

Details of On-going Research Project during 2024-25

University PFMS ID - 'DHGUS'

S.No.	Name of Scheme/Title	PI Name & Deptt
1	UGC MOOC Programme -Development of Non-Technology PG Degree Online Course for SWAYAM Plateform	Prof. H. Thomas- Applied Geology
2	PURSE Phase-II	Science Departments
3	SERB Research Project on "Energy Effieient Lamimescent / Catalytic Nanomaterials via Ionic Liquids"	Dr. Pushpal Ghosh Chemistry
4	ICSSR Research Project on Kathasarisagar mein katanak, abhiprayavam prateek : Ek samalochanalmak adhyan	Dr.Sanjay- Sanskrit
5	ICSSR IMPRESS Research Project - Revisiting the idea of Nationality, pride and partiotism in Indian Educational Policies and curricular practices in School Education	Dr.Sanjay- Adult Education
6	ICSSR Research Project Medica and Indentity politics : revisting the issues in the context national interest	Dr.Vivek Kumar Jaiswal- Comm. & Journl
7	ICSSR Research Project A study of Virtual space, pedagogic, Culture and Agency of Teachers : An Indian Narratives & Framework for Post Covid 2019	Dr. Saroj Shrma- Adult Education
8	ICSSR Research Project Nurturing resilience to cope with existential anxiety and stereotype threats amount high-risk population Psychotherapeutic Interventions during COVID 19 pandemic	Dr.Sanjay Kumar- Psy
9	AICTE Research Project on "Modernization and Removal of Obsolescence Rural (MODROB-Rural)	Prof. Umesh K. Patil, Pharm. Sciences
10	AICTE MODROB Res. Project-Modernization and Removal of Obsolescence Rural (MODROB -Rural) 2	Prof. S.K.Jain, Pharm. Sciences
11	Indo French Project- Commercial pigment production by microalgae : towards the development biotech process	Dr.Vandana Vinayak, Criminology
12	CARS Project On Development of Psychological Assessment Tool for Scientist Recruitment - Title Development of Situational Judgment Test Items for the Assessment of Personalityb Attributes	Dr.Gaynesh Kumar Tiwari, Deptt. of Psychology
13	ICHR Research Project on Rock Art Investigation on Lower Orr River Valley	Prof. Nagesh Dubey, Deptt. of AIH

04/09/25
 सहा. कुल सचिव (अनु. एवं विकास)
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 Dr. Harisingh Gour University, Sagat

14	SERB Research Project titled "Multifunctional peptide conjugates (MPCs) assisted drug formulations: Promising therapeutics for multifarious medical application"	Dr. K.B. Joshi, Deptt. of Chemistry
15	BRNS Research Project "Exploration of soft chemistry to tune phosphors for energy applications"	Dr. Pushpal Ghosh, Chemistry
16	DBT Research Project "DBT BUILDER"	Prof. M.L. Khan, Botany
17	ICMR Research Project "Assessment of prebiotic oligosaccharides for inhibition of pathogenic adhesion to human gut epithelial cells"	Prof. Naveen Kango, Microbiology
18	DST-TEC Project "Sir Harisingh Gour Centre for Technology Development and Application"	Dr. K.B. Joshi, Chemistry
19	MPCST Res, project on "Spatio-temporal in-situ drug delivery system for the treatment of cervical cancer"	Prof. Vandana Soni, Pharm.Sciences
20	SERB Research Project on "Phylogenetic and Phylogeographic Inference in Molecular Systematics of Clitellates of some biodiversity hotspots of NER"	Prof. Shweta Yadav, Zoology
21	MPCST Res. Project "Zinc-Chalcogenides (ZnE=Sc,S, O) nanostructures produced via Green synthesis process for catalytic and antimicrobial applications"	Dr. Rekha Garg Solanki, Physics
22	DBT Research project "Biotechnological and Environmental perspectives of micro-plastics degradation in soil-ecosystem using meta-omics approaches"	Prof. Shweta Yadav, Zoology
23	SERB Research Project "Age, Origin, and Emplacement of the Eastern Himalayan Ophiolites, Northeast India: constraints from Platinum group elements geochemistry and isotopic signatures"	Prof. A. Krishnankanta Singh Applied Geology

04/09/25

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Ref. No.: CAR 28/2025-26/015

Email: car@hgvv.ac.in

Date:- 22/04/2025

Office Order

As per the directions of the Competent Authority, for smooth functioning and proper utilization of the sophisticated instruments of the Centre for Advanced Research (CAR), faculties based on their expertise from different Science departments, are engaged as Teacher Incharge with sophisticated instruments of CAR. The following Centre Coordinators and Teacher Incharges are hereby assigned the responsibilities of the sophisticated instruments of CAR, which are as follows:

