

AUC 76

Details of approval like Runs/Shifts/Samples/UFR Funds/BTA etc. will be communicated by post.

Sr No	AUC ID	PI	Title	UFR Status
1	76101	Prof. Hema Achyuthan, Centre for Environmental Studies, Anna University, Chennai.	Late Quaternary-Holocene paleolimnology of lakes in Kashmir Valley and Tamil Nadu	
2	76102	Prof. Prabash Sahu, RTM University, Nagpur, Maharashtra.	14C of Pachkhed Archaeological Site, Nagpur, Maharashtra	
3	76105	Dr. Gunjan Kumar Srivastava, Archaeological Survey of India, Pt. DDU Institute of Archaeology, Greater Noida.	Scientific investigation of excavated materials in excavation of Kaserua Khera, Village Manpur, Dist. Palwal, Haryana	
4	76107	Prof. Anil Kumar Gupta, IIT Kharagpur, W.B.	Tracing Possible Climate Induced Methane Emissions from Hydrate Bearing Sediments off the Continental Margin of Chile: Benthic Foraminifera Proxies	
5	76109	Prof. Vasant S. Shinde, CSIR CCMB, Hyderabad, Telanagana.	Advancing Archaeological Chronology of the Harappan site of Rakhigarhi	
6	76110	Prof. Anil Kumar Gupta, IIT Kharagpur, West Bengal.	Paleoclimatic evolution of the Indian subcontinent as recorded in continental archives during the Holocene	
7	76111	Dr. Prasanna K, Birbal Sahni Institute of Palaeosciences, Lucknow.	Geochemistry and Stable Isotope ($\delta^{13}C$ & $\delta^{18}O$) signatures of calcic palaeosols of the Ganga Plains-- implications on paleoclimate, and paleovegetation	
8	76112	Dr. Ujjal Das, UGC-DAE CSR, Kolkata Center, West Bengal.	Exploring radio sensitizing potential of a natural phenolic compound in human lung carcinoma : highlighting macromolecular oxidation and DNA	
9	76113	Prof. S. Sreekesh, JNU, New Delhi.	Determining the ages of Geoglyph Environments	
10	76114	Dr. Dibishada Brajasundar Garnayak, Archaeological Survey of India, MOC, Bhubaneswar.	14C of Barabati Fort, Cuttack, Odisha	
11	76115	Dr. Dibishada Brajasundar Garnayak, Archaeological Survey of India, MOC, Bhubaneswar.	10 Beryllium	

12	76116	Dr. Rajeeb Lochan Mishra, Wadia Institute of Himalayan Geology, Dehradun.	Quaternary landform evolution, tectonics and structural analyses across four different transects of the Indian Himalaya, extending from the Beas to Ganga Rivers	
13	76118	Dr. Shubha Majumder, Archaeological Survey of India, Mumbai.	14C Bharatpur Archaeological Site, Bardhaman, West Bengal	
14	76119	Dr. Barnita Banerjee, CSIR-National Geophysical Research Institute, Hyderabad.	Deciphering paleo-cyclones during Holocene from Lacustrine deposits of east, west, and southern Indian region: probing beyond instrumental record.	
15	76120	Prof. Anchal Srivastava, University of Lucknow, Lucknow.	Irradiation of Tin based compound using Swift heavy ions for enhanced thermoelectric properties	
16	76121	Mr. Yogesh Kumar, BARC, Mumbai.	Irradiation of Nd doped zircon	
17	76122	Dr. Sansar Chand, Govt. College Shillai, Dist. Sirmour, HP.	Dosimetric investigation of some energy independent calcium based phosphate materials using ion beams for TLD applications	
18	76126	Dr. Yogendra Kumar, Galgotias University, Greater Noida, Uttar Pradesh.	Response of stoichiometric composition of high entropy oxide to radiation resistance for hostile environment applications	
19	76129	Dr. Prakasam M, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand.	Late Quaternary climate and vegetational changes from the Spiti, NW Himalaya	
20	76131	Dr. Shashi Shekher Tiwary, Manipal University Jaipur, Rajasthan.	Spectroscopic Investigation of ^{131}La and ^{131}Ce in mass $A \sim 130$ region	
21	76132	Dr. Anirban Pal, Banaras Hindu University, Varanasi.	Investigation of the effect of irradiation on nano-crystalline phases of Topological materials	
22	76201	Mr. Nenshol Jayant Anand C/o. Dr. Vaibhav Singhal, Indian Institute of Technology Patna.	Scientific and Chronological Investigation of Ancient Construction Practices from UNESCO World Heritage Sites of Nalanda Mahavihara	
23	76202	Ms. Muskan C/o. Dr. Ashish Kumar, Central University of Jammu, Jammu, J&K.	Fabrication of metal semiconductor contacts in Wide band gap semiconductors and effect of ion irradiation on its properties	
24	76203	Mr. Koustav Bhandary C/o. Dr. Buddhadev Mukherjee, Siksha Bhavana, Visva-Bharati, Santiniketan, WB.	Lifetime measurement of high spin isomeric states in ^{205}Bi , ^{205}Tl , ^{207}At	
25	76206	Ms. Aiswarya Baiju C/o. Dr. Anjali Gopakumar, Vellore Institute of Technology, Chennai Campus.	Temporal dynamics of Carbon sequestration, climate change and heavy metal contamination in the mangroves sediments along east coast of Tamil Nadu.	

