

**SUMMARY OF BEAM TIME/PROJECTS SANCTIONED DURING
ACCELERATOR USERS COMMITTEE (AUC-66) MEETING**

BTR-1: Fresh proposals

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
1.	Prof. Javed N Malik Department of Earth Sciences, Indian Institute of Technology Kanpur, Pin Code: 208016 Mobile: 9956300101 javed@iitk.ac.in	Accelerator Mass Spectrometry ¹⁴ C dating.
2.	Dr. Sathyabhama Badhreenath Director (NMMA) Archaeological Survey of india, Red Fort, Delhi-110006 Mobile: 96503558585 (R) Phone: 011-23252603 (O) sathyabhama_asi@hotmail.com	Iron Age chronology of Tamrabarni Valley (Southern Tamilnadu) based on AMS C-14 dating of Husk and Bone Samples from the Urn Burial site of Adichchanallur, District Thoothukudi, Tamilnadu.
3.	Dr. Siddharth P. Prizomwala Scientist- B, Institute of Seismological Research, Gandhinagar, Gujarat, Pin Code- 382009 Mobile : +91-7567049349 prizomwalasiddharth@gmail.com	Re-enactment of the holocene relative sea level change from the Gujarat, Western India and its influence on the Harappan settlements.
4.	Dr. Sukanya Sharma Associate Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Guwahati, Guwahati, Assam, Pin Code: 781039 Phone : 0361-2582559 (O) 0361-2970717 (R) Mobile : 9435042200 Fax: 0361-2582599 sukanya@iitg.ac.in	AMS dating of the archaeological sites of Digaru-Kolong river valley, Assam.
5.	Dr. Rajeev Saraswat Senior Scientist, National Institute of Oceanography, Geological Oceanography Division, Dona Paula, Goa, Pin Code: 403004 Phone: 0832-2450622/489 (O) Mobile: 9421249860 rsaraswat@nio.org	Assessing the effect of tropical oceanic processes in driving deglaciation.
6.	Prof. Sahab Dass Head, Department of Chemistry, Faculty of Science, Dayalbagh Educational Institute, Dayalbagh Agra, Pin Code: 282005 Mobile: 9219695960 Fax: 0562-2801226 drsahabdas@gmail.com	Low energy ion beam induced surface modification of BiVO ₄ and its effect on PEC splitting of water.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
7.	<p>Dr. Sujeet Nayan Deputy Superintending Archaeologist, Archaeological Survey of India, Office of the Superintending Archaeologist, Aizawl Circle, T/126 Tuikhuahtlang Aizawl, Pin Code: 796001 Phone: 0389-2321236 Mobile: 7085094984 circleaizawl.asi@gmail.com</p>	<p>C¹⁴ dating of charcoal samples from excavation at Vangchhia, Champhai District, Mizoram.</p>
8.	<p>Dr. Rajesh Agnihotri Scientist 'E' and In-charge, Radiochronology and Isotopic Characterization Laboratory, Birbal Sahni Institute of Palaeosciences, 53, University Road, Lucknow, Pin Code: 226007 Phone: 0522-2742 905 (O) Mobile: +91- 9582570340 rajagni9@gmail.com</p>	<p>AMS C-14 measurements for samples/ standards (graphite powders) processed at BSIP radiocarbon dating laboratory.</p>
9.	<p>Dr. Mahesh Kumar Associate Professor, Room No. 207, Electrical Engineering Department, IIT Jodhpur, NH-65, Nagaur Road, Karwar Jodhpur-342037 (Rajasthan) Phone: 9116075710 (O) Mobile: 9116075710 mkumar@iitj.ac.in</p>	<p>Effect of ion irradiation on dielectric properties of ferroelectric thin film based varactor for microwave application.</p>
10.	<p>Dr. Rajani P. Ramesh Senior Geologist, Op: WC-I, Marine and Coastal Survey Division, Geological Survey of India, Mangaladevi Road, Pandeshwar, Mangalore Karnataka, Pin Code: 575001 Mobile: +91 9620121283 ; +91 9497179105 rajanirpr@gmail.com</p>	<p>Characterization of metal potential and palaeoceanographic changes recorded in Fe-Mn crust and Nodules from West Sewell Rise and Sewell Rise, Andaman Sea, North Eastern Indian Ocean.</p>
11.	<p>Prof. Yashpal Sundriyal Professor & Head Department of Geology, School of Earth Science, HNB Garhwal University Srinagar, Garhwal, Uttarakhand, Pin Code: 246174 Mobile: 9412079912 ypsundriyal@gmail.com</p>	<p>To find out the holocene paleoclimatic records from peat deposits of Baspa Valley, Kinnaur, Himachal Pradesh, India using radiocarbon AMS dating.</p>
12.	<p>Mr. Anshul Gupta Assistant Professor, K J Somaiya College of Science and Commerce Mumbai, Pin Code: 400077 Phone: 022-21025919 (O) Mobile: 9987256975 anshul@somaiya.edu</p>	<p>Fabrication and characterization of p-n junctions on GaSb VDS-substrate and their optoelectronic application.</p>

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
13.	Dr. Chandan S Chanotiya Sr. Scientist, Central Institute of Medical and Aromatic Plants, (CSIR-CIMAP), Chemical Sciences Division, Near Kukrail Picnic Spot Road, Post CIMAP, Lucknow, Uttar Pradesh, Pin Code: 226015 Phone: +0522-2718529 (O) Mobile: 09453016801 cs.chanotiya@cimap.res.in, chanotiya@gmail.com	Natural source testing for compounds bearing flavor and fragrances using the Carbon-14 method.
