

**SUMMARY OF BEAM TIME/PROJECTS SANCTIONED DURING
ACCELERATOR USERS COMMITTEE (AUC-56) MEETING**

S.No	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
1	Dr. Ramesh Chandra Professor and Head of the Department Nano Science Lab., Institute Instrumentation Centre , IIT Roorkee, PIN Code :247667	Study of Hydrogen Storage Property of Hydrophobic Porous Pd/Mg/Si thin films/multilayers.
2	Dr. D. Behera Associate Professor Department of Physics and Astronomy, NIT, Rourkela – 769 008	Study of Magneto-transport and critical current density in SHI irradiated Superconductors/ ferromagnetic composite thick film
3	Dr. K. Hareesh Post Doctoral Fellow C/o Prof. S. D. Dhole Department of Physics, University of Pune, Ganeshkhind, Pune, Maharashtra- 411007	Effect of swift heavy ions on synthesized graphene based super-capacitor
4	Prof. Haruo Shiromaru Department of Chemistry, Tokyo Metropolitan University, 1-1 Minami- ohsawa, Hachioji, JAPAN PIN Code: 192-0397	Probing intra-molecular scattering in polyatomic molecules under heavy ion impact.
5	Dr. Shashank N. Kane Professor School of Physics, D. A. University Khandwa Road, Indore (M. P.) Pin Code – 452001	Swift heavy ion irradiation induced changes in structural and magnetic properties of Fe and Co based metallic glasses
6	Dr. H. P. Sharma Associate Professor Department of Physics, Banaras Hindu University, Varanasi – 221005	Investigation of collective and non-collective states via lifetime measurements in ^{121,123} I.
7	Prof. Shu Seki Osaka University 2-1 Yamadaoka, Suita, Osaka-5650871, JAPAN , Pin Code: 5650871	Observation of Highly Uniform Nanowires from Small Molecule-Based Materials
8	Dr. Tapan Nandi Scientist IUAC New Delhi- 110067	Ion-energy loss and straggling due to surface energy loss field as a function of charge state and metal layer thickness of the bi-layer target

9	Dr. K. Sethuraman Assistant Professor Department of Physics, School of Physics, Madurai Kamaraj University, Madurai, Tamilnadu-625021	Effect of swift heavy ion irradiation on the morphology, structure, optical and electrical properties of CuInS ₂ thin films
10	Dr. Mukesh Kumar #331, Department of Physics Indian Institute of Technology Ropar ,Nangal Road, Rupnagar, Punjab - 140 001	Investigation of the electrical, optical and structural properties of SHI irradiated Cu-Zn-Sn-S thin films for solar cell applications
11	Prof. H. C. Swart Department of Physics University of the Free State, Bloemfontein, South Africa Pin Code: ZA9300	Synthesis of metal oxide based nanocrystals for dosimetry and light emitting application tailored by swift heavy ion irradiation
12	Dr. A. P. Gnana Prakash Associate Professor Department of Studies in Physics, University of Mysore, Manasagangotri, Mysore- 570006	Analysis of swift heavy ion induced defects in 50 GHz and 200 GHz SiGe Heterojunction Bipolar Transistors using deep level transient spectroscopy technique.
13	Dr. Santanu Ghosh Associate Professor Indian Institute of Technology Department of Physics,IIT Delhi, Hauz Khas , New Delhi - 110016	Field emission studies of swift heavy ion irradiated metal nanoparticles embedded in thin insulating matrix
14	Dr. A. M. Vinodkumar Associate Professor University of Calicut Department of Physics, Calicut University , Kerala - 673635	Capture and Evaporation Residue measurements in the ³² S + ^{180,186} W reactions
15	Prof. P.Predeep Department of Physics National Institute of Technology Calicut (NITC),P.O, Calicut Kerala, Pin Code: 673601	Enhancement of fuel cell action of nafion memberane by latent track formation and grafting with nanohydro gels
16	Dr. T. S. Tripathi Research Associate Inter- University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi-110067	Electrical transport and magnetic characterization of swift heavy ion irradiated Ca ₃ Co ₄ O ₉ thin films.