26	76207	Ms. Shweta Singh C/o. Dr. Ajay Kumar Tyagi, Banaras Hindu University, Varanasi.	To study the impact of different entrance channel combinations and the effect of N/Z ratio on neutron multiplicities	
27	76208	Ms. Sriya Paul C/o. Dr. Ajay Kumar Tyagi, Banaras Hindu University, Varanasi.	Estimation of the fission time scales from particle multiplicities.	
28	76209	Mr. Waseem ahmad Baba C/o. Prof. Jitendra Kumar Pattanaik, Central University of Punjab, Bathinda.	Estimation of timing and extent of Last Glacial Maxima using CRN exposure dating, Schirmacher Oasis, East Antarctica	
29	76210	Mr. Nived K C/o. Prof. M. M. Musthafa, University of Calicut, Kerala.	Analysis of radiative capture reactions in the medium mass region having astrophysical interest	
30	76211	Mr. Basant C/o. Prof. Bivash Ranjan Behera, Panjab University, Chandigarh.	Study of mass gated neutron multiplicity measurements in the pre actinide region with the NAND facility	
31	76213	Mr. Ishtiaq Ahmed C/o. Dr. Pritam Chand, Central University of Punjab, Bathinda.	Reconstruction of glacier fluctuation since Little Ice Age (LIA) in the upper Chenab basin of north-western Himalaya using multi-method integrated approach	
32	76214	Mr. Anshul Kumar C/o. Prof. H. P. Sharma, Institute of Science, BHU Varanasi.	Study of band structure nuclei from A~80 mass region	
33	76215	Mr. Mandeep Chahal C/o. Dr. Fouran Singh, Inter University Accelerator Centre, New Delhi.	Development of 2D transition metal dichalcogenides based heterostructures and Nanohybrids and their modification using Swift heavy ion irradiation for opto-	
34	76218	Ms. Neha Bharti C/o. Prof. Rohit Mehra, Dr. B R Ambedkar National Institute of Technology(NIT) Jalandhar.	Applicability of Magnesium based phosphate materials for TL dosimetry.	
35	76220	Mr. Vaishnav Bartaria C/o. Dr. Ranjit Kumar, Dayalbagh Educational Institute, Dayalbagh, Agra.	Black Carbon: Concentration, Source Interpretation, Deposition, Control, and develop prediction models and policy implication through Machine Learning	
36	76222	Mr. Anubhav Singh C/o. Dr. Yama Dixit, Centre for Atmospheric Sciences, Indian Institute of Technology (IIT) Delhi, New Delhi.	Hydroclimatic variability over the Northwest Himalayan region during the Holocene period: Insights from lake sediments and modern water vapor	
37	76224	Mr. Eshan Harit C/o. Prof. Sukanya Sharma, Indian Institute of Technology(IIT), Guwahati, Assam.	Radiocarbon dating of archaeological materials from Kahalgaon-Sahebganj region	
38	76226	Mr. Keshav Kapoor C/o. Prof. Manoj Kumar Sharma, University of Lucknow, Lucknow.	A Study of Entrance Channel Effects in Heavy Ion Fission Dynamics	
39	76227	Mr. Mohd Usman C/o. Dr. Zafrul Hasan, Z. H. College of Engineering & Technology, Aligarh Muslim University.	PROBING DYNAMICS OF BREAK-UP FUSION PROCESS IN HEAVY NUCLEI	

