

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
1	Dr. Archana Prasad, Assistant Professor, Department of Plant molecular Biology & Biotechnology, College of Agriculture, IGKV, Raipur (CG)	23.06.15	"Identification and validation of candidate SNPs markers for drought tolerance in rice (<i>Oryza sativa</i> L.)	Agriculture (Plant molecular Biology & Biotechnology)	4,68,000/- 2yr
2	Dr. Renu Bhat, Assistant Professor, Department of Biotechnology, Guru Ghasidas University, Bilaspur (CG).	04.09.15	Phytochemical investigation of <i>Moringa oleifera</i> plant extract and its protective role on cisplatin nephrotoxicity	Biotechnology	4,60,000/- (2yr)
3	Dr. C. S. Shukla, Professor, Department of Plant Pathology, College of Agriculture, IGKV, Raipur (CG)	23.06.15	Strain improvement through selection for mating competence in monokaryotic isolates derived from <i>Pleurotus</i> spp	Agriculture (Plant Pathology)	4,70,000/-
4	Dr. Punit Gupta, Professor & Nodal Officer Nephrology, Chief Nephrology & Transplant Physician, Pt. JNM Medical College, Raipur (CG)	22.06.15	Innovation of mobile artificial kidney easy dialysis (MAKE-D)- A revolutionary change in dialysis therapy	Medical (Nephrology)	5,00,000/- 1yr
5	Dr. Zenu Jha,	23.06.15	Technology	Agriculture,	4,75,000/-

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	Assistant Professor, Department of Plant molecular Biology & Biotechnology, College of Agriculture, IGKVV, Raipur (CG)		development for hairy root culture for the production of andrographolide from <i>Andrographis paniculata</i> for entrepreneueship	(Plant molecular Biology & Biotechnology)	(2yr)
6	Mr. Rakesh Kumar Meena, Sr. scientist, Research & Development Unit, Aditya Biotech Lab & Research Pvt. Ltd., Nandanvan, Chandnidih Raipur (CG)	22.07.15	Marker assisted breeding for development of gynoecious Indian Bitter Gourd (<i>Momordicacharant ia</i> L)	Biotechnology	5,00,000/- (3yr)
7	Mr. Dilip Singh Sisodia, Assistant Professor, Department of Computer Sciences, National Institute of Technology, Raipur (CG.)	04.09.15	Modelling of autonomous software agents' behaviour to defined HTTP request attacks	Computer Science	4,90,000/- (3yr)
8	Dr. Bharti Ahirwar, Associate Professor, SLT Institute of Pharmaceutical Sciences, Guru Ghasidas University,	04.09.15	Evaluation of ethenomedicinal plants of Chhattisgarh against breast cancer	Pharmacy	2,00,000/- (2yr)

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	Bilaspur (CG)				
9	Dr. Tapas Choudhary, Scientist, Department of Microbiology, College of Agriculture, IGKVV, Raipur (CG)	23.06.15	Exploration of crop beneficial bio agents for fast degradation of pesticides for good soil health and crop productivity	Agriculture (Microbiology)	4,55,000/- (3yr)
10	Dr. Madhurima Pandey, Professor, Department of Chemistry, Bhilai Institute of Technology, Durg (CG)	23.06.15	Aspect of Cr(VI) pollution in various environmental matrices of Chhattisgarh state	Chemistry	4,50,000/- (2yr)
11	Dr. Manmohan Lal Satnami, Assistant professor, SOS in Chemistry, Pt. Ravishankar Shukla University, Raipur (CG)	04.09.15	Hydrolytic cleavage of organophosphorus pesticides by oximate and hydroxamate ions in self-organized assemblies	Chemistry	5,00,000/- (2yr)
12	Dr. Nagendra Kumar Chandrawanshi, Assistant Professor, SOS in Biotechnology, Pt. Ravishankar Shukla University, Raipur	22.07.15	Morphological, Biochemical and molecular characterization of poisonous and non-poisonous mushroom	Biotechnology	3,60,000/- (2yr)
13	Mr. Ajit Kumar Singh, Scientist,	04.09.15	Preliminary studies on survey,	Agriculture	3,40,000/- (3yr)

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	College of Agriculture and Research Station, Boridadar, Raigarh		epidemiology and management of false smut of rice under field condition of Chhattisgarh		
14	Dr. M. N. Naugraiya, Scientist, Principal Scientist, Department of Forestry, College of Agriculture, IGKVV, Raipur (CG)	03.11.15	Exploration of genetic diversity in bamboo species in Bastar plateau of Chhattisgarh	Forestry	5,00,000/- (3yr)
15	Dr. Krishna Kumar Chandra, Associate Professor, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas University, Bilaspur (CG)	23.06.15	Study of structure and function of different agro forestry practices existing in Chhattisgarh Plain zone	Forestry	4,90,000/-
16	Mr. Vijay Kumar Singh, Assistant Professor, Columbia Institute of Pharmacy (CG)	23.06.15	Design synthesis and evaluation of drug conjugate for CNS drug delivery via endogenous transport system at blood brain barrier	Pharmacy	4,50,000/- 2yr.
17	Dr. N. K. Singh, Assistant Professor &	04.09.15	Soil fungal diversity: search for	Botany	4,80,000/- 2yr.

