

**Sanctioned Mini Research Project Proposal
Year 2013-14**

Sl	Name & Address	Sanction Date	Title	Subject	Total sanctioned Rs. & Year
1	Dr. Pratima Gupta, Assistant Professor, Department of Biotechnology, National Institute of Technology, Raipur (CG)	05.08.2013	Enzymatic hydrolysis of rice husk and straw and its conversion into biohydrogen by dark fermentation	Biotechnology	4,72,000/-
2	Dr. Shubha Banerjee , Assistant Professor, Department of plant Molecular Biology and Biotechnology, College of Agriculture, IGKVV, Raipur	27.04.2013	Identification of phosphorus deficiency tolerant rice genotypes using known DNA markers	Biotechnology	4,98,000/- (2 yr)
3	Dr. K. Venu Achari, Assistant Professor, Department of Zoology, Govt. College, Sanawal, District-Balrampur (CG)	19.08.2013	Invertebrate diversity and conservation in the northern Chhattisgarh with respect to sanawal	Zoology	5,00,000/-
4	Dr. Ajay Kumar Singh , Assistant Professor, Department of Chemistry, Govt. V. Y. T. PG College,	19.08.2013	Oxidative destruction of antibiotics/analgesic drug by colloidal MnO ₂ in absence and presence of	Chemistry	5,00,000/- (2yr)

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	Durg (CG).		micellar system		
5	Mr. Shiv Shankar Shukla, associate Professor, Columbia Institute of Pharmacy, Village Tekari, PO. Girod, Near Vidhanshabha, Raipur	20.08.2013	Standardization and validation of ayurvedic formulation	Pharmacy	4,95,000/- 2yr
6	Mr. Sanjib Bahadur, Assistant Professor, Clumbia Institute of Pharmacy, Vill. Tekari, Near Vidhan Sabha, Raipur (CG)..	20.08.2013	Development of sustained release oral tablets of glipizide by utilizing natural mucilage of fenugreek seeds & okra pods	Pharmacy	2,40,000/-
7	Mr. Ram Kumar Sahu, Assistant Professor, Columbia Institute of Pharmacy, Vill. Tekari, Near Vidhan Sabha, Raipur (CG).	20.08.2013	Developing method to enhance the production of active constituents in lab scale by cultured plant cells of <i>Curcuma amada</i> and <i>Nardostachys jatamansi</i>	Pharmacy	2,40,000/- 2yr
8	Dr. Narendra D. Londhe, Assistant Professor,	20.08.2013	Speech recognition for Chhattisgarhi	Electrical Engineering	5,00,000/-

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	Department of Electrical Engg., National Institute of Technology, Raipur (CG)				
9	Dr. R. K. S. Tiwari, Principal Scientist, (Plant Pathology) TCB College of Agriculture, IGKVV, Bilaspur (CG)	08.08.13	Studies on seed biological aspects of endangered, unexplored and commercially important medicinal plant species	Agriculture	5,00,000/-
10	Dr. Arvind Kumar Sinha, Assistant Professor, Department of Mathematics, National Institute of Technology, Raipur (CG).	14.05.13	A study of dual concepts in modules in algebra	Mathematics	5,00,000/-
11	Mr. Surendra Saraf, Principal, Columbia Institute of Pharmacy, Village Tekari, PO. Girod, Near Vidhanshabha, Raipur	20.08.13	Development and characterization of efficient nanoparticles based vaccine delivery system for oral mucosal immunization	Pharmacy	3,95,000/- (2 yr)
12	Dr. Santosh Sar,	05.10.13	Design and develop	Chemistry	5,00,000/-

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	Professor, Department of Chemistry, Bhilai Institute of Technology, Durg (CG)		bio adsorbents for removing anionic surfactant and other pollutants from waste water bodies of Chhattisgarh		
13	Mr. Sushil Kumar, Sr. Regional Manager, Indian Oil CREDA Biobful Ltd. Ground Floor, Chawla Tower, Shankar Nagar, Raipur	19.12.131	Survey of <i>Pongamia pinnata</i> for its potential as a biofule feedstock and identification of candidate plus trees (CPTs) in different agro climatic conditions of Chhattisgarh	Forestry	5,00,000/-
14	Dr. A. K. Pati, Professor & Head, SOS in Life Science, Pt. Ravishankar Shukla University, Raipur	27.12.13	Inventory on earthworm biodiversity, database of Raipur district of Chhattisgarh agro-ecosystems cultivating scented rice	Life Science	4,90,000/- 2yr
15	Aditi (Niyogi) Poddar, SOS in Life Science, Pt. Ravishankar	27.12.13	Salivary alpha- amylase rhythms in patients with breast cancer	Life Science	5,00,000/- 3yr