40	76229	Mr. Mohammad Anser C/o. Prof. H. P. Sharma, Banaras Hindu University(BHU), Varanasi, (U.P)	Investigation of Band Structures in Transitional Nuclei from A~130 mass region	
41	76230	Mr. Utkarsha Mishra C/o. Dr. Ajay Kumar Tyagi, Banaras Hindu University, Varanasi, U.P.	Study the impact of odd-even nuclei in heavy ion-induced fusion reactions via neutron and charge particle evaporation spectra	
42	76304	Dr. Ashish Kumar, Central University of Jammu, Rahya Suchani (Bagla), Samba, Jammu (J&K).	Ion beam Induced defect engineering for thermoelectric applications.	UFR Approved
43	76309	Dr. Fayaz Ahmad Najar, Government Degree College Sumbal, University of Kashmir, GDC Sumbal, Bandipora J&K.	Effect of SHI radiation on properties of some rare earth incorporated alkali sulfate crystals for optoelectronic application	UFR Approved
44	76311	Dr. Monoj Kumar Singha, University of Allahabad, Prayagraj.	Defects Enabled Nanostructured ZnO Thin Films by SHI for Photocatalysis Applications to Remove Harmful Dyes from Effluent under Natural Sunlight	UFR Not Approved
45	76313	Dr. Shubhra Kala, HNB Garhwal University.	Effect of swift ion Irradiation on Pure and Doped NiO Thin Films: Correlation between Structural Changes and Electrochemical Properties	UFR Not Approved
46	76315	Dr. Mousumi Bhuyan, Rangia College, Kamrup(R), Assam.	Study of Neutron Multiplicity for the reactions $^{35}\text{Cl} + ^{209}\text{Bi}$ and $^{31}\text{P} + ^{232}\text{Th}$ populating compound nucleus ^{244}Fm and ^{263}Db	UFR Not Approved
47	76317	Dr. Rahul Singhal, MNIT Jaipur, JLN Marg, Malviya Nagar, Jaipur, Rajasthan.	Carbon based sensor for the electrochemical determination of doping steroids	UFR Approved
48	76320	Dr. Pawan Kumar, Chaudhary Bansi Lal University, Bhiwani.	Constructing the Style, Timing and Extent of the Quaternary Glaciation in the Jhanavi Ganga of the NW Garhwal Himalaya	UFR Approved
49	76321	Dr. Ramakanta Naik, Institute of Chemical Technology(ICT)-Indian Oil Odisha Campus(IOC), Bhubaneswar.	Tailoring the structural, optical, and morphology of swift heavy ion-induced mixed Sb (Ag)/Bi ₂ Se ₃ (Bi ₂ Te ₃) bi-layers at different ion fluences for optoelectronic	UFR Not Approved
50	76322	Prof. Anant Pandey, Sri Venkateswara College, University of Delhi, New Delhi.	Synthesis of new TL/OSL materials and their study of LET dependence for ion beam dosimetry.	UFR Not Approved
51	76324	Prof. Manoj Kumar Sharma, University of Lucknow, Lucknow.	Effect of various entrance channel parameters on low energy reaction dynamics	UFR Approved
52	76326	Dr. Raji P, Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu.	Enhanced Supercapacitor Performance through Swift Heavy Ion Irradiation of Reduced Graphene Oxide/Ni-Doped Co ₃ O ₄ Nanocomposites	UFR Not Approved
53	76327	Prof. B. P. Singh, Aligarh Muslim University(AMU), Aligarh.	Effect of Entrance Channel in Heavy Ion Collisions at Moderate Excitation Energies	UFR Approved

