

# चौधरी चरण सिंह विश्वविद्यालय, मेरठ

## Chaudhary Charan Singh University, Meerut



University has approved the following research projects submitted by the faculty members under the University Research and Development Grant Scheme (URGS) for the financial year 2021-22 on the recommendation of the subject experts. The details are given below:

### List of Sanctioned Research Projects:-

Sr. No.	Teacher Name with Department	Proposal Title	Sanction Amount (Rs.)
1	Dr. Yeshvandra Verma Deptt. of Toxicology	Development of Whole Cell Based Biosensor for Toxicity Risk Assessment of Nanoparticles	1,70,000.00
2	Dr. Yeshvandra Verma Deptt. of Toxicology	Molecular mechanism Toxicity of Co-exposure to Arsenic & fluoride in rats	4,83,000.00
3	Prof. S. K. Bhardwaj Deptt. of Zoology	Recording in the existing facility	25,800.00
4	Prof. Beer Pal Singh Deptt. of Physics	Synthesis and characterization of electrode material for supercapacitor application	10,97,250.00
5	Dr. Yogendra K. Gautam Deptt. of Physics	Development of thin film-based chemiresistive gas sensors	17,44,040.00
6	Prof. R.K Soni Deptt. Of Chemistry	Cone Calorimeter in Fire Resistant Materials	10,000.00
7	Prof. Bindu Sharma Deptt. of Zoology	Morphological, molecular characterization and in silico genomic analysis of nematodes in from catfishes of meerut region	3,73,499.00
8	Prof. Bindu Sharma Deptt. of Zoology	Morphological and molecular characterization of metacercariae larva from perciformes freshwater fishes of meerut region	19,116.00
9	Dr. Rama Kant Deptt. of Botany	Effect of waste water on growth of Oscillatoria	10,040.00

At the end of the financial year, each faculty will submit a project report highlighting findings and accomplishments and utilization certificate.

  
 Registrar  
 Registrar  
 Ch. Charan Singh University  
 Meerut

**चौधरी चरण सिंह विश्वविद्यालय, मेरठ**  
**Chaudhary Charan Singh University, Meerut**



Ref. No. Dev./1043

Dated: 29.06.2022

University has approved the following research projects submitted by the faculty members under the University Research and Development Grant Scheme (URGS) for the financial year 2022-24 on the recommendation of the subject experts. The details are given below:

वित्तीय वर्ष 2022-24 हेतु विश्वविद्यालय द्वारा अनुदानित रिसर्च एण्ड डेवलपमेंट स्कीम (URGS) के अन्तर्गत प्राप्त शिक्षकों के निम्न प्रस्तावों को विषय विशेषज्ञों की संस्तुति के आधार पर विश्वविद्यालय द्वारा स्वीकृति प्रदान कर दी है। जिसका विवरण निम्नवत् है:-

**List of Sanctioned Research Projects:-**

Sr. No.	Teacher Name	Proposal Title	Sanction Amount Rs. In Lac	Remark
1-	Prof. N.C. Lohani Deptt. of Hindi	राष्ट्रीय शिक्षा नीति 2020: भाषा संबंधी प्रावधानों का क्रियान्वयन : मेरठ मंडल के संदर्भ में।	2.0	Received (Approved)
2-	Prof. Aslam Jamshedpuri Deptt. of Urdu	गैर मुस्लिम उर्दू अदीब	2.0	Received (Approved)
3-	Prof. Vikas Sharma Deptt. of English	Female Gaze in Indian Cinema: A Critical Study	2.0	Received (Revised & Resubmitted)
4-	Prof. Ravindra Kumar Deptt. of English	A Study of Teaching and learning of English Communication skills for enhancement of employability of students at the UG level in CCS University and its Affiliated Colleges	2.0	Received (Approved)
5-	Dr. Dinesh Panwar Deptt. of Microniology	Chemical/ microbes mediated recovery of reducing sugars from black liquor for the production of bioethanol and other value added products	2.0	Received (Approved)
6-	Dr. Laxman Nagar Deptt. of Microniology	Metagenomic analysis exploring taxonomic and functional diversity of soil microbial communities in continuous sugarcane cropping fields of Western region of Uttar Pradesh	2.0	Received (Approved)
7-	Dr. Anjali Malik Deptt. of Microniology	Isolation, Identification and Purification of Bacteriocin producing Lactic acid Bacteria from Fermented food and their antimicrobial profiling against pathogenic bacteria	2.0	Received (Approved)