14.	Dr. Shushant Kumar Singh CSIR-Research Associate (RA) Room No. 206, New Building, IUAC, New Delhi-110067 Phone: 9694462109 (O) Mobile: 9528412700 singhshushant86@gmail.com	A systematic approach for synthesis of metal-doped nanocomposite thin films and their modifications by energetic ions for diverse applications.
15.	Dr. N. Manikantbabu Indira Gandhi Centre for Atomic Research Mailing Address: Room No. 194 A/B, 17th Avenue, JRF Enclave DAE Township, Kalpakkam, Tamilnadu, Pin Code: 603102 Phone: 044-27480500 Extn: 22125/22636 (O) 044-27488710 (R) Mobile: 09441268840/ 07598697840 maniphysics07@gmail.com	Radiation response of β -Ga ₂ O ₃ -based MOS Devices.
16.	Dr. Manisha Deshpande Assistant Professor, Physics Department, Jai Hind College, A Road, Churchgate, Mumbai, Maharashtra, Pin Code: 400020 Phone: 22041095 (O) Mobile: 9819210188 Manisha.joshi@jaihindcollege.edu.in	Effect of Ion implantation of Li ions on electrical characteristics of InSb bulk crystals.
17.	Dr. Dibishada B. Garnayak Superintending Archaeologist (i/c), Archaeological Survey of India, Excavation Branch-IV, Puratattva Bhawan (Ground Floor), Samantarapur, Bhubaneswar, Odisha, Pin Code: 751002 Phone: 0674-2341081 (O) 0674-2575784 (R) Mobile: +91-9437919887, +919777538488 dibishada@gmail.com	C ¹⁴ dating of Charcoal samples from Asurgarh (Early Historic Site), District- Kalahandi, Odisha.
18.	Dr. Asmita Mohanty Post-Doctoral Research Associate National Institute of Advanced studies, Mailing Address: School of Humanities, Heritage science and Society, Indian Institute of Science Campus, Bangalore, Pin Code: 560012 Mobile: +91-9358731649 geoasmitamohanty@gmail.com	Accelerator mass spectrometry ¹⁴ C dating of natural samples, gunpowder, and fuse of the rocket from various sites of south India.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
19.	Prof. Dhiren. O. Kataria Mullard Space Science Lab, University College of London, UK Mailing Address: Holmbury St. Mary, Dorking, Surrey RH5 6NT, United Kingdom, Pin Code: RH5 6NT Phone: +44-1483-204105 (O) +44- 1483-278312 d.kataria@ucl.ac.uk	Development of advanced materials for sustainable applications – space exemplar.
20.	Prof. Shishir Deshpande Senior Professor-H, Institute For Plasma Research, Bhat Village, Near Indira Bridge, Gandhinagar, Gujarat, Pin Code: 382428 Phone: 79-23962081 (O) Mobile: 9879565172 spd@ipr.res.in, shishir.p.deshpande@gmail.com	Effect of ion-induced radiation damage on deuterium trapping in tungsten.
21.	Dr. Ashaq Hussain Shah Assistant Professor, Baba Ghulam Shah Badshah, Dept. Of Physics, BGSBU -Rajouri, Jammu & Kashmir, Pin Code: 185234 Mobile:+91-9149727624 ashiquphy@gmail.com	Fabrication of Manganese Oxide (MnO ₂) reinforced polymer thin films by irradiation method for super capacitor applications.
22.	Dr. Somnath Nag Assistant Professor Department of Physics, IIT (BHU), Varanasi, Pin Code: 221005 Mobile: 09932584517 somnathn.phy@itbhu.ac.in	Magnetic rotation and octupole correlation in A ~ 120 Xe isotopes.
23.	Dr. Richa Krishna Assistant Professor, Grade (III), Amity Institute of Nanotechnology, J-2 block, 3rd floor, Amity University Uttar Pradesh, Pin Code: 201301 Phone: 0120-4392130 (O), Mobile: 9810996856	Investigations on swift heavy ion irradiation effects in Cerium oxide at elevated temperatures.