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	Shukla University, Raipur (CG)				
16	Dr. (Mrs.) Anamika Yadav, Assistant Professor, Department of Electrical Engineering, National Institute of Technology, Raipur (CG)	27.12.13	A single ended directional relaying algorithm based on ANN for fault classification and zone identification of double infeed transmission line	Engineering (Electrical)	4,40,000/- 2yr
17	Dr. Arti Parganiha, Assistant Professor, SOS in Life Science, Pt. Ravishankar Shukla University, Raipur (CG)	27.12.13	Salivary alpha-amylase rhythms in patients with breast cancer	Life Science	5,00,000/- (3yr)
18	Dr. R. K. Pradhan, Professor, SOS in Life Science, Pt. Ravishankar Shukla University, Raipur (CG).	27.12.13	A study on the impact of school timing on sleep behavior and cognitive ability of higher secondary school studies	Life Science	4,65,000/-
19	Dr. Sanjay Kumar, Head, SOS in Computer Science, Pt. Ravishankar Shukla University,	27.12.13	A model of green computing for Chhattisgarh	Computer Science	5,00,000/- 3yr.

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	Raipur (CG)				
20	Dr. Sanjeev Karmakar, Associate Professor, Department of Computer Applications, Bhilai Institute of Technology, Durg (CG)	27.12.13	Development of meteorological information system (Metls): A case for rural areas of Bilaspur' District	Computer Science	4,99,500/- 3yr
21	Mr. Amit Kumar Shrivastava, Assistant Professor, Department of Electronic & Telecommunication, Shri Shankaracharya Institute of Engineering & Technology, Durg (CG).	27.12.13	Design and development of a system for testing various sensors on embedded ARM platform	Engineering (Electronic & Telecommunication)	2,00,000/- 2 YEARS
22	Mr. Naresh Kumar Nagwani, Assistant Professor, Department of Computer Science & Engineering, National Institute of Technology, Raipur	27.12.13	Predictive and visual analysis of the price distribution information of rice and wheat across India	Computer Science & Engineering	4,50,000/- (2 yr)

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	(CG).				
23	Mr. Peadeep Singh , Assistant Professor, Department of Computer Science & Engineering, National Institute of Technology, Raipur	27.12.13	Development of a comprehensive model for software fault prediction	Computer Science & Engineering	5,00,000
24	Dr. Santosh Penta, Assistant Professor, Department of Chemistry, National Institute of Technology, Raipur (CG).	31.03.14	Design and synthesis of novel potent heterocyclic compound and their biological evaluation	Chemistry	4,95,000/- (3yr)
25	Mr. B. Majumdar , Associate Professor , Department of Chemical Engineering , National Institute of Technology, Raipur (CG)	31.03.14	Shelf Life of spices	Chemical Engineering	5,00,000/- 3yr
26	Dr. Girish Kant Pandey, Head, Department of Defense Study, Govt. Science College, Raipur	31.03.14	Synthesis and characterization of rare earth activated yttrium aluminate phosphors	Defence	5,00,000/- (2yr)

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27	Dr. N. Lakpale, Scientist, Directorate of Extension, Indira Gandhi Agricultural University, Raipur	31.03.14	Documentation and validation of indigenous technical knowledge (ITK) of crop protection in Bastar plateau	Agriculture	4,80,000/- (2yr)
28	Mr. Harvinder Kumar Singh, Scientist, Department of Plant Pathology, Indira Gandhi Agricultural University, Raipur	31.03.14	Identification, characterization of laccase gens from edible fungi and white rot basidiomycetes fungal genera prevalent in Chhattisharh	Agriculture	5,00,000/- (2yr)
29	Dr. Jagjeet Kaur Saluja, Professor, Department of Physics, Govt. V. Y. T. PG College, Durg	31.03.14		Physics	3,90,000/- (2yr)
30	Dr. Anubha S. Gaur, Sr. Lecturer, SOS in Physics, Pt. Ravishankar Shukla University, Raipur	31.03.14	Studies on the persistent luminescence behaviour of rare earth doped strontium aluminosilicate phosphors (Sr-Al-	Physics	4,65,000/- (2yr)

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			Si-O system		
31	Dr. Ravi Sharma, Head, Department of Physics, Arts & Commerce College devendra Nagar, Raipur (CG)	31.03.14	Studies on the optical properties of CdSe nanoparticles	Physics	5,00,000/- (2yr)
32	Dr. (Mrs.) Nameeta Brahme, Professor, SOS in Physics, Pt. Ravishankar Shukla University, Raipur	31.03.14	Rare earth doped calcium alumino silicate nano/micro phosphors: synthesis, characterization and device prospects	Physics	5,00,000/- (2yr)
33	Dr. R. C. Agrawal, Professor & Head, SOS in Physics, Pt. Ravishankar Shukla University, Raipur (CG)	31.03.14	Effect of high energy ball-milling and study of nano- ionic effect in dry polymer electrolytes	Physics	5,00,000/- (2yr)