	Dr. Devendra Kumar Deptt. of Microbiology	Value chain on production of nutraceuticals for use as natural antioxidants from cyanobacterial strain <i>Spirulina platensis</i>	2.0	Received (Approved)
9-	Prof. Atvir Singh Deptt. of Economics	Socio-Economics Status of Small & Marginal Farmers (A Study of Bulandshahr District in Uttar Pradesh)	2.0	Received (Approved with Comments)
10-	Prof. Ravendra Kumar Sharma Deptt. of Economics	Out-of-Pocket Expenditure and Indirect Costs to Patients with Pulmonary Tuberculosis treated under NTEP in Meerut, Uttar Pradesh	2.0	Received (Approved with Comments)
11-	Dr. Sapna Jain Deptt. of Economics	Impact Of COVID-19 on the Restaurant- Business : A case study of Meerut	2.0	Received (Approved with Comments)
12-	Dr. Sanjeev Kumar Deptt. of Economics	Employability of Higher Education Graduates in Uttar Pradesh: Student Perception and Campus Experience	2.0	Received (Approved with Comments)
13-	Prof. Rajendra Kumar Pandey Deptt. of Political Science	Managing natural disasters in the Gandhian way: The case of flood prone areas in Delhi	2.0	Received (Approved)
14-	Prof. Sanjeev Kumar Sharma Deptt. of Political Science	Relocating Indian Conventional Political Wisdom into Contemporary Models of Governance	2.0	Received (Approved)
15-	Dr. Saru Kumari Deptt. of Mathematics	Designing an Authentication Protocol for Wireless Body Area Networks	2.0	Received (Approved)
16-	Dr. Sandeep Kumar Deptt. of Mathematics	Some new methods for solving decision making problems in intuitionistic fuzzy framework	2.0	Received (Approved)
17-	Prof. Shiv Raj Singh Deptt. of Mathematics	Mathematical Modeling on Inventory Control With Technology Investment Towards Sustainability	2.0	Received (Approved)
18-	Dr. Mukesh Kumar Sharma Deptt. of Mathematics	Mathematics/ Fuzzy optimization, Extension of Fuzzy sets and their applications in Real life.	2.0	Received (Approved)
19-	Prof. Rahul Kumar Deptt. of Genetics & Plant Breeding	Identification of molecular markers associated with iron and zinc biofortification in Indian wheat varieties	2.0	Received (Approved)
20-	Dr. Sachin Kumar Deptt. of Gen. & Plant Breeding	Mutant-Assisted Mapping of Genes/QTLs for Reduced Plant Height in Bread Wheat ( <i>Triticum aestivum</i> L.)	2.0	Received (Approved)
21-	Prof. Shailendra Sharma Deptt. of Genetics & Plant Breeding	Genome-Wide Association Study of Root System Architecture (RSA) related Traits in Wheat ( <i>Triticum aestivum</i> L.)	2.0	Received (Approved)
22-	Dr. Dharmendra Pratap Deptt. of Genetics & Plant Breeding	Full Genome cloning and sequencing of begomovirus associated with leaf curl disease of chilli in Uttar Pradesh and Uttarakhand	2.0	Received (Approved)
23-	Dr. Ashok Kumar Deptt. of Botany	Response of bio-green synthesized Zn nano particles towards Pea ( <i>Pisum sativum</i> L.) for its Assessment on	2.0	Received (Approved)