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	Head, Department of Botany, Govt. College Sargaon, District-Mungeli (CG)		an effacement phosphate solubilizer in the paddy fields of Sargaon area (Mungeli) of Chhattisgarh		
18	Dr. Amit Roy, Principal & Professor, Department of Pharmacology, Collumbia Institute of Pharmacy, Near Vidhanshabha, Vill. Tekari, Raipur (CG)	04.09.15	Pharmaceutical screening of some anti diabetic formulations prepared indigenously by local healers of Chhattisgarh	Pharmacy	4,40,000/- 2yr
19	Prof. A. K. Gupta, Professor, SOS in Life Sciences, Pt. Ravishankar Shukla University, Raipur (CG)	04.09.15	Exploration of endophytic actinomycetes for antibiotic potential from some medicinal plants of Raipur district	Life Science	5,00,000/- 3yr
20	Dr. Sudhakar Pandey, Department of Information Technology, National Institute of Technology, Raipur (CG)	21.09.15	Development of framework for web based intelligent dictionary for learning Chhattisgarhi Language	IT	4,00,000/- 2yr

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
21	Dr. Keshri Verma, Assistant Professor, Department of Computer Sciences, National Institute of Technology, Raipur (CG)	04.09.15	Computer aided technique for diseases diagnosis: A non invasive approach of disease detection using Iris Image	Computer Sciences	2,87,000/- 3yr
22	Dr. Surendra H. Bodakhe, Associate Professor, SLT Institute of Pharmaceutical Sciences, Guru Ghasidas University, Bilaspur (CG)	04.09.15	A search for herbal anti cataract drugs from Achanakmar Forest area of Chhattisgarh state	Pharmacy	1,40,000/- 2yr.
23	Dr. J. Anandkumar, Assistant Professor, Department of Chemical Engineering, National Institute of Technology, Raipur (CG)	23.06.15	Removal of dyes and chemical oxygen demand of dye bearing effluent	Chemical Engineering	4,00,000/- 2yr
24	Dr. R. Manivannan, Assistant Professor, Department of Chemical Engineering, National Institute of Technology, Raipur	23.06.15	Interactive mechanism of green corrosion inhibitor and mild steel in alkaline medium containing chloride ion	Chemical Engineering	4,28,000/- 2yr

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	(CG)				
25	Dr. (Mrs.) Shipra Sinha, Assistant professor, Department of Zoology, Kalyan, PG College, Bhilai (CG)	01.09.15	Histopathological and histochemical studies on the effect of malathion on various tissues of the freshwater crab barytelphusa cunicularis (Westwood-1836)	Zoology	4,27,000/- 3yr
26	Dr. Ebha Koley, Assistant Professor, Department of Electrical Engineering, National Institute of Technology, Raipur (CG)	23.12.15	A hybrid artificial neural network and fuzzy logic approach with wavelet transform based multi resolution analysis for fault detection, classification and location in six phase transmission line	Electrical Engg.	4,96,000/- 3yr
27	Dr. (Mrs.) Ambika Tandon, Scientist, Department of Agronomy, College of Agriculture, IGKVV, Raipur (CG)	14.12.15	Maximizing seed yield of gum producing Guar (Cyamopsis tetragonoloba (L.) Taub) through vertical selection and agro management	Agriculture (Agronomy)	5,00,000/- 3yr

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
			practices under rainfed ecology of Chhattisgarh		
28	Dr. Ushakiran Agrawal, Professor, Department of Psychology, Govt. DB Girls PG College, Raipur (CG)	14.12.15	Psychological challenges faced by women entrepreneurs (Owners of SSI) and their coping methods in the state of Chhattisgarh	Psychology	2,30,000/- 2yr
29	Dr. Harit Jha, Assistant Professor, Department of Biotechnology, Guru Ghasidas University, Bilaspur (CG)	14.12.15	Lignocellulosic - poly (lactic acid) based composites for multifaceted applications	Biotechnology	5,00,000/-
30	Dr. Ashish Kumar, Assistant Professor, Department of Biotechnology, Sarguja University, Ambikapur, Distt. Sarguja (CG)		Evaluation and identification of elite Kalmegh genotypes with high andrographolide content from the Northern Hill of Chhattisgarh	Biotechnology	5,00,000/- 2yr
31	Dr. D. C. Jhariya, Assistant Professor, Department of Applied Geology, National Institute of	25.01.16	Identification of potential ground artificial recharge zones for rainwater harvesting in Raipur	Applied Geology	5,00,000/- 3yr.