17	<p>Dr. Satyabrata Mohapatra Assistant Professor School of Basic and Applied Sciences , Guru Gobind Singh Indraprastha University, Sec-16 C, Dwarka, New Delhi- 110078</p>	<p>Study of effects of SHI irradiation on structural, optical and gas sensing properties of Ag-SnO₂ and Au-SnO₂ nanocomposites</p>
18	<p>Dr. Senoy Thomas INSPIRE Faculty Materials Science and Technology Division CSIR-NIIST Thiruvananthapuram Industrial Estate P.O., Pappanamcode, Kerala - 695019</p>	<p>Tailoring the interfacial exchange coupling in AF/FM thin film layers via swift heavy ions</p>
19	<p>Dr. V. Vasu Associate Professor, School of Physics, Madurai Kamaraj University, Madurai, Tamilnadu- 625 021</p>	<p>Hydrogen storage in carbon nanotubes doped with Ti metal</p>
20	<p>Dr. Santosh Roy Post Doctoral Visiting Scientist Tata Institute of Fundamental Research Homi Bhabha Road Colaba , Maharashtra- 400005</p>	<p>Study of Low spin states of Cadmium and Indium isotopes</p>
21	<p>Dr. Tanuja Mohanty Assistant Professor School of Physical Sciences (SPS) Jawaharlal Nehru University New Delhi – 110 067</p>	<p>Study of dense electronic excitation induced modification on synergic effect of MoS₂ and graphene as co-catalysts for H₂ production of TiO₂ nanoparticles</p>
22	<p>Dr. Ajay Y. Deo Assistant Professor Department of Physics Indian Institute of Technology Roorkee, Uttarakhand- 247667</p>	<p>High-spin states and isomers above the N = 126 shell closure.</p>
23	<p>Dr. Pushpendra P. Singh Assistant Professor Indian Institute of Technology (IIT) Room #111, Admin Block, Department of Physics, Indian Institute of Technology, Ropar, Rupnagar, Punjab- 140001</p>	<p>Understanding the Transition of Nuclear Reactions from Sub- to Above- Barrier Energies</p>

24	Mr. Sanjeev Kumar Gupta C/o. Dr. Rajesh Kumar University School of Basic & Applied Sciences Guru Gobind Singh Indraprastha university, New Delhi	A study of SHI and Gamma ray induced modifications of some polymers and their characterization
25	Mr. Veeresh Kumar C/O. Dr. Rahul Singhal (Asst. Prof.) Department of Physics, MNIT Jaipur JLN Marg, Malaviya Nagar- 302017 Mobile No.: 09694462695 vks8361@gmail.com	Ion irradiation studies of NiTi shape memory alloys thin films
26	Ms. Kanchan Joshi C/o. Prof. R. C. Ramola Department of Physics, HNBG University , Tehri Garwal - 249199	Thermo-electric, Raman and Optical Studies of Al and Cu co-doped Zinc Oxide and Their Modifications by Energetic Ions
27	Ms. Prachi Yadav C/o. Prof. Sunita Rattan Amity Institute of Applied Sciences, Amity University, Noida, Uttar Pradesh	Synthesis and Modification of Polymer/Nanographite Nanocomposites through Ion Irradiation
28	Mr. Ram Raseele Awasthi C/o. Dr. B. Das Advanced Materials Research Lab., Department of Physics, University of Lucknow, Lucknow- U. P. Pin Code: 226007	Tailoring the Structural and Physical Properties of Multiferroic Nanomaterials BiFeO ₃ (bulk & thin film) by Swift Heavy Ion (SHI) Irradiation
29	Ms. Bharti Singh C/o. Dr. B. Das Advanced Materials Research Lab., Department of Physics, University of Lucknow, Lucknow- U. P. Pin Code: 226007	Synthesis and Characterization of polymer nanocomposite of tin oxide
30	Ms. Paramita Patra C/o. Sanjeev Kumar Srivastava Research Scholar Department of Physics Indian Institute of Technology, Kharagpur- 721302	Effect of Electron-Phonon Coupling on Swift Heavy Ion induced Mixing/Demixing