54	76328	Dr. Srinivasa Rao Nelamarri, Malaviya National Institute of Technology Jaipur, JLN Marg, Jaipur, Rajasthan.	Ion beam modification of ZnTiO ₃ thin films for memory applications	UFR Not Approved
55	76333	Dr. S. Gokul Raj, Pondicherry University, RV Nagar, Kalapet, Puducherry.	Investigations on the Growth and Multiferroic Properties of BiFeO ₃ - YMnO ₃ Films for Magnetoelectric applications	UFR Not Approved
56	76337	Dr. Hardev Singh, Kurukshetra University, Kurukshetra.	Measurement of mass gated pre- and post-scission neutron multiplicities in a heavy ion-induced fusion-fission reaction	UFR Approved
57	76340	Dr. Shyju T S, Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai.	Investigations on swift heavy ion irradiation on ZnSnN ₂ ternary nitride thin films for energy applications	UFR Not Approved
58	76507	Dr. Debdulal Kabiraj, Inter-University Accelerator Centre, New Delhi.	Controlled modification in oxide and nitride semiconducting materials under energetic ion interaction.	
59	76509	Prof. G. Vijaya Prakash, Indian Institute of Technology Delhi (IIT Delhi).	Variation in the optical properties of silicon nitride based multilayer photonic structures after Nitrogen ion implantation	
60	76510	Prof. Umesh Kadhane, IIST, Valiamala, Thiruvananthapuram, Kerala.	Swift proton induced dissociation dynamics of Aniline and its isomers: Radiation processing of organics in space	
61	76513	Mr. Warren Rosario, School of Engineering, UPES, Dehradun, Uttarakhand.	Reduction of graphene oxide by ion irradiation for application in sensing	
62	76520	Prof. Anchal Srivastava, University of Lucknow, Lucknow.	Study of the effect of ion implantation in ZnO nanostructures for solar cell application	
63	76217 & 76525	Mr. Niladri Mohan Das C/o. Prof. D. K. Awasthi, UPES, Bidholi, Premnagar, Dehradun.	Synthesis and engineering of nanocomposites by energetic ions for possible SERS based sensing application	
64	76225 & 76528	Mr. Aditya Kushwaha C/o. Dr. Neeraj Goel, Netaji Subhas University of Technology, New Delhi.	Mixed Dimensional based High Performance Photo and Gas Sensors	
65	76228 & 76527	Mr. Umapathy Ganjigatte C/o. Prof. Santanu Ghosh, IIT Delhi.	Ion Irradiation and Doping effect in Silicon Carbide	
66	76303 & 76501	Prof. Sk Manirul Islam, University of Kalyani, Nadia, West Bengal.	Swift Heavy ions induced modification of the porous materials based heterogeneous catalysts and study of their applications for photocatalytic CO ₂	UFR Not Approved
67	76307 & 76504	Dr. Gagan Dixit, G.B.Pant University of Ag. & Technology Pantnagar.	Low energy ions (C,N,S) implantation in Spinel Ferrite to enhance their efficiency as electrode for supercapacitors	UFR Approved

68	76314 & 76508	Dr. Aman Mahajan, Guru Nanak Dev University, Amritsar.	Carbon (C/ C2) Implanted Few Layered MXenes based multifunctional electrodes for hydrogen generation and Supercapacitor Applications	UFR Not Approved
69	76316 & 76506	Dr. Neelabh Srivastava, Mahatma Gandhi Central University, Motihari (Bihar).	Study of ion implantation in tuning and controlling the exchange bias in single-layer films of antiferromagnetic materials towards spintronics	UFR Approved
70	76319 & 76511	Prof. Shyama Rath, University of Delhi, Delhi.	Control of the optically and spin active VSi, and NC-VSi defects in 4H-SiC for quantum metrologies	UFR Approved
71	76323 & 76514	Dr. Karra Vinod Kumar, Central University of Tamil Nadu, Thiruvavur, Tamil Nadu.	Enhancement of ferroelectricity in HfO ₂ based thin films by Ion irradiation for the application of HfO ₂ ferroelectric films based Non-volatile memory devices	UFR Approved
72	76330 & 76517	Dr. Rohit Ranjan Shahi, Central University of South Bihar Gaya.	Effect of ion irradiation on Electrochemical Properties of High Entropy Materials	UFR Approved
73	76331 & 76524	Dr. Om Prakash, School of Engineering and Technology, Hemvati Nandan Bahuguna Garhwal University (A Central University), Uttarakhand.	Ion Beam Engineering of MXenes Hybrid Incorporated TiO ₂ Photoanode for Dye Sensitized Solar Cells	UFR Not Approved
74	76334 & 76523	Dr. Pratap, University of Hyderabad, Gachibowli, Hyderabad.	Doping and Defect structural evolution analysis under low and high-energy irradiation	UFR Approved
75	76335 & 76522	Dr. Govind Dayal Singh, University of Delhi, Delhi.	Graphene Monolayer on Nanopatterned Silicon for Molecular Detection	UFR Approved
76	76343 & 76529	Dr. Satyendra Prakash Pal, Banaras Hindu University (BHU), Varanasi, U.P.	Low energy ion beam irradiated 2D materials for resistive switching device applications	UFR Not Approved
77	76345 & 76530	Dr. Mahamad Ahamad Mohiddon, SRM University Delhi-NCR, Sonapat.	Harnessing Ion Implantation: Mn and Fe doping Strategies for Tailoring Electrical, Magnetic and Electrocaloric features in Bismuth Sodium Titanate	UFR Not Approved