

AUC 79

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

S No	AUC ID	PI Name	Title	Status
1	79120	Dr. Jagdish Gehlot	Investigating the Influence of PQNT channels on fusion in $^{35, 37}\text{Cl} + ^{70}\text{Zn}$ reactions.	Approved
2	79222	Mr. Nihal Kumawat, C/O Dr. Ashok Kumar Mondal	Study of the astrophysical $^{12}\text{C} (p, \gamma)^{13}\text{N}$ and $^{13}\text{C} (p, \gamma)^{14}\text{N}$ reactions using indirect Asymptotic Normalization Coefficient (ANC) method.	Approved
3	79312	Prof. Ajay Kumar Tyagi	Study of heavy ion fusion reaction dynamics around mass region $A > 100$.	Approved without UFR Funds
4	79118	Dr. Rishabh Kumar	Investigation into influence of neutron transfer channels in fusion dynamics of medium mass nuclei around the Coulomb barrier.	Approved
5	79128	Indu Bala	Direct measurement of $B(E3)$ via coulomb excitation in ^{152}Gd .	Approved
6	79243	Mr. Guru Kishore, C/O Dr. Shashi Shekher Tiwary	Spectroscopic Investigation to Probe the Structural Behavior of Nuclei Near Shell Closure.	Approved
7	79245	Mr. Sandeep Kumawat, C/O Dr. Shashi Shekher Tiwary	Search for the exotic and non-exotic excitations in transitional nuclei.	Approved
8	79221	Ms. Yukta Sharma, C/O Prof. B R Behera	Mass gated neutron multiplicity measurements along the Hg region with the NAND facility.	Approved
9	79320	Prof. Shashi Verma	Study of fusion and transfer reactions in $^7\text{Be} + ^9\text{Be}$ system.	Approved without UFR Funds
10	79502	Prof. Jyoti Rajput	Exploring the stability and decay of butadiene cation and dications.	Approved
11	79112	Dr Shashi Kumar	Effect of high LET radiation on Microalgae physiology, genetic and metabolic profile.	Approved
12	79127	Dr. Sneha Lata Singla-Pareek	Heavy ion irradiation mediated mutagenesis in <i>Oryza sativa</i> (rice) and <i>Solanum lycopersicum</i> (tomato).	Approved

13	79313	Pallavi Srivastava	In vitro effect of Nanoparticles with piperine in radiation-resistant cancer cells to develop effective radiosensitizer.	Approved without UFR Funds
14	79102	Gopal Krishan	Groundwater dating of deep aquifers in Punjab.	Approved
15	79103	KISHOR K BASA	AMS dating of Archaeological site Bang-Harirajpur, District Puri, Coastal Odisha.	Approved
16	79113	Harsh Raj	Radiocarbon dating of marine shells from archaeological contexts in the Saurashtra region for paleoclimate reconstruction.	Approved
17	79211	Mr. Avanish Mishra, C/O Dr. Trina Bose	Assessing Palaeoclimate Reconstruction potentials of Cellulose Isotopic composition in Broadleaf trees of the Central Indian Core Monsoon Zone.	Approved
18	79215	Mr. Vimal, C/O Dr. Som Nath	Unravelling the impact of past climate change and anthropogenic activity on Gharana wetland ecosystem of Jammu district, J&K, India.	Approved
19	79237	Mr. Junaid Pradhan, C/O Prof. Parag Phukon	Landscape development in northern front of Shillong Plateau, NE India: A geomorphic and geochemical understanding.	Approved
20	79105	Pratima M Kessarkar	Past changes in the depositional environment at Mid Ocean Ridge: Carlsberg Ridge.	Approved
21	79121	Milap Chand Sharma	The Kangra Valley Erratics: Constraining the Antiquity of Largest Glacial Episode in the NW Himalaya.	Approved
22	79205	Ms. Mavia Naushad, C/O Prof. Sudesh Yadav	Microplastic distribution and its impact on metal availability in soils of Aligarh region.	Approved
23	79210	Mr. Irfan Ahmad Wani, C/O Dr. Praveen K Mishra	Proxy calibration and climate reconstruction using lake sediments from NW Himalaya.	Approved
24	79238	Mr. Abhishek Pradhan, C/O Dr. Rajeev Saraswat	Quantification of dissolved oxygen in the Arabian Sea during different boundary conditions by using benthic foraminiferal characteristics.	Approved
25	79246	Ms. Mugdha Ambekar, C/O Dr. Rajani Panchang	Understanding palaeo aragonite compensation depth through a multiproxy approach.	Approved
26	79116	Sonali	Simultaneous Determination of Radiocarbon (^{14}C) in Dissolved Inorganic and Organic Carbon Fractions of Environmental Water Samples.	Approved