24.	Dr. S Sreekesh Associate Professor, Room No 109, Centre for the Study of Regional Development (CSR), Jawaharlal Nehru University, New Delhi-110067 Phone: 011-26704574 (O) 011-26741998 (R) Mobile: 09013575858 sreekesh@mail.jnu.ac.in	Paleo climatic reconstruction and assessment of sea level changes through geochemical analysis of sedimentary deposit.
25.	Dr. Ajit K. Mahapatro Assistant Professor, Department of Physics & Astrophysics, University of Delhi, Delhi, Pin Code: 110007 Mobile: 09871074984 ajit.km001@gmail.com	Enhancement in the electronic and sensing properties of TiO ₂ nanorods with the influence of irradiation.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
26.	Prof. Durga Basak Senior Professor, School of Physical Sciences, Indian Association for the Cultivation of Science, 2A & 2B Raja SC Mullick Road, Jadavpur, Kolkata, Pin Code: 700032 Phone: 033- 24734971, Ext.-1316 Fax: 033-24732805 Mobile: +91-9433008508 sspdb@iacs.res.in	Development of p-type ZnO nanorods by co-implantation with Al and N for fabrication of p-n homojunctions.

BTR-2: Thesis Proposals

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
27.	Ms. Sarmistha Chowdhury C/o. Dr. Ajoy Kumar Bhaumik, Applied Geology, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand- 826004 Phone: 326-223-5684 (Dr. A. Kumar) ajoy@iitism.ac.in ajoyism@gmail.com Mobile: 6290732433/ 9051513735 (Ms. Chowdhury) sarmistha.chowdhury55@gmail.com	Benthic foraminiferal distribution and oceanographic changes in Krishna- Godavari Basin: Evidences from NGHP Hole 3B.
28.	Mr. Arkaprabha Sarkar C/o. Dr. Vimal Singh Department of Geology, University of Delhi, Delhi-110007 Mobile: 9560714063 (Dr. V. Singh) vimalgeo@gmail.com Mobile: 9711124710 (Mr. Sarkar) arkaprabha.geo@hotmail.co.uk	Critical zone investigation of Pranmati Basin with emphasis on sediment budgeting.
29.	Mr. Sudhira Ranjan Bhadra C/o. Dr. Rajeev Saraswat, Senior Scientist, Geological Oceanography Division, National Institute of Oceanography, Raj Bhawan Road, Dona Paula, Goa- 403004 Mobile: 08322450622 (Dr. Saraswat) rsaraswat@nio.org Mobile: 9438235338 (Mr. Bhadra) sbhadra@nio.org	Foraminiferal distribution and paleoclimatic reconstruction from the northeastern Indian ocean.
30.	Ms. Bharti Malvi C/o. Dr. Superb Misra, Assistant Professor, Materials Science & Engineering, Indian Institute of Technology- Gandhinagar, Gujarat 382355 Mobile: 9725005023 smisra@iitgn.ac.in Mobile: 9893692883 (Ms. Malvi) bharti.malvi@iitgn.ac.in	Detection of material failure in biomedical implants using stable isotopic tracer.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
31.	Mr. Chetan Awasthi C/o. Prof. S. S. Islam Centre for Nanoscience and Nanotechnology, Jamia Millia Islamia, Jamia Nagar, New Delhi-110025 Mobile: 7011201160 chetan381995@gmail.com	Study of thermoelectric phenomenon in two dimensional materials.
32.	Mr. Gowher Hameed Rather C/o. Prof. M. Ikram, Department of Physics, National Institute of Technology Srinagar, J&K, Pin Code: 190006 Mobile: +91-8717000375 (Prof. Ikram) ikram@nitsri.net mikramnit@gmail.com Phone: +91-7006317990 (Mr. Rather) Mobile: +91-9906961742 gowher.phy@gmail.com	Probing of electric, magnetic and magnetodielectric behavior of some multiferroic composites.
33.	Mr. Nayana V. Haridas C/o. Prof. D. Senthil Nathan, Dept. Of Earth Sciences, Pondicherry University, (R. V. Nagar, Kalapet), Puducherry-605014 Mobile: 9443069430 (Prof. Senthil Nathan) senthilom@gmail.com senthilom@rediffmail.com Mobile: 9489244290 nayanavharidas93@gmail.com	Understanding paleoenvironmental conditions with special reference to paleoclimate in Bay of Bengal using foraminifera as a potential proxy.
34.	Mr. Waseem Ul Haq C/o. Prof. Santanu Ghosh Department of Physics, IIT Delhi, Hauz Khas, New Delhi-110016 Phone: +91-11-26591348 (Prof. Ghosh) santanu1@physics.iitc.ac.in Mobile: 7006872078 (Mr. Haq) waseemulhaq96@gmail.com	Synthesis and characterization of Nano-structured material for Nuclear Reactor Applications.
35.	Mr. Sansar Chand C/o. Dr. Rohit Mehra, Associate Professor, Department of Physics, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Jalandhar Amritsar G. T. Road Bypass, Pin Code: 144011, Punjab Phone: 01813082000 (Dr. Mehra), Mobile: 9888534590 mehrar@nitj.ac.in Mobile: 7840897747 sansarchand44@gmail.com mehrar@nitj.ac.in	Dosimetric aspects of Calcium based phosphate materials.