31	Mr. Rajiv Borah C/o. Prof. Ashok Kumar Materials Research Laboratory, Dept. of Physics, Tezpur University, Napaam – 784028, Assam	Surface Functionalization of Conducting Polymer Nanostructures for biomedical applications and Swift Heavy Ion Irradiation effects
32	Mr. Shashi Shekher Tiwary C/o. Dr. H. P. Sharma Department of Physics Banaras Hindu University Varanasi, Uttar Pradesh, - 221005	Study of collective, non-collective states at high spins in $^{125,127}\text{Cs}$ nuclei
33	Mr. Rajesh G. Singh C/o. Dr. Amar Deo Yadav Department of Physics, University of Mumbai Vidyanagari campus, Santacruz (E), Mumbai	Investigation of structure, electrical and optical properties of cadmium Selenide photovoltaic thin films.
34	Mr. S Satyanarayana Reddy C/o. K. R. Nagabhushana JRF, Physics R & D Center, P. E. S. Institute of Technology, 100 Feet Ring Road, B.S.K. III Stage, Bangalore- 560085	Synthesis and Characterization of Al_2O_3 for Ion Beam Dosimetry
35	Mr. Arindam Biswas C/o Dr. Buddhadev Mukherjee Dept of Physics Siksha-Bhavana , Visva-Bharati, Santiniketan- 731235	Spectroscopy and Lifetime Measurement in nuclei of mass region 70.
36	Mr. Kapil Gupta C/o. Dr. Sarvesh Kumar Department of Physics, Faculty of Engineering & Technology, Manav Rachna International University, Faridabad- 121001	Ion Irradiation Induced Effects on the Structural, Electrical and Optical Properties of Transition Metal Oxides
37	Mr. Kushal Kapoor C/o. Dr. Ashok Kumar, Department of Physics, Panjab University, Chandigarh, Chandigarh (UT)- 160014	Study of Fusion- Fission dynamics via light particles multiplicity measurement.

38	Mr. Akashrup Banerjee C/o. Dr. Samit Kumar Mandal Room Number 182, Multistorey building, Department Of Physics and Astrophysics, University of Delhi. New Delhi-110007.	Development of Pulse Shape analysis and Gamma tracking mechanism in a segmented Germanium detector for decay study.
39	Mr. Prashant Sharma C/o. Dr. Tapan Nandi Boys Hostel Room No. 9, IUAC, New Delhi-67	Atomic Phenomena in Highly Charged Ions Produced During Nuclear Reactions
40	Mr. S. Gholam Wahid C/o Prof. Sujit Tandel UM-DAE Centre for Excellence in Basic Sciences, Health Centre Building, University of Mumbai, Kalina, Santacruz (East), Mumbai- 400098.	Evolution of octupole correlations along the Pa isotopic chain
41	Mr. Saradindu Samanta C/o. Dr. S. S. Ghugre UGC-DAE Consortium for Scientific Research, Kolkata Centre, LB-8 Sector-III Bidhannagar, Kolkata-700098	Nuclear Structure Studies in the Vicinity of the ^{56}Ni Core
42	Mr. Soumya Kanti Das C/o. Dr. S. S. Ghugre UGC-DAE Consortium for Scientific Research, Kolkata Centre, LB-8 Sector-III Bidhannagar, Kolkata-700098	Spectroscopy of Neutron Deficient At Isotopes
43	Mr. Naba Kumar Ghosh C/o. Dr. A. K. Sinha UGC-DAE Consortium for Scientific Research, Kolkata Centre , LB-8 Sector-III Bidhannagar , Kolkata-700098	ER-Spin Distribution and Excitation Function and Back Angle Elastic Scattering Measurements for Large Mass Asymmetry Heavy-ion Fusion Reactions Investigating Possible "CELD" Effect
44	Mr. D.V.G.R.K. Siva Kumar C/o. Dr. P. V. Madhusudhana Rao Swami Jnanananda Laboratories for Nuclear Research Nuclear Physics Department Andhra University Visakhapatnam – 530 003	Fission time scales for symmetric and asymmetric fission modes in Thorium compound nuclei from neutron measurements.

