguna Garhwal University, Srinagar, Uttarakhand.
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>
72219	Studies on Synthesis, Characterization, Optical and Structural Properties of Transition Metal Oxides and There Applications as Humidity Sensors and Gas Sensors.: Ms. Neetu Yadav C/o Prof. Narendra Kumar Pandey, University of Lucknow, Uttar Pradesh.
72220	Enhancing room temperature ferromagnetism in pure MoS ₂ and MoO ₃ by Ar and Xe ion irradiation.: Ms. Sharmistha Dey C/o Prof. Santanu Ghosh, IIT Delhi, Hauz Khas, New Delhi.
72228	Investigation of thermoelectric properties of Metal Chalcogenides.: Ms. Anita Bugalia C/o Dr. Vivek Gupta, Guru Jambheshwar University of Science & Technology, Hisar, Haryana.
72231	Studies on Synthesis and Characterization of metal oxide(s) for applications in humidity and gas sensing.: Mr. Amit Kumar Verma C/o Prof. Narendra Kumar Pandey, University of Lucknow, Lucknow, Uttar Pradesh.
72235	Radiation damage in tungsten nanocomposites using surrogate method of heavy ion beam irradiation.: Ms. Nidhi Pathak C/o Dr. Charu Lata Dube, Central University of Gujarat, Gandhinagar.
72242	Synthesis of plasmonic nanostructures by Ion Bombardment and its application.: Mr. Om Prakash C/o Prof. Santanu Ghosh, IIT Delhi, New Delhi.
72301	Effect of swift heavy ion irradiation induced strain on spin and orbital ordering in RVO ₃ thin films (R= La, Pr, Y).: Prof. Ravi Kumar, National Institute of Technology, H.P.
72302	Ion beam induced modification of structural and electronic properties of 2D MXenes-based thin films.: Dr. Pradip Kumar, CSIR- Advanced Materials and Processes Research Institute (AMPRI), Bhopal.

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)

72305 Ion Implantation as an alternative to chemical doping in perovskite solar cell fabrication.: Dr. Swapan Kumar Mandal, Visva-Bharati, Siksha-Bhavana, Santiniketan, W.B.

72306 Swift heavy ion induced modifications for tailoring the multifunctional properties of DyMnO₃ based Heterostructures.: Dr. Bharat R. Kataria, Saurashtra University, Rajkot, Gujarat.

72308 Structural and shielding analysis of Irradiation effect on nanocomposite polymer.: Dr. Rajkumar Maroti Lokhande, DNCVPS Shirish Madhukarrao Chaudhari College Jalgaon, Maharashtra.

72309 Synthesis of tetraenaite (L10-FeNi) permanent magnet through ion beam irradiation.: Dr. B. Gokul, Kongunadu Arts and Science College, Coimbatore, Tamil Nadu.

72311 Ion beam interaction on Combeite Phase Bioactive Material for enhanced Bio-compatibility and bone bonding efficiency.: Prof. S. Balakumar, National Centre for Nanoscience and Nanotechnology, University of Madras, Chennai, Tamil Nadu.

72313 Role of ion beams in dye sensitized solar cell devices.: Dr. Jeyanthinath Mayandi, School of Chemistry, Madurai Kamaraj University, Tamil Nadu, Madurai.

72315 Mechanism of swift heavy ion beam and low energy ion beam effects on quaternary solar cells.: Dr. Hareesh K, RV College of Engineering, Bangalore.

72316 Understanding the impact of Swift Heavy Ion (SHI) on nanostructured Zirconia and Hafnia film based devices and tuning of electron affinity.: Dr. Arvind Kumar, Indira Gandhi National Tribal University, Amarkantak (A Central University), MP.

72318 SHI irradiation induced surface modification of metal-oxide nanophosphors and investigation of luminescence and photoconductivity properties for luminescent and sensing devices.: Dr. Sheo Kumar Mishra, Indira Gandhi Tribble University, Amarkantak M.P.

72319 Effect swift heavy ion irradiation on structural, electrical and magnetic properties of Co doped LaMnO₃ thin films.: Dr. Farooq Hussain Bhat, IUST, Awantipora, J&K.