36.	Mr. Ankit Kumar C/o. Prof. A. S. Dhaliwal, Department of Physics, SLIET, Longowal, Dist. Sangrur, Punjab, Pin Code: 148106 Mobile: +91-98159-80323 dhaliwalas@hotmail.com	Ion beam processing of doped ZrO ₂ : Study of phase stabilization and its correlation with micro structure.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
37.	Mr. Gulzar Ahmad Lone C/o. Prof. M. Ikram Department of Physics, National Institute Of Technology, Hazratbal, Srinagar, Pin Code: 190006 Mobile: +91-8717000375 (Prof. Ikram) ikram@nitsri.net mikramnit@gmail.com Mobile: +91-6005124114 (Mr. Lone) gulzarnit7@gmail.com	Synthesis, characterization and irradiation studies of Cobalt based spinel ferrite $\text{CoFe}_2\text{-xRxO}_4$ (R=Ni, Mn) thin films.
38.	Ms. Madhu C/o. Dr. Ajay Y. Deo, Department of Physics, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, Pin Code: 247667 madhudahiya95@gmail.com Phone: +91-1332-285566 (O) aydeofph@iitr.ac.in	High-spin spectroscopy of neutron deficient Tl and Ir isotopes.
39.	Mr. Soumya Chatterjee C/o. Dr. Debasis Mitra Department of Physics, University of Kalyani, Nadia, West Bengal, Pin Code: 741235 Phone: 9674335531 (Dr. Mitra) debasis.mitra51@gmail.com Mobile: 9002887200 csoumya552@gmail.com	Study of energy loss and straggling due to fast highly charged ions moving through Bi-layer targets.
40.	Ms. Sreevidya E C/o. Dr. Sijin Kumar A V Department of Geology, Sabarmathi Building, Central University of Kerala, Tejaswini Hills, Periyar PO, Kasaragod, Kerala, Pin Code: 671316 Phone: 9020495237 (Dr. Sijin Kr. A V) sijingeo@gmail.com Mobile: 9656988160 (Ms. Sreevidya E) vidyaenair@gmail.com	Late cenozoic pteropod abundance/ preservation records from the Indian Ocean.
41.	Mr. Latief Mohi Ud Din C/o. Prof. G. R. Khan, Department of Physics, NIT Srinagar, Kashmir-190006 Phone: 09419007168 (Prof. Khan) gr_khan@rediffmail.com Mobile: +919596161541 (Mr. L. M. Ud Din) latiefmohiuddin@gmail.com	Ion beam irradiation effects on nanocomposite thin films/ powders of Zirconia.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
42.	Mr. Varun Vijay Savadi C/o. Dr. D. P. Singh Department of Physics, University of Petroleum & Energy Studies, Bidholi Campus, Dehradun, Pin Code: 248007 Mobile: 9927668776 (Dr. Singh) dpsingh19@gmail.com Mobile: 9027937393 (Mr. Savadi) vrnsvd@gmail.com	Observation of heavy ion reactions at energies below 10 MeV/A.
43.	Mr. Ishtiaq Ahmed C/o. Dr. Rakesh Kumar Inter- University Accelerator Centre, New Delhi-110067 Mobile: 9868207046 (Dr. Kumar) rakuiuac@gmail.com Mobile: 9958147804 (Mr. Ahmed) ishtiaq729@gmail.com	Investigation of low-lying electromagnetic structure of $^{84,86,88}\text{Sr}$ isotopes using Coulomb excitation.
44.	Mr. Harun Al Rashid C/o. Dr. Kushal Kalita Department of Physics, Gauhati University, Guwahati, Assam, Pin Code: 781014 Mobile: 9859936869 (Dr. Kalita) ku_kalita@yahoo.com Mobile: 8876638719 (Mr. Rashid) Rashidharunal5@gmail.com	Investigation of multi-nucleon transfer reactions and neutron-proton correlation: Effects of nuclear deformation and orientation.
45.	Ms. Arunita Mukherjee C/o. Dr. Tarkeshwar Trivedi Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur, Pin Code: 495009 Phone: 9479245960 (Dr. Trivedi) ttrivedi1@gmail.com Mobile: 08902083449 (Ms. Mukherjee) arunita.mukherjee7@gmail.com	Spectroscopic investigation of different excitation modes in transitional Nuclei.
46.	Mr. Sushil Kumar C/o. Dr. Rakesh Kumar Nuclear Physics Group, Inter University Accelerator Centre, New Delhi-110067 Phone: 9868207046 (Dr. Kumar) rakuiuac@gmail.com Mobile: 9453353909 sushil.phy1@gmail.com	Study of entrance channel effects on heavy-ion induced reactions dynamics at energy below 10 MeV/ nucleon.