45	<p>Ms. P. Sandya Devi C/o. Dr. P. V. Madhusudhana Rao Swami Jnanananda Laboratories for Nuclear Research Nuclear Physics Department Andhra University , Visakhapatnam – 530 003</p>	<p>Evaporation residue cross section measurements for Thorium nuclei in the vicinity of the magic number N=126.</p>
46	<p>Dr. S. J. Dhoble Associate Professor, Department of Physics, RTM Nagpur University, Nagpur-440033</p>	<p>Thermoluminescence characterization of lithium based TLD materials by using swift ions and photons</p>
47	<p>Dr. Mohd. Ikram. Associate Professor Department of Physics, National Institute of Technology (Deemed University), Hazratbal, Srinagar-190006, Kashmir (J&K).</p>	<p>Effect of SHI Irradiation on the Double Perovskite R_2MnNiO_6 (R = rare earth) Oxide Materials.</p>
48	<p>Dr. R. P. Chauhan Associate Professor Department of Physics National Institute of Technology Kurukshetra-136119 (Haryana), India</p>	<p>Study of Ion Beam Induced Modifications in Semiconducting Nanostructures</p>
49	<p>Dr. Azher Majid Siddiqui Assistant Professor, Department of Physics Jamia Millia Islamia University, New Delhi-110025</p>	<p>Ion Beam Irradiation on Indium Oxide and Tin Dioxide Thin Films for Application in the Field of Gas Sensors</p>
50	<p>Dr. Jitendra Sharma Assistant Professor School of Physics Shri Mata Vaishno Devi University, Kakriyal, Katra, J & K, Pin: 182320</p>	<p>Effects of Swift Heavy Ion Irradiation on Graphene-Based Polymer Nanocomposites</p>
51	<p>Prof. (Mrs.) C. M. Chaturvedi Professor & Head Molecular Neuroendocrinology Laboratory Department of Zoology, Banaras Hindu University, Varanasi- 221005</p>	<p>High LET radiation induced effects on signaling pathways in human prostate cancer cell line</p>

52	<p>Prof. S. Mukherjee Professor of Physics Department of Physics, Faculty of Science M. S. University of Baroda, Vadodara- 390002</p>	<p>Effect of Neutron pair correlation in the quasi elastic scattering and threshold anomaly</p>
53	<p>Dr. Ram Lal Associate Professor, Department of Physics Government College Faridabad (Haryana) Pin: 121002</p>	<p>Effect of high energy ion beam on structural and physical properties of nanostructured polymer system</p>
54	<p>Dr. Balram Tripathi Associate Professor Department of Physics S S Jain Subodh (PG) college Jaipur-302004 (University of Rajasthan Jaipur)</p>	<p>Study of SHI irradiation on CNT decorated semiconductor photo catalysts</p>
55	<p>Dr. Satyabrata Mohapatra Assistant Professor School of Basic and Applied Sciences , Guru Gobind Singh Indraprastha University, Sec-16 C, Dwarka, New Delhi- 110078</p>	<p>Study of effects of swift heavy ion Irradiation on structural, optical and photocatalytic properties of Graphene-ZnO nanocomposites</p>
56	<p>Dr Anagha Chakraborty Assistant Professor Department of Physics, Siksha Bhavana, Visva-Bharati, P.O.: Santiniketan, Dist.: Birbhum, West Bengal - 731235</p>	<p>Revisiting High Spin Level Structure of Nuclei around $A \sim 150$ region : Issues of Octupole Oscillations and Deformations</p>
57	<p>Prof. P. D. Sahare Professor of Physics, Department of Physics & Astrophysics, University of Delhi, Delhi – 110 007</p>	<p>Comparative Study of Some New Highly Sensitive Micro- and Nanocrystalline TLD/OSL Phosphors using SHI</p>
58	<p>Dr. Kamalendra Awasthi Inspire Faculty Department of Physics, Malaviya National Institute of Technology, JLN Road, Jaipur 302017 Rajasthan</p>	<p>Functionalization of nanochannels in track etched polymeric membranes for gas separation/sensing</p>
59	<p>Dr. Dambarudhar Mohanta Associate Professor Department of Physics, Tezpur University PO:Napaam, Assam-784028</p>	<p>Effect of ion irradiation on nanostructured transition metal dichalcogenide systems</p>