27	79124	Rudra Mohan Pradhan	Comparative Assessment of Denudation Rates and Morphological Evolution in Two Major Eastward- and Westward-Flowing Rivers of the Southern Granulite	Approved
28	79126	Sandeep Panda	Unrevealing the dynamics of Kosi megafan: A comprehensive study of sedimentology, geomorphology, and chronology.	Approved
29	79132	Shubha Majumder	AMS dating of Harappan Archaeological Site Lothal, District: Ahmedabad, Gujarat.	Approved
30	79225	Ms. Samikcha Rai, C/O Dr. Manasi Debnath	Late Quaternary Glacial and climatic history reconstruction of Chhombu Chhu, Dombang and Yumesamdong valleys, North Sikkim, Eastern Himalaya.	Approved
31	79212	YOGANANDAN VEERAN	Millennial-Scale Variability of Oxygen Minimum Zone-Denitrification Dynamics in the Southeastern Arabian Sea since the Late Glacial Period.	Approved
32	79223	Tanya	Fluvial Dynamics and Geomorphic Evolution of the Ganga River during the Late Pleistocene at its Mountain Exit.	Approved
33	79226	SONAM CHHOMO	Constraining Glacial Extent and Timing in Gemur Watershed, Bhaga Basin, Lahul Himalayas.	Approved
34	79109	Dr. Priyanka Singh Rao	Slip rates of the north-east Himalayan Front Thrust using cosmic ray exposure dating.	Approved
35	79202	Dr. Reji Srinivas	Geochemical Perspectives on Late Quaternary Paleoenvironment: Monsoon Variability, Sediment Provenance, and Marine Productivity from Southwestern	Approved
36	79203	Dr. Sushant S. Naik	Intermediate water ventilation and fluctuations in the intensity of the Arabian Sea OMZ.	Approved
37	79214	Abhra Abir Chowdhury	Holocene Diatom assemblages in three short sediment cores of the Indian Sundarbans and their palaeo-ecological implications.	Approved
38	79217	Dr. Alpa Sridhar	Late Quaternary palaeohydrology and fluvial dynamics of the Orsang River Basin, Western India.	Approved
39	79227	Dr. Shilpa Pandey	Mangroves development and dynamics in the Sundarbans, east coast of India since mid-Holocene: Unravelling short term impacts and long-term drivers.	Approved
40	79314	Dr. Sajid Ali	Source-to-Sink Reconstruction of Indian Summer Monsoon Variability over the Past 60 ka: Insights from ¹⁰ Be Isotopes, Geochemical and Clay Mineral Proxies.	Approved with UFR Funds

41	79327	Rabindra Nath Bhowmik	Investigation of magnetic and magneto-electronic properties by modifying interfacial structure of ferroelectric substrate and magnetic layer using Ion	Approved without UFR Funds
42	79510	Rabindra Nath Bhowmik	Investigation of magnetic and magneto-electronic properties by modifying interfacial structure of ferroelectric substrate and magnetic layer using Ion	Approved
43	79328	Sandeep Kumar	Ion-beam engineered 2D TMDs for neuromorphic and quantum electronic applications.	Approved without UFR Funds
44	79509	Santosh Kumar Sahu	Irradiation behavior of compositionally disordered rare earth-based oxides (ABO ₃ and A ₃ B ₅ O ₁₂) for nuclear waste management.	Approved
45	79106	V. Raghavendra Reddy	Study of tunable dielectric properties of lead-free ferroelectric thin films under swift heavy ion irradiation.	Approved
46	79311	Shubra singh	Swift Heavy Ion-irradiation tailored photoactivity of aerosol coated Cu ₂ O/TiO ₂ heterostructure electrodes for tertiary waste water treatment	Approved without UFR Funds
47	79123	DEEKSHA KHANDELWAL	Swift Heavy Ion-Irradiation Induced Modulation of Magnetization Dynamics in Fe ₃ ,Sn ₂ /Pt Thin Films for Spintronic Applications.	Approved
48	79530	Mr. Gaurav Kumar C/o. Prof. Pawan K. Kulriya	Investigation of the Irradiation-Induced structural Disorder in High-entropy Pyrochlore Ceramics.	Approved
49	79323	Jitumani Kalita	Study on the effect of ion implantation on photochromic feature of Eu(WO ₃) ₂ (OH) ₃ and Y(WO ₃) ₂ (OH) ₃ phosphors for application in radiation	Approved without UFR Funds
50	79331	LAXMI DHANARAJU VARMA SANGANI	Enhancing the Reliability of 2D Material-Based Field-Effect Transistors for Space Electronics through Ion Irradiation Studies.	Approved without UFR Funds
51	79220	Ms. Charul Uniyal C/O Prof. Manoj Yadav	Defect Engineering in Functional Oxides Induced by Ion Beams for Improved Gas Sensing.	Approved
52	79505	Ms. Charul Uniyal C/O Prof. Manoj Yadav	Defect Engineering in Functional Oxides Induced by Ion Beams for Improved Gas Sensing.	Approved
53	79518	Anupama Yadav	Tuning Structural, Optical, and Ionic Transport Properties of Chalcogenide Glasses via Metal Ion Implantation.	Approved
54	79520	Ahin Roy	Ion-implantation in different phases of WO ₃ for catalytic applications.	Approved