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)

72321 Study the impact of Swift heavy ion irradiation on Molybdenum disulfide (MoS₂) for Application as Gas Sensor.: Dr. Vinay Kumar, CCS Haryana Agricultural University, Haryana.

72322 Study of ion irradiation-induced disorder in nuclear ceramics for immobilization of radionuclides waste.: Prof. Ranjana Jha, Netaji Subhas University of Technology, Dwarka, Delhi.

72323 Tailoring electrical and optical absorption characteristics and electronic energy band structure of TiO₂/ ZnO nanostructures through high energy ion beam.: Prof. Ratnesh Gupta, School of Instrumentation, Devi Ahilya University, Indore.

72nd ACCELERATOR USERS' WORKSHOP

JULY 07, 2022 (THURSDAY)

Session Chairperson:	
09:15 – 11:00	Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
72304 & 72502	Photocurrent performance of ion implanted Iron Pyrite (FeS ₂) thin film as hole transport layer for the CZTS based solar cell.: Dr. K. Senthilkumar, National Institute of Technology Meghalaya, Shillong, Meghalaya.
72307 & 72507	Z-scheme based WS ₂ -WO ₃ and TiO ₂ -WS ₂ nanostructures for Hydrogen evolution reaction investigation.: Dr. Himani Sharma, Doon University, Kedarpur, Uttarakhand.
72317 & 72513	Tailoring multiferroic and magnetodielectric properties of DyMnO ₃ thin films using ion irradiation and implantation.: Dr. Ashish B. Ravalia, Saurashtra University, Rajkot, Gujarat. Tailoring multiferroic and magnetodielectric properties of DyMnO ₃ thin films using ion implantation.: Dr. Ashish B. Ravalia, Department of Nanoscience and Advanced Materials, Saurashtra University, Rajkot, Gujarat.
72504	Effect of Ag and Au ion implantation on the optical properties of Alkali Borophosphate glasses.: (Copy of 72501): Dr. S. Shanmuga Sundari, PSGR Krishnammal College for Women, Peelamedu, Coimbatore, Tamil Nadu.
72508	Improvisation of thermoelectric property of BaSnO ₃ ceramics using ion implantation.: Dr. S. Shanmuga Sundari, PSGR Krishnammal College for Women, Peelamedu, Coimbatore, Tamil Nadu.
72509	Ion-implantation induced local electronic structure amendment for enhancing the PCE of perovskite based photo-voltaic devices.: Dr. Aditya Sharma, Manav Rachna University, Faridabad, Haryana.
72510	Lithium doped in diamond: Investigations on electrical, optical and field emission properties, lattice distortions lithium diffusion and next generation device applications.: Prof. M. S. Ramachandra Rao (FInstP), Indian Institute of Technology Madras.
72512	Hunting for shallow n-type donor in diamond for realization of diamond p-n junctions for practical use and study of electrical and optical properties of diamond with S, NO (Nitrogen-Oxygen co-doping) ion-implantation.: Prof. M. S. Ramachandra Rao, FInstP, Indian Institute of Technology (IIT), Madras.
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)
72503	Tuning of photoactivity of efficient modified Brownmillerites by swift heavy ion irradiation for energy and environmental applications.: (Copy of 72208/ 72403): Dr. Shubra Singh, Crystal Growth Centre, Anna University, Chennai, Tamil Nadu.
72514	Effect of ion implantation on chalcopyrite and kesterite based materials for efficient solar cell applications.: Dr. K. Sethuraman, Central University of Tamil Nadu, Neelakudi, Thiruvarur, Tamil Nadu.
72515	Investigation of nitrogen related non-equilibrium defects in β -Ga ₂ O ₃ .: Dr. Saptarshi Pal, GLA University Mathura, U.P.
72516	Influence of low energy (KeV) ion irradiation on structural and optical properties of Ta ₂ O ₅ nanostructures towards gas sensing application.: Dr. Deshraj Meena, Delhi Technological University Delhi.
72517	Investigation of fragmentation dynamics of Ozone subjected under low energy ion beam irradiation.: Dr. Vishant Kumar, Inter University Accelerator Centre, New Delhi.
72518	Ion beam engineered 2D hybrid nanomaterials for gas sensing studies.: Dr. Shyamal Chatterjee, IIT Bhubaneswar, Odisha.
72519	Microstructurally engineered nanocrystalline Calcium Phosphates for Biosensing Applications.: Prof. Sekar C, Alagappa University, Karaikudi, Tamil Nadu.
72505	Induced M-shell X-Ray Production Cross-section measurement at low energies on heavy Z targets.: Dr. Amandeep Singh, University Institute of Sciences, Chandigarh University, Punjab.