60	Dr. Nitin K. Puri Assistant Professor Room No. IW-TF-16, Department of Applied Physics, Delhi Technological University (DTU), formerly Delhi College of Engineering (DCE), Bawana Road, Delhi-110042	Photovoltaic and Multiferroic properties of multilayered BFO/BTO thin films using Swift heavy ion irradiation
61	Dr. Yogeshchandra Sharma Professor and Head, Vice principal Vivekananda Institute of Technology (East) Sector-31, NRI Road, Sisyawas, Jagatpura, Jaipur- 303012	Ion beam induced effects on thermoelectric properties of Sb ₂ Te ₃ multilayered thin films

LOW ENERGY ION BEAM FACILITY

S.No.	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
1	Dr. Savita Roy Associate Professor University of Delhi Kalindi College East Patel Nagar New Delhi-110 008.	Effect of low ion irradiation on nanostructured films of GaAs and their electrical transport properties.
2	Dr. Rajendra Singh Associate Professor Department of Physics Indian Institute of Technology Delhi Hauz Khas, New Delhi-110 016.	Hydrogen Implantation in Ge, GaSb and one inch diameter Si wafers
3	Ms. Bushra Irfan Research Scholar MS-305, Physics Department Indian Institute of Technology Delhi Hauz Khas, New Delhi-110 016.	Magnetic ion doping in topological insulators
4	Dr. D.B. Gadkari Reader, Principal Mithibai College, Mumbai University Vile Parle (West), Mumbai-400 056.	Fabrication of p-n junction diode by doping p-type impurity in n-type Indium antimonide nitride/Indium antimonide bismide
5	Dr. Debnarayan Jana Associate Professor Department of Physics University of Calcutta 92, A.P.C. Road, Kolkata-700 009.	A detailed understanding of modification of optical and electrical properties in Argon and Oxygen ion irradiated ZnO
6	Dr. Kumaraswamy G.N. Assistant Professor (Selection) Department of Physics Amrita School of Engineering Amrita Vishwa Vidyapeetham Kasavanahalli, Carmelram Post Bengaluru-560 035.	Effect of low energy ion irradiation on the transport and structural behavior of organic hole conductors

7	Dr. M. Rakesh Singh Assistant Professor Department of Applied Physics Indian School of Mines Dhanbad, Jharkhand- 826 004. moirangthemrakesh@gmail.com Tel: 0326-2235116 (Off) Mob: +91-8877168602	Controlled fabrication of gold nanoparticles on flexible substrate by using low energy Ar ion irradiation and its biosensing applications
8	Dr. C. P. Safvan Scientist – F Inter-University Accelerator Centre Aruna Asaf Ali Marg New Delhi-110 067.	Angular Anisotropies in ion molecules collisions
9	Dr. Jyoti Rajput Assistant Professor Room No. 96 Department of Physics and Astrophysics University of Delhi, Delhi-110 006.	Study of Post Collision Interaction effects on intra-molecular bond formation in small hydrocarbons
10	Dr. D. Behera Associate Professor Department of Physics and Astronomy NIT, Rourkela-769 008.	Synergic Effect of Low Energy and High Energy Ions on Critical Current Density in Nanocomposites of HTSC
11	Prof. Shikha Varma Professor AFM/XPS Laboratory Institute of Physics Near Sainik School Sachivalaya Marg Bhubaneswar-751 005.	Investigating magnetic properties in conjugation with channeling studies for Co doped TiO ₂ (110) single crystal
12	Prof. Shikha Varma Professor AFM/XPS Laboratory Institute of Physics Near Sainik School Sachivalaya Marg Bhubaneswar-751 005.	Channeling of atom beam modified ZnO nano patterns
13	Dr. Dambarudhar Mohanta Associate Professor Department of Physics Tezpur University PO: Napaam, Dist: Sonitpur Assam-784 028.	Low energy ion irradiation on hierarchial and nanotubes of titania
14	Ms. Pragya Bhatt RA Inter-University Accelerator Centre Aruna Asaf Ali Marg New Delhi-110 067.	Electron capture studies in slow highly charge ion collisions with the molecules
15	Mr. T. Sai Ram Research Scholar Inter-University Accelerator Centre Aruna Asaf Ali Marg New Delhi-110 067.	Dissociation dynamics of BF ₃ molecule