Name of Centre (Centre Coordinator)	Name of Sophisticated Instruments	Teacher Incharge
1. Centre for Advanced Mass Spectroscopy (Prof. Ratnesh Das, Chemistry)	1. GC-TOF-MS (Gas Chromatograph-Time of Flight-Mass Spectrometer)	Dr. Kalptaru Das (Chemistry) Dr. Deepanshi Jaiswal (Botany)
	2. HPLC-MS (High Performance Liquid Chromatography Mass Spectrometer)	Dr. Ayushi Jain (Pharmacy)
	3. BET-SA-Analyser (Brunauer-Emmett-Teller Surface Area Analyser)	NA
	4. Rheometer	Prof. Ratnesh Das (Chemistry)
	5. ECWS (Electro Chemical Work Station)	Dr. Niraj Upadhyay (Chemistry)
2. Centre for Atomic Mineral Analysis (Dr. V. P. Malviya, Geology)	6. ICP-MS (Inductively Coupled Plasma-Mass Spectrometer)	Dr. Aditi Sharma (Geology)
	7. Polarizing Microscope (Leica)	Dr. Aditi Sharma (Geology)
3. Centre for Advanced Electron Microscopy & Imaging (Prof. Shweta Yadav, Zoology)	8. SEM (Scanning Electron Microscope)	Dr. Arjun Adit (Botany)
	9. AFM (Atomic Force Microscope)	NA
	10. TEM (Transmission Electron Microscope)	Dr. Yogesh Bhargava (Microbiology)
	11. CLSM (Confocal Laser Scanning Microscope)	Dr. Priyoneel Basu (Zoology)
4. Centre for NMR Spectroscopy and X-Ray Diffractometry (Prof. Ranveer Kumar, Physics)	12. STA (Simultaneous Thermal Analyzer)	Dr. Shiva Kumar Singh (Physics)
	13. LRS (Laser Raman Spectrometer)	Dr. Ashish Kumar (Physics)
	14. POWDER XRD (Powder X-Ray Diffractometer)	Dr. Shiva Kumar Singh (Physics)
	15. Single Crystal XRD (Single Crystal X-Ray Diffractometer)	Dr. Shiva Kumar Singh (Physics)
	16. Spectroscopic Ellipsometer	Dr. Prashant Shukla (Physics)
	17. NMR (Nuclear Magnetic Resonance Spectrometer)	Dr. K. K. Dey (Physics)
		Dr. Adarsh Sahu (Pharmacy)

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22/4/25



संस्कृत अनुसंधान केंद्र
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Name of Centre (Centre Coordinator)	Name of Sophisticated Instruments	Teacher Incharge
5. Centre for DNA Sequencing and Cytometry (Dr. C. P. Upadhyay, Biotechnology)	18. DNA Sequencer (Deoxyribonucleic Acid Sequencer)	Dr. Aarti Gupta (Botany)
	19. CSFC (Cell Sorter Flow Cytometer)	Dr. Brajesh Kumar Maurya (Zoology)
6. Centre for Nano-particle characterization (Prof. Vandana Soni, Pharmacy)	20. PCS Based Partical Size Analyzer	Dr. Tukaram Ram Karanwad (Pharmacy)
	21. NSD (Nano Spray Dryer)	Dr. Dharamendra Jain (Pharmacy)
	22. Centrifuge (Hermle)	Dr. Vaishali Yadav (Botany)
7. Centre for Advanced Chromatography (Prof. Devasish Bose, Criminology)	23. HP-TLC (High Performance Thin-Layer Chromatography)	Dr. Abhilasha Durgawansi (Chemistry)
	24. FTIR (Fourier Transform Infrared Spectrophotometer)	Dr. Adarsh Sahu (Pharmacy)
	25. UPLC	Dr. Soni Chowrasia (Botany)
8. Centre for DNA Amplification and Proteomics (Prof. Naveen Kango, Microbiology)	26. RT-PCR (Real Time Polymerase Chain Reaction)	Dr. Praveen (Microbiology)
	27. Ultracentrifuge	Dr. Sonal Mathur (Botany)
	28. Chemiluminescence Doc	Dr. Brajesh Kumar Maurya (Zoology)
	29. Fast Protein Liquid Chromatography (FPLC)	Prof. Naveen Kango (Microbiology)

The services rendered by previous Centre Coordinators and Teacher Incharges are highly appreciated and placed on record.

22/4/25
Chief Coordinator, (CAR)

Copy to:

1. All Coordinators and Teacher Incharge of CAR
2. All concerned Technical Officer/Staff of CAR
3. PS to Hon'ble Vice Chancellor for the information
4. PA to Registrar for the information
5. IT Cell for CAR web page upload.
6. Concerned file