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)

- 72506 Study of dissociation dynamics of propylene molecules.: Dr. Jyoti Rajput, University of Delhi, Delhi.
- 72206 Study of charge exchange phenomenon In Ion Solid Collision.: Mr. Deepak Kumar Swami C/o Dr. Ranjeet Karn, Kolhan University, Chaibasa, Jharkhand.
- 72222 Particle Induced X-ray Production cross-section measurements and trace element analysis of various samples using PIXE PIGE techniques.: Ms. Manpreet Kaur C/o Dr. Amandeep Singh, Chandigarh University, Punjab.
- 72217 Search for Tidal Wave In Nuclear Mass Region~100.: Ms. Annu Choudhary C/o Dr. Vinod Kumar, University of Lucknow, Uttar Pradesh.
- 72310 Search Of Tidal Wave In102Ru.: Dr. Vinod Kumar, University of Lucknow, Uttar Pradesh.
- 72205 Spectroscopy and lifetime measurement of excited states in ^{66}Zn , ^{66}Ga and ^{69}Ge .: Mr. Sourav Barman C/o Dr. Buddhadev Mukherjee, Visva-Bharati, Siksha Bhavana, Santiniketan, Birbhum, West Bengal.
- 72218 Spectroscopic Study of ^{98}Nb and ^{99}Mo .: Mr. Dharmendra Kumar C/o Dr. Vinod Kumar, University of Lucknow, Uttar Pradesh.
- 72221 Quasi-elastic and transfer reaction studies around the Coulomb barrier.: Dr. Rayees Ahmad Yattoo C/o Dr. Sunil Devi, Thapar Institute of engineering and Technology (TIET), Patiala.
- 72234 Benchmarking the surrogate ratio method by determining $^{47}\text{Ti}(n,p)$ cross sections using $^{53}\text{Cr}(n,p)$ as the reference reaction.: Mr. Aman Sharma, C/o Dr. Ajay Kumar, Banaras Hindu University, Varanasi, Uttar Pradesh.
- 72236 To study the effects of N/Z in heavy ion fusion- fission dynamics.: Mr. Punit Dubey C/o Dr. Ajay Kumar Tyagi, Banaras Hindu University(BHU).

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)

- 72237 Fusion and transfer studies in the $^{28,30}\text{Si}+^{142,150}\text{Nd}$ reactions at energies around the Coulomb barrier.: Ms. Anjali Merin C/o Dr. E. Prasad, Central University of Kerala, Tejaswini Hills, Periyar, Kerala.
- 72238 Study of entrance channel effects on fusion and transfer reactions induced by heavy ions.: Mr. Rajesh Kumar Sahoo C/o Dr. Dharmendra Singh, Central University of Jharkhand, Ranchi.
- 72240 Study of Incomplete fusion dynamics with weakly bound nuclei at near barrier energies.: Mr. Anuj Kumar Jashwal C/o Dr. Avinash Agarwal, Bareilly College, Bareilly.
- 72244 Life Time measurement in A~130 region using RDM technique.: Ms. Sawini Kharb C/o Dr. Amandeep Singh, Chandigarh University, Punjab.
- 72303 Nuclear structure studies in some neutron deficient nuclei in A~100 Mass Region Nuclei.: Dr. Samarjit Sihotra, Panjab University, Chandigarh.
- 72320 A novel technique to measure astrophysical S-factor for neutron sources in AGB stars using HIRA at IUAC.: Dr. Anup Nath, Cotton University, Guwahati, Assam.