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	Technology, Raipur (CG)		Municipal Corporation Naya Raipur area, Chhattisgarh		
32	Dr. Amit Alexender, Assistant Professor, Department of Industrial Pharmacy, Rungta College of Pharmaceutical Sciences, Bilai	03.09.15	Formulation and development of quercetin-loaded poloxamer based in situ thermosensitive injectable hydrogel for the cure of breast cancer	Pharmacy	3,20,000/- 2yr
33	Dr. Debasisha Mishra, Department of Mathematics, National Institute of Technology, Raipur (CG)	27.01.16	Matrix splitting of rectangular/singular matrices and its application to system of linear equations	Mathematics	1,40,000/-
34	Dr. M. K. Rai, Associate Professor, SOS in Chemistry, Pt. Ravishankar Shukla University, Raipur (CG)	25.02.16	Analytical study on some domiciliary lethal pesticides in the selected environments of Chhattisgarh state	Chemistry	5,00,000/-
35	Dr. B. L. Sonekar, Assistant Professor, SOS in Economics, Pt. Ravishankar Shukla University, Raipur (CG)	14.12.15	Chhattisgarh ke anusuchit jati- Janjati Sarpancho ka gram in vik as me yogdan (Adiwasi ev am gair adivashi	Economics	5,00,000/- 2yr

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
			jile ke sanderbh me)		
36	Dr. Manas Kanti Deb, Professor, SOS in Chemistry, Pt. Ravishankar Shukla University, Raipur	24.02.16	Analytical investigation of some food additive and toxic adulterants employing DRS/ATR-FTIR spectroscopic technique	Chemistry	5,00,000/- 2yr
37	Dr. B. N. Tiwari, Professor, Department of Biotechnology, Guru Ghasidas University, Bilaspur (CG)	14.12.15	Characterization of conidial antigens isolated from aeromicroflora of Chhattisgarh	Biotechnology	5,00,000/- 2yr
38	Dr. Ashutosh Narayan, Professor, Department of Applied Mathematics, Bhilai Institute of Technology, Durg (CG)	23.12.15	Stability of the oblate infinitesimal in the elliptic restricted three body problem with oblate radiating primaries	Applied Mathematics	4,28,000/- 2yr
39	Dr. J. Satya Eswari, Assistant Professor, Department of Biotechnology, National Institute of Technology, Raipur (CG)	25.01.16	Computer added drug design of peptide based drugs: lipopeptides	Biotechnology	4,00,000/- 2yr

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
40	Dr. Bikesh Kumar Singh, Assistant Professor, Department of Biomedical Engineering, National Institute of Technology, Raipur (CG)	25.01.16	Computer added analysis and interpretation of mammographic image for early diagnosis of breast cancer in Chhattisgarh	Biomedical	3,60,000/- 2yr
41	Dr. Santosh Singh Thakur, Assistant Professor, Department of Chemistry, Guru Ghasidas University, Bilaspur (CG)	23.12.15	Nanostructured organo-functionalized mesoporous silica materials: Synthesis and catalytic applications	Chemistry	5,00,000/- 2yr
42	Dr. Nilesh Kumar Thakur, Assistant Professor, Department of Mathematics, National Institute of Technology, Raipur (CG)	23.12.15	Modelling pattern from formation in spatial aquatic system: mathematical model and applications	Mathematics	1,00,000/- 2yr
43	Dr. Raj Kumar Sahu, Assistant Professor, Department of Mechanical Engineering, National	23.12.15	Development characterization of functionally graded material with self lubrication property	Mechanical engineering	3,50,000/- 3yr

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	Institute of Technology, Raipur (CG)		for cutting tool applications		
44	Dr. P. K. Joshi, Professor, Centre for Excellence of Medicinal and Aromatic Plant & Non-Timber Forest Produce, Indira Gandhi Agricultural University, Raipur (CG)	25.12.15	Collection evaluation and characterization of Cassis tora for quality seed production for farming communities	Natural Resources	3,55,000/- 3yr
45	Mr. Ajay Verma, Professor, Department of Farm Machinery & Power, Faculty of Agriculture Engineering, IGKVV, University, Raipur (CG)	23.12.15	Refinement in planting method of rice using different machines	Agriculture Engineering	4,10,000/- 3yr
46	Dr. Subhash Chandra Shrivastawa, Associate Professor, Rungta College of Engineering & Technology, Kohka Road, Kurud, Bhilai (CG)	23.12.15	Application of fixed point theory in fractal theory	Applied Mathematics	1,00,000/- 3yr