47.	Mr. Abid Hussain C/o. Dr. P. K. Kulriya Materials Science Group, IUAC, New Delhi, Pin Code: 110067 pawaniuac@gmail.com Mobile: 6005104668 (Mr. Hussain) aabidhussaini786@gmail.com	Investigation of radiation damage effects in high entropy alloys for nuclear reactor applications.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
48.	<p>Ms. Bharti Rohila C/o. Dr. Ashok Kumar Department of Physics, Punjab University, Chandigarh - 160014 Mobile: 9041908468 (Dr. Kumar) ashok@pu.ac.in Mobile: 9416738728 (Ms. Rohila) bhartipu1@gmail.com</p>	<p>High spin study and lifetime measurements in mass region A~120 nuclei.</p>
49.	<p>Ms. Malvika C/o. Dr. Moumita Maiti, Department of Physics, Indian Institute of Technology Roorkee, Roorkee, Pin Code: 247667, Uttarakhand. Mobile: 7579200711 (Dr. Maiti) moumifph@gmail.com, moumifph@iitr.ac.in Mobile: 9518209081 (Ms. Malvika) malvikachaudhary4@gmail.com</p>	<p>Study of the role of transfer channel couplings in fusion dynamics in the sub-barrier region.</p>
50.	<p>Ms. Nisha Yadav C/o. Dr. Manoj Kumar Department of Physics, Malaviya National Institute of Technology Jaipur, Pin Code: 302017 Mobile: 9549659761 (Dr. Kumar) nkumar.phy@mnit.ac.in kmanujk@gmail.com Mobile: 8920618221,9313354380 (Ms. Yadav) nishayadav30@gmail.com</p>	<p>Magnetic multilayer structures of 3D Topological Insulators by Ion Implantation.</p>
51.	<p>Mr. Ravi Bhushan C/o. Dr. S. K. Chamoli, Department of Physics & Astrophysics, Delhi University, Delhi-110007 Mobile: 9999062324 (Dr. Chamoli) skchamoli@physics.du.ac.in Mobile: 7678449566 (Mr. Bhushan) bhushanravi2625@gmail.com</p>	<p>Search for nuclear exotic shapes at high spins in nuclei of mass A ~ 160.</p>
52.	<p>Ms. Diwanshu C/o. Dr. Ashok Kumar Department of Physics, Panjab University, Chandigarh, Pin Code: 160 014 Mobile: 9041908468 (Dr. Kumar) ashok@pu.ac.in Mobile: 8872327282 (Ms. Diwanshu) diwanshusharma96@gmail.com</p>	<p>High spin states and Life time measurements in mass region A~ 100 nuclei using Recoil Distance Doppler Shift Method.</p>
53.	<p>Mr. Sanjay Kumar Sharma C/o. Prof. (Dr.) Yogeshchandra Sharma, Dean (Research and Development), Department of Physics, Vivekananda Global University, Jaipur (Rajasthan), Pin Code: 303012 Mobile: +91-7597776818 (Prof. Sharma) yc.sharma.vit@gmail.com Phone: 0141-4077999 (Mr. S. K. Sharma) Mobile: 9664075093 yc_sharma@vgu.ac.in</p>	<p>Study of Surface modification of Inconel 625 alloy.</p>

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
54.	Mr. Ranjan Sariyal C/o. Prof. Devinder Mehta, Departement of Physics, Panjab University, Sector-14, Chandigarh- 160014 Phone: 0172-2534489, 9815973101 (Prof. Mehta) dmehta@pu.ac.in Mobile: +91-7987170249 ranjansariyal117@gmail.com	Studies in nuclear viscosity and fission hindrance at finite temperature and angular momentum.

BTR-3: UFR Proposals

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
55.	Prof. B. N. Dole Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431 004, Maharashtra state Phone: +91-240-2403385 (O +918237006572 (R) Mobile: +918237006572 Fax: +91-240-2403337 drbndole.phy@gmail.com	Exploring the swift heavy ion irradiation effect on the properties of GO Based Ni Doped Cobalt Oxide Nanocomposites for supercapacitor applications .
56.	Prof. Neena Jaggi Department of Physics, National Institute of Technology, Kurukshetra, Haryana, Pin Code: 136119 Phone: 01744233548 (O) 01744259499 (R) 9896197827 neenajaggi12@gmail.com jaggineena@nitkkr.ac.in	Ion irradiation modifications in Polymer/ metal oxides based composites of carbon nanotubes for sensitive gas sensors.
57.	Prof. Ashok Kumar Department of Physics, Tezpur University, Napaam Assam, Pin Code: 784028 Phone: 03712 275553 (O) 9401620770 (M) Fax: 03712 267006 ask@tezu.ernet.in	Ion irradiation effects on conducting polymer@carbon nanomaterials based nanocomposites functionalized with metal (Au/Ag) nanoparticles for amperometric immunosensors for efficient detection of mycotoxins.