		growth and microbial soil ecology		with Comments)
24-	Prof. Vijai Malik Deeptt. of Botany	Morphological Variation and phytochemical fingerprinting of <i>Sida rhombifolia</i> .	2.0	Received (Approved with Comments)
25-	Dr. Rama Kant Deeptt. of Botany	Isolation and characterization of <i>Nostoc</i> strains for bio-surfactant and Scytonemin	2.0	Received (Approved with Comments)
26-	Prof. Rup Narayan Deeptt. of Botany	Vegetation structure and Soil characteristics of Hastinapur Wildlife Sanctuary	2.0	Received (Approved with Comments)
27-	Dr. Pradeep Chaudhary Deeptt. of Statistics	Some Reliability indices to Reparable Man-Made Stochastic System Models	2.0	Received (Approved)
28-	Dr. Nikhil Kumar Deeptt. of Chemistry	A comparative study of Medicinally active constituents from the Rhizomes of <i>Alpinia calcarata</i> Rose in Kumaon and Garhwal Region (Uttarakhand)	2.0	Received (Approved)
29-	Dr. Nazia Tarannum Deeptt. of Chemistry	Management of Recycled paint latex to prepare multicomponent polymeric composite based roof sealant for application in construction	2.0	Received (Approved)
30-	Dr. Meenu Teotia Deeptt. of Chemistry	Development of hardening system for Epoxy resins using NN'dihydroxoethyl 1,4 Benzene Dicarboxamide derived from PET waste	2.0	Received (Approved)
31-	Prof. Sanjay Kumar Bhardwaj Deeptt. of Zoology	Effect of different wavelengths and intensity of light at night on higher cognitive performance in zebra finches, <i>Taeniopygia guttata</i>	2.0	Received (Approved with Comments)
32-	Dr. Dushyant Kumar Chauhan Deeptt. of Zoology	Study of Biologically synthesized Silver nanoparticles from <i>Abroma augusta</i> plant extract for the treatment of hyperglycemic albino rats	2.0	Received (Approved with Comments)
33-	Dr. Satyandra Kumar Deeptt. of Toxicology	Assessment of silver nanoparticles using photorhabdus luminescence bacteria	2.0	Received (Approved)
34-	Dr. Yeshvandra Verma Deeptt. of Toxicology	Prevention of arsenic induced skin toxicity by nano curcumin	2.0	Received (Approved)
35-	Prof. Anil Kumar Malik Deeptt. of Physics	Investigation of nano clusters as Terahertz (THz) source for applications in imaging	2.0	Received (Approved with Comments)
36-	Dr. Kavita Sharma Deeptt. of Physics	Prediction of Strength and Timing of Solar Cycle 25 using Modified Precursor Method	2.0	Received (Approved with Comments)
37-	Dr. Anil Kumar Yadav Deeptt. of Physics	Development of Rare Earth Doped Silicate based nanophosphors for solid state lighting applications	2.0	Received (Approved with Comments)
38-	Prof. Anuj Kumar Deeptt. of Physics	Development of 2D layered materials for NO <sub>x</sub> gas sensor applications	2.0	Received (Approved with Comments)
39-	Prof. Beer Pal Singh Deeptt. of Physics	Fabrication of Transition metal doped MoS <sub>2</sub> thin films for energy storage devices	2.0	Received (Approved with

			Comments)
40-	Dr. Yogendra Kumar Gautam Deptt. of Physics	Study of Hydrogen Gas Sensing Properties of Selected Nanostructured Coatings	2.0 Received (Approved with Comments)
41-	Prof. Sanjeev Kumar Sharma Deptt. of Physics	Synthesis of Ag-codoped YZO nanowires/nanorods of FTO substrates for gas sensors	2.0 Received (Approved with Comments)
42-	Dr. Vivek Kumar Deptt. of Legal Study	An Analysis of Artificial Intelligence & cyber security in India	2.0 Received (Approved)
43-	Prof. Prashant Kumar Deptt. of Journalism & Mass Comm.	राष्ट्रवादी पत्रकारिता के विस्तार में विश्व संवाद केन्द्र की भूमिका: एक अध्ययन	2.0 Received (Approved)
44-	Dr. Ajay Kumar Deptt. of Plant Protection	Bio-efficacy and integrated pest management of whiteflies, Bemisia tabaci and apical leaf curl New Delhi virus of potato in Meerut Region	2.0 Received (Approved)
45-	Dr. Pradip Kumar Deptt. of Biotechnology	STD: End of Sentence	2.0 Received (Approved with Comments)
46-	Dr. Shalu Deptt. of Geography	ग्रामीण विकास नियोजन (भूगोल)	2.0 Received (Approved)
47-	Prof. Dinesh Kumar Manaye Kanshi Ram Shodh peeth	Urban Unorganized Sector And Financial Inclusion - A Study Of Meerut	2.0 Received (Approved with Comments)
48-	Dr. Alka Tiwari Deptt. of Fine Arts	Creating a heat reflective interior tiles to reduce the temperature of the home summer.	2.0 Received (Approved)

  
Registrar

Registrar  
Dr. Charan Singh University  
Meerut