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
47	Dr. Prashant Shridhar Bokare, Principal, RSR Rungta College of Engineering & Technology, Rungta Knowledge City, Kohka Kurud Road, Bhilai (CG)	14.12.15	Crash (Accident) prediction model (CPM) for Durg-Raipur four lane highway	Civil Engineering	5,00,000/- 2yr
48	Dr. Gangadhar S. Ramtekkar, Professor & Dean (P&D), Department of Civil Engineering, National Institute of Technology, Raipur (CG)		Parametric Study of eco-friendly concrete/composite by partial replacement of sand and cement with locally available industrial by products	Civil Engineering	4,02,000/- 3yr
49	Dr. Madasu Krishna Prasad, Assistant Professor, Department of Mathematics, National Institute of Technology, Raipur (CG)	23.12.15	Cell models for micro polar fluid past porous particles	Mathematics	1,25,000/- 3yr
50	Dr. Ajazuddin, Associate Professor, Department of Pharmaceutics,	04.09.15	Development and characterization of pegylated conjugates for some	Pharmacy	4,40,000/- 2yr

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	Rungta College of Pharmaceutical Sciences, and Research, Bhilai (CG)		poorly soluble plant extracts		
51	Ms. Bina Gidwani, Assistant Professor, Department of Quality Assurances, Shri Rawatpura Sarkar Institute of Pharmacy, Behind Holyday Resort, Near Power Grid Corporation, Kumhari, Disst. Durg (CG)	04.09.15	Development and validation of analytical method for quantification of lipid nanoparticles loaded with alkylating agents for treatment of ovarian cancer	Pharmacy	2,70,000/-
52	Dr. Latika Bhatia, Assistant Professor, Department of Microbiology & Bioinformatics, Bilaspur University, Old High Court, Bilaspur (CG)	25.02.16	Exploration of economic biovalorization potential of rice husk for bio ethanol production	Microbiology	4,75,000/- 3yr
53	Dr. Samit Tiwari, Professor, Department of Applied Physics, Bhilai Institute of	09.12.15	Synthesis and characterization of rare earth doped GdAlO ₃ phosphors	Physics	4,40,000/-

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	Technology, Durg (CG)				
54	Dr. Seema A. Belorkar, Associate Professor, Department of Microbiology & Bioinformatics, Bilaspur University, Old High Court, Bilaspur (CG)	25.02.16	Screening of microbes isolated from soil samples of Chhattisgarh for potential invertase production by utilization of agro-industrial wastes from resident industries	Microbiology	5,00,000/- 2yr
55	Shri Ram Krishna Mishra, Head, Department of Civil Engineering, Bhiali Institute of Technology, Kendri-NH-43, Near Abhanpur, New Raipur (CG)	23.12.15	Effect of concrete carbonation on replacement of fine aggregate by locally available industrial by product	Civil Engineering	3,20,000/- (2yr)
56	Dr. V. K. Soni, Assistant Professor, Sant Kabir College of Agriculture & Research Station, Kawardha, Distt. Kabirdham (CG)	23.12.15	Development of suitable management tactics for the management of sugarcane leaf hopper under Kabirdham region	Agriculture	4,41,000/- 2yr
57	Mr. Ravi Shrivastawa, ICFAI,	23.12.15	Luminescence studies of different	Physics	3,10,000/- (2yr)

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	University, NH- 6, KM Stone 20, Durg Raipur Road, Durg (CG)		silicate phosphors doped with Dy ³⁺ for light emission		
57	Dr. Chanchal Deep Kaur, Associate Professor & Principal, Shri Rawatpura Sarkar Institute of Pharmacy, Behind Holyday Resort, Near Power Grid Corporation, Kumhari, Disst. Durg (CG)	04.09.15	Development of novel delivery systems for curing lymphatic filariasis from indigenous herbal sources of Chhattisgarh State	Pharmacy	4,20,000/-
58	Dr. Reeta Venugopal, Professor, SOS in Physical Education, Pt. Ravishanakar Shukla University, Raipur (CG)	27.01.16	Prevalence and awareness of chronic disease among women of different profession in relation to life style and activity level	Physical Education	4,90,000/- (2yr)
59	Ms. Namrata Verma, Assistant Professor, Department of Electronics & Telecommunication Engineering, Bhilai	23.04.16	Adaptive rood pattern search for fast block-matching motion estimation	Electronics & Tele Com. Engg.	2,37,900/-

**Sanctioned Mini Research Project Proposal
Year 2015-16**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
	Institute of Technology, Vill. Kendri, New Raipur				
61	Dr. Manisha A. Agrawal, Professor, Department of Chemistry, Rungta College of Engineering & Technology, Kohka Road Kurud, Bhilai (CG)	23.12.05	Development of carbonized agro granules for the removal of surfactants from waste water/environmental sample	Chemistry	5,00,000/- (2yr)