58.	Dr. Sameer Kalia Associate Professor P. G. Department of Physics and electronics, DAV College, Katra Sher Singh, Amritsar, Punjab, Pin Code: 143001 Phone: 0183-2553377 Mobile: 08847372088	Ion implantation induced band modifications in Boron Sub Phthalocyanine Chloride and its derivatives for enhanced photovoltaic properties.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
59.	Dr. Ajay Kumar Assistant Professor (Stage III) Physics Department, BHU, Varanasi, Pin Code: 221005 Mobile: 9532098800 atyagi44@yahoo.co.in	Departure of entrance channel effects in heavy ion induced fusion reactions.
60.	Dr. S. Shanmuga Sundari Assistant Professor in Physics, Department of Physics, PSGR Krishnammal College for Women Coimbatore, Tamil Nadu, Pin Code: 641004 Phone: 04224295959 (O) 04222470541 (R) Mobile: 9488029062 shanmugi.s@gmail.com	Development of optical waveguide in Alkali borate glasses using Ion beams.
61.	Prof. Santosh Dubey Department of Physics, University of Petroleum & Energy Studies (UPES), Bidholi, Via Premnagar, Dehradun, Uttarakhand, Pin Code: 248007 Mobile: 8052261535 santosh.dubey@ddn.upes.ac.in	Investigation of formation and stabilization of low resistance Ni-Si phase under ion irradiation.
62.	Dr. T. K. Subramanyam Head- Interdisciplinary Research Center & Associate Professor, Dept. Of Physics RV Vidyaniketan, Post, Mysore Road, Bengaluru, Karnataka, Pin Code: 560059 Phone: 08067178379 Mobile: 9945567140 subramanyamtk@rvce.edu.in	Effect of irradiation by heavy ions on the photovoltaic performance of HIT Solar Cells.
63.	Dr. Hareesh K Assistant Professor School of Applied Sciences (Physics), REVA University, Rukmini Knowledge Park, Bangalore, Karnataka, Pin Code: 560064 Phone: 080-25692678(O) Mobile: 09986996834 Fax: 080-66226677 Appi.2907@gmail.com	Mechanism of heavy ion effects on InGaP and InGaAs sub solar cells.
64.	Dr. Biplab Kumar Kuila Associate Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, Uttar Pradesh, Pin Code: 221005 Phone: 8804633754 (O) Mobile: 8804633754 Bkkuila.chem@bhu.ac.in	Fabrication of nanostructured surfaces of different functional material by low energy ion irradiation of self-assembled block copolymer layer.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
65.	Dr. Debasish Sarkar Assistant Professor, Department of Physics, Malaviya National Institute of Technology Jaipur, JLN Marg, Jaipur – 302017 (Rajasthan) Mobile: +91-8310633451 deb.sarkar1985@gmail.com debasish.phy@mnit.ac.in	Effects of ion irradiation on solid electrolytes for all solid state metal ion batteries.
66.	Dr. Dip Prakash Samajdar Assistant Professor, PDPM Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Jabalpur, Dumna Airport Road, Khamaria, Jabalpur, Pin Code: 482005, Madhya Pradesh Phone: +91-761-2794474, Mobile: +91-9477137992 dip.samajdar@iiitdmj.ac.in	Study of the swift heavy ion irradiation effect on inGaSb IR detector.
67.	Dr. Mumtaz Oswal Assistant Professor, Department of Physics, Dev Samaj College for Women, Sector 45 B, Chandigarh, Pin Code: 160047 Mobile: 09988708584 mumtaz.oswal@gmail.com	Study of K shell ionization in the reverse kinematics for the asymmetric collision system for the validation of CDW-EIS theory.
68.	Dr. Sandeep Sharma Asst. Prof. Dept. Of Physics, GNDU Amritsar, Punjab, Pin Code: 143005 Mobile: 09780555783 sandeepsc1@gmail.com	Exploring the defects activated optical and sensing response in 2-Dimensional transition metal dichalcogenides thin films.
69.	Dr. Radha Perumal Ramasamy Assistant Professor, Department of Applied Science and Technology, Anna University Chennai, Chennai – 600025 Phone: 044 2235 9203 (O) Mobile: 8608762302 Perumal.ramasamy@gmail.com	Investigation of effect of ions on magnetism in graphene nanocomposites.
70.	Dr. Sadhana Katlakunta Assistant Professor, Department of Physics, University College of Science, Saifabad, Osmania University, Hyderabad, Telangana, Pin Code: 500004 Phone: 9010292893 sadhana@osmania.ac.in	Development of rare earth free permanent magnetic materials using transition metal co doped M type hexaferrites.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
71.	Dr. Anjali Awasthi Assistant Professor, Department of Zoology, University of Rajasthan, Jaipur-302055, Rajasthan, Phone: 0141-2713441 (O) 0141-2713541 (R) Mobile: 09461339369 anjkam.awasthi@gmail.com	Ion beam induced mutagenic study of Basmati Rice.