16	Mr. T. Sai Ram Research Scholar Inter-University Accelerator Centre Aruna Asaf Ali Marg New Delhi-110 067.	Investigating the Post- Collision effects in ion-atom collisions
17	Dr. Santanu Ghosh Associate Professor Room No. MS-540 Physics Department I.I.T. Delhi, Hauz Khas New Delhi-110 016.	Hydrogen ion induced transparent ferromagnetism in ZnO films
18	Ms. Kirti Agashe Head of Electronics Department V.P.M's Polytechnic Chendani Bandar Road, and Thane (West) Maharashtra-400 602.	Effect of γ -ray and Ar ion beam irradiation on the resistive switching of M-I-M (Metal-Insulator-Metal) structure
19	Mr. Shyam Mohan C/o Prof. S.S. Major Thin Film Lab, Room No.-103 Physics Department IIT Bombay, Powai Mumbai-400 076.	Epitaxial Gallium Nitride films and related alloys deposited by magnetron sputtering for optoelectronics applications
20	Mr. Omveer Singh Research Scholar Room No.-EB-08, Girnar Hostel Indian Institute of Technology Delhi New Delhi-110 016.	Hardness and Structural Investigations of Nitrogen Implanted Titanium Thin Films
21	Dr. (Mrs.) Amarjeet Kaur Associate Professor Department of Physics and Astrophysics, University of Delhi Delhi-110 007.	Mecahanism of Gas sensitivity in in low energy ion ion implanted grahene oxide/conducting polymers*
22	Dr. Anindya Sarkar Assistant Professor In Physics Bengabasi Morning College (Aff. Calcutta University) 19, Rajkumar Chakraborty Sarai Kolkata-700 009.	Search for Ferromagnetism in MeV ion irradiated ZnO, TiO ₂ and SnO ₂
23	Ms. Ranu Nayak Assistant Professor Amity Institute of Nanotechnology Amity University Sec-125, Noida-201 301, U.P.	Nanostructuring of Silicon surface for use as a template to fabricate superhydrophobic antireflection polymer materials
24	Prof. S. Annapoorni Professor Room No.103 Department of Physics and Astrophysics, University of Delhi Delhi-110 007.	Low ion irradiation induced change in magnetic anisotropy of Co/Al ₂ O ₃ and FeCoPt thin film