55	79236	Ms. Madhuri Surya C/O Prof. Amit Kumar Chawla	Improved Hydrogen Sensing in Ion-Irradiated Pd-Based Thin Film Samples.	Approved
56	79529	Ms. Madhuri Surya C/O Prof. Amit Kumar Chawla	Improved Hydrogen Sensing in Ion-Irradiated Pd-Based Thin Film Samples.	Approved
57	79111	Dr. Bhanu Pratap Dhamaniya	High Energy Light Ion Irradiation and Its effect on Multijunction solar cell Performance.	Approved
58	79207	Mr. Chandan Mahapatra C/O Prof. Anil Kumar Singh	Understanding the Role of Ion Irradiation on Spin Frustrated Multiferroics.	Approved
59	79235	Mr. Divagar S C/O Prof. R. Thangavel	Growth, Characterisation, Ion Implantation and Irradiation on Gallium Oxide Single Crystal Wafers for Optoelectronic Application.	Approved
60	79523	Mr. Divagar S C/O Prof. R. Thangavel	Growth, Characterisation, Ion Implantation and Irradiation on Gallium Oxide Single Crystal Wafers for Optoelectronic Application.	Approved
61	79242	Ms. Payalkumari Mathurbhai Savaliya C/O Prof. Ashish R. Tanna	Investigation on magnetoelectric and magnetodielectric properties of multiferroic composites.	Approved
62	79303	Dr Arti Hadap	Irradiation-Tuned Perovskite and Transition Metal Oxides: Green Synthesis Approach for Supercapacitor and Photocatalyst Development.	Approved without UFR Funds
63	79513	Mr. Ateed Ahmad C/O Prof. K. C. James Raju	Laser Treatment of Ion Irradiation Induced Defects in BST Films and Efficiency Comparison with Thermal Treatment.	Approved
64	79310	Dr. D. PREM ANAND	Tailoring the properties of 200MeV Ag ¹⁵⁺ swift heavy ion irradiation on silicon oxycarbide antimony nanocomposites for high performance Li-	Approved without UFR Funds
65	79512	Dr. Jitendra Singh	Understanding the physical metallurgy and radiation stability of Cu-Cr-Co-Fe-Ni high entropy alloy under energetic ion irradiation.	Approved
66	79119	Dr. Vinita Grover Gupta	Understanding radiation response of oxide ceramic composites for nuclear relevance under swift heavy ions.	Approved
67	79519	Ms. Sompriti Bora C/O Dr. Satya Prakash Pati	Development of Proton Based Neuromorphic Solid State Devices for Bio Monitoring.	Approved
68	79318	Dr. Satya Prakash Pati	Ion Beam-Engineered Protonic Oxide Memristors for Low-Power Neuromorphic Computing and Biometric Signal Processing.	Approved with UFR Funds

69	79511	Dr. Satya Prakash Pati	Ion Beam-Engineered Protonic Oxide Memristors for Low-Power Neuromorphic Computing and Biometric Signal Processing.	Approved
70	79224	Mohammedbhai Khimani	Modification of electrical, optical, and thermal properties of non-linear optical material crystals by crystals by developing composite materials.	Approved