72.	Dr. Balram Tripathi Associate Professor, Department of Physics, S S Jain Subodh (PG) college Jaipur-302004 (University of Rajasthan Jaipur) Phone: 0141-2565989(O) Mobile: 9460067015 Fax: 0141-2569126 balramtripathi1181@gmail.com	Study of SHI irradiation on multilayer ferroelectrics for photovoltaic response.
73.	Dr. Kamendra Awasthi Assistant Professor, Soft Materials Lab, Department of Physics, Malaviya National Institute of Technology (MNIT) Jaipur-302017 (Rajasthan) Phone: 0141-2713441(O) 0141-2713541(R) Mobile: +91-9549659179 kawasthi.phy@mnit.ac.in kamendra.awasthi@gmail.com	Track etched membranes based bimetallic nanowires for hydrogen sensing.
74.	Dr. Tejashree Bhawe Assistant Professor and Head, Department of Applied Physics, Defence Institute of Advanced Technology, Girinagar, Pune, Pin Code: 411025 Phone: 91-20-4304095 (O) 91-20-4616108 (R) Mobile: 91-9657728583 tejashreebhawe@diat.ac.in tejab68@gmail.com	Ion beam assisted amorphization/ recrystallization of Bismuth Silicon Oxide and Bismuth Titanium Oxide microcrystalline films to tailor their nonlinear optical and electronic properties.
75.	Dr. S. Appannababu Assistant Professor (UGC – FRP), Department of Nuclear Physics, Andhra University, Waltair, Visakhapatnam, Andhrapradesh, Pin Code: 530003 Phone: 91-891-2844609 (O) Mobile: 9550754387 appannababu@gmail.com	The study of evaporation residue measurements for the compound nuclei $^{222,224}\text{Th}$.

BTR-5: LOW ENERGY ION BEAM FACILITY

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
76.	Dr. Ashish Mathur	Surface modification of poly-pyrrole thin film using low energy

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
	Asst. Prof., Amity Institute of Nanotechnology, Amity University Uttar Pradesh, Pin Code: 201313 Mobile: 9711202697 amathur@amity.edu	ion beam for sensing applications based on molecular imprinting technique.
77.	Prof. M. S. Ramachandra Rao Material Science Research Center (MSRC), Department of Physics, IIT Madras, Chennai- 600036 Mobile: 9444008651 msrrao@iitm.ac.in	Electrical transport study of n-type diamond by ion implantation.
78.	Dr. Shyamal Chatterjee Assistant Professor, Room 120, School of Basic Sciences, IIT Bhubaneswar, Jatni, Khordha, Odisha, Pin Code: 752050 Mobile: 9938245478 shyamal@iitbbs.ac.in	Ion beam fabrication of nanostructured heterojunctions.
79.	Prof. Sahab Dass Head, Department of Chemistry, Faculty of Science, Dayalbagh Educational Institute, Dayalbagh Agra, Pin Code: 282005 Mobile: 9219695960 Fax: 0562-2801226 drsahabdas@gmail.com	Low energy ion beam induced surface modification of BiVO ₄ and its effect on PEC splitting of water.
80.	Dr. A. P. Srivastava Scientific Officer, Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Trombay, Mumbai – 400085 Phone: 02225590457 (O) Mobile: 9869528382, apsrivas@gmail.com	Effect of pre-existing defect sinks on evolution of irradiation induced defects.
81.	Dr. Jyoti Gupta KSKRA – 26th Batch2-326-S, ModLab – D Block, Material Science Division (MSD), Bhabha Atomic Research Center (BARC), Trombay, Pin Code: 400085 Phone: +91 (022) 25595404 (O), Mobile: +91 9969549452 jyotig@barc.gov.in jyotigupta306@gmail.com	Emulating the effect of internal irradiation on the microstructure of zircon using ion beam.
82.	Dr. Mahesh Kumar Associate Professor, Room No. 207, Electrical Engineering Department, IIT Jodhpur, NH-65, Nagaur Road, Karawar Jodhpur-342037 (Rajasthan) Phone: 9116075710 (O) Mobile: 9116075710 mkumar@iitj.ac.in	Effect of ion irradiation on dielectric properties of ferroelectric thin film based varactor for microwave application.
83.	Prof. G. Mohan Rao Dept. of Instrumentation and Applied Physics, Indian Institute of Science, Bangalore, Pin Code: 560012 Phone: 080-22932890 (O) Mobile: 9980536475 gmrao@iisc.ac.in	Effect of Nitrogen and Li Ion irradiation on electrical properties of ZnSnN ₂ thin-films.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
84.	Dr. Subhadeep Datta Faculty Fellow, Indian Association for the Cultivation of Science (IACS), 2A & 2B Raja S C Mullick Road, Kolkata, Pin Code: 700032 Phone: +91-33-2473 4971 (O) Extn. 2141, Mobile: +919748285438 sspsdd@iacs.res.in	Study of optical and magnetic properties of magnetic ion irradiated/ implanted FePS ₃ crystals.