25	Dr. Udai Bhan Singh Research Associate Inter-University Accelerator Centre Aruna Asaf Ali Marg P.B. No.-10502 New Delhi-110 067.	Synthesis of noble metal nanostructures for Surface Enhanced Raman Scattering measurements
26	Dr. Rahul Singhal Assistant Professor Department of Physics MNIT Jaipur, JLN Marg Malaviya Nagar-302 017.	Ion irradiation studies of NiTi shape memory alloys thin films
27	Dr. J.P. Singh Associate Professor MS-404 Main Building Department of physics Indian Institute of Technology Delhi, New Delhi-110 016.	Realization of p-n Junctions in Silicon Nanorods by Ion Implantation
28	Mr. Suresh Kumar Jangir Technical Officer A Solid State Physics Laboratory Timarpur, Delhi-110 054.	To Investigate the bending and alignment of InAs Nanowires by ion irradiation
29	Ms. Manju Bala Research Scholar (JRF) Inter-University Accelerator Centre Aruna Asaf Ali Marg Near Vasant Kunj New Delhi-110 067.	Synthesis and Characterization of thermoelectric materials by ion beam mixing
30	Dr. V. Vasu Associate Professor School of Physics Madurai Kamaraj University Madurai-21, Tamilnadu.	Hydrogen storage in Carbon nanotubes doped with Titanium metal
31	Ms. Sonu Devi Senior Research Fellow Inter-University Accelerator Centre Aruna Asaf Ali Marg Post Box No.: 10502 New Delhi-110 067.	Ion beam induced damage evolution in Germanium
32	Dr. Anjum Qureshi Research Faculty Sabanci University Nanotechnology Research & Application Center, Ortha Mahallesi Tuzla, 34956, Istanbul Turkey-34956.	Tuning the electronic properties of few layers of graphene nanosheets by low energy ion implantation
33	Dr. S.V.S. Nageswara Rao Associate Professor School of Physics University of Hyderabad Hyderabad-500 046.	Optimization of Coherent Acoustic Phonon (CAP) spectroscopy for characterizing buried defects in Semiconductors

34	Dr.Ing: V.V.S.S. Srikanth Assistant Professor School of Engineering Sciences & Technology (SEST) University of Hyderabad (UOH) Hyderabad-500 046.	Investigation of ion beam effects on diamond films to produce optimal materials for plasma environment in fusion reactions
35	Dr. C. Sekar Professor and Head Department of Bioelectronics and Biosensors, Alagappa University Karaikudi, Tamil Nadu-630 003.	Effect of Low Energy Ion Beam Irradiation on the electrochemical sensing characteristics of WO ₃ and SnO ₂ nanostructures
36	Dr. Manish Kumar Assistant Professor Department of Physics Central University of Rajasthan NH-8, Kishangarh-305 801.	Patterning by Cross Incidence Low energy ion irradiation on Ag metal Films
37	Mr. Tapobrata Som Associate Professor SUNAG Laboratory Institute of Physics Sachivalaya Marg Bhubaneswar, Odisha-751 005.	Investigation of Nanoscale self-organized pattern formation on SiO ₂ under medium energy ion bombardment
38	Dr. M. Chitra Assistant Professor Crystal Growth Centre Anna University Chennai-600 025.	Structural and Optical Properties of ion implanted GaN, InGaN and sapphire substrates
39	Mr. Anand Kumar Assistant Professor Department of Physics University College Kurukshetra University Kurukshetra-136 119.	Emergence of dilute magnetism in C/N/Cr/Mn doped TiO ₂
40	Ms. Compesh Pannu Senior Research Fellow Inter-University Accelerator Centre Aruna Asaf Ali Marg New Delhi-110 067.	Ion beam induced phase formation and its modification in Au/Fe immiscible system
41	Dr. S. Sreehari Sastry Professor Department of Physics Acharya Nagarjuna University Andhra Pradesh.	Investigation on Effects of Ion Implantation on Flux Pinning and Trapped Field in MgB ₂ Superconductor
42	Dr. Sunita Sharma Assistant Professor Department of Applied Science ITM University Sec-23-A, Gurgaon-122 017.	Quantum dot sensitized solar cells with improved efficiencies
43	Mr. Udai Pratap Singh Professor School of Electronics Engineering Campus-3, KIIT University, Patia Bhubaneswar-751 024.	Interface modification and reliability of radiation hardness of Si and GaAs devices by low energy hydrogen ion implantation

44	Dr. Alope Kanjilal Associate Professor Department of Physics School of Natural Sciences Shiv Nadar University Dadri, Gautam Budh Nagar Pin Code-201 314.	Impact of ion-beam-induced defects on TiO ₂ -based resistive switching devices
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