85.	Dr. S. Shanmuga Sundari Assistant Professor, Department of Physics, PSGR Krishnammal College for Women Coimbatore, Tamil Nadu, Pin Code: 641004 Phone: 04224295959 (O) 04222470541 (R) Mobile: 9488029062 shanmugi.s@gmail.com	Optical waveguide fabrication in GPI based single crystals.
86.	Dr. Shushant Kumar Singh CSIR-Research Associate (RA), Room No. 206, New Building, IUAC, New Delhi-110067 Phone: 9694462109 (O) Mobile: 9528412700 singhshushant86@gmail.com	A systematic approach for synthesis of metal-doped nanocomposite thin films and their modifications by energetic ions for diverse applications.
87.	Dr. Debais Mitra Assistant Professor, Department of Physics, University of Kalyani, Kalyani, Nadia, West Bengal, Pin Code: 741235 Mobile: 9674335531 debasis.mitra51@gmail.com	Study of the anisotropy parameter of different M x ray lines of heavy Z target induced by low velocity protons and heavy ions.
88.	Prof. Sanjeev Kumar Department of Physics, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh, Pin Code: 791112 Mobile: 9435565142 sanjeev.kumar@rgu.ac.in	Co-implantation studies of ZnO thin films: Better understanding of room temperature ferromagnetism using ion beams.
89.	Dr. Somnath C Roy Associate Professor, Dept. of Physics, IIT Madras, Chennai, Tamil Nadu, Pin Code: 600036 Phone: 044-2257-4886 (O) Mobile: 08056081266 somnath@iitm.ac.in	Study of the effect of Ag ⁺ and Ar ⁺ ion implantation on TiO ₂ nanostructures (nanotubes and nanorods).
90.	Dr. Dip Prakash Samajdar Assistant Professor, PDPM Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Jabalpur, Dumna Airport Road, Khamaria, Jabalpur, Pin Code: 482005, Madhya Pradesh Phone: +91-761-2794474, Mobile: +91-	Study of the swift heavy ion irradiation effect on inGaSb IR detector.

S. No .	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
	9477137992 dip.samajdar@iiitdmj.ac.in	
91.	Prof. L. P. Purohit Dept. of physics, Gurukula Kangri University, Haridwar, Uttarakhand, Pin Code: 249404 Mobile: +91-7300761217 lppurohit@gmail.com	Band gap engineering of F-doped TiO ₂ using ion beam implantation/ irradiation.
92.	Prof. Sankar Dhar Prof. & Head, Department of Physics, (Block A, Room 021), School of Natural Sciences, Shiv Nadar University, Gautam Buddha Nagar, P.O. NH- 91, UP-201314 Phone/ Mobile: 9123300977 sankar.dhar@snu.edu.in	Irradiation induced modification of structural, optical and electrical properties of epitaxial SrVO ₃ thin films.
93.	Mr. Abid Hussain C/o. Dr. P. K. Kulriya Materials Science Group, IUAC, New Delhi-110067 pawaniuac@gmail.com Mobile: 6005104668 (Mr. Hussain) aabidhussaini786@gmail.com	Investigation of radiation damage effects in high entropy alloys for nuclear reactor applications.
94.	Dr. Richa Krishna Assistant Professor, Grade (III), Amity Institute of Nanotechnology, J-2 block, 3rd floor, Amity University Uttar Pradesh, Pin Code: 201301 Phone: 0120-4392130 (O), Mobile: 9810996856	Investigations on swift heavy ion irradiation effects in Cerium oxide at elevated temperatures.
95.	Prof. Dhiren. O. Kataria Mullard Space Science Lab, University College of London, UK Mailing Address: Holmbury St. Mary, Dorking, Surrey RH5 6NT, United Kingdom, Pin Code: RH5 6NT Phone: +44-1483-204105 (O) +44-1483-278312 d.kataria@ucl.ac.uk	Development of advanced materials for sustainable applications – space exemplar.
96.	Mr. Sansar Chand C/o. Dr. Rohit Mehra, Associate Professor, Department of Physics, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Jalandhar Amritsar G. T. Road Bypass, Pin Code: 144011, Punjab Phone: 01813082000 (Dr. Mehra), Mobile: 9888534590 mehrar@nitj.ac.in Mobile: 7840897747 sansarchand44@gmail.com mehrar@nitj.ac.in	Dosimetric aspects of Calcium based phosphate materials.
97.	Mr. Waseem UI Haq C/o. Prof. Santanu Ghosh Department of Physics, IIT Delhi, Hauz Khas, New Delhi-110016	Synthesis and characterization of Nano-structured material for Nuclear Reactor Applications.

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	Phone: +91-11-26591348 (Prof. Ghosh) santanu1@physics.iitc.ac.in Mobile: 7006872078 (Mr. Haq) waseemulhaq96@gmail.com	