

**SCHOOL OF STUDIES IN BIOTECHNOLOGY,
PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR CG**

**Faculties of this School are Competent to Undertake below Jobs/ Provide
Consultancies and Services on following the theme**

SN.	Theme	Analysis Available
1	Identification of Microbes	<ol style="list-style-type: none"> 1. Identification of Bacterium on the basis of Literature 2. Fungus on the basis of Literature 3. Mushroom on the basis of Literature 4. Provide services for microphotography (both still and video).
2	Antimicrobial Testing	<ol style="list-style-type: none"> 1. Plant-based products or other agents for uses as antiseptic, antibiotic or disinfectant, 2. <i>In vitro</i> screening by using microbial (pathogen and non-pathogens) test organisms. 3. By Disk diffusion and 4. Minimal Inhibitory Concentration (MIC) methods.
3	Molecular Studies	Genetic fidelity assessment of plant samples.
4	Plant Tissue Culture (Training & Techniques developments)	<ol style="list-style-type: none"> 1. Offers Training and skill development for <i>in vitro</i> propagation, 2. Provide technical support for the commercial interested plants cultivation
5	Tissue Culture Plants Development (On-demand basis)	<ol style="list-style-type: none"> 1. Competent to raise plant tissue culture based quality planting materials of both Banana and Sugarcane, and 2. Seedlings of Papaya, in large scale.
5	Establishment of Plant tissue culture Laboratory	<ol style="list-style-type: none"> 1. Planning, monitoring, and the establishment of a commercial plant tissue culture laboratory and 2. Other components of it such as the greenhouse, poly house, etc.
6	Mushroom Production Laboratory	<ol style="list-style-type: none"> 1. Develop and the establishment of a commercial mushroom production laboratory, including 2. Planning, monitoring and Provide technical support.
7	Water Quality Analysis (Pond, River and other resources water)	<ol style="list-style-type: none"> 1. Offers physio-chemical analysis (pH, Acidity, Alkalinity, BOD, DO, COD, Turbidity, etc.) and 2. Biochemical analysis (MPN Count, CFU, Microbial flora, etc.)

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8	Soil Analysis	1. Provide Soil analysis facility (physio-chemical) (pH, Acidity, Alkalinity, Temperature, Conductivity, TDS, Organic matter, Water content etc.) and 2. Microbial assay (Microbial flora determination) etc.
9	Aerobiological Study	Aerobiological study including Indoor, outdoor, air quality etc.
10	Biological Statistical Analysis	1. The research output data is analyzed by available statistical software including (SPSS) etc. 2. Data presentation for thesis/dissertation or desired Research Publication.
11	Project/Dissertation work for B.Sc./M.Sc. (up to 1 to 6 months)	1. Short duration Project Programme (up to 1 to 6 months) for B.Sc. / M. Sc. Biotechnology and allied Life Sciences students. 2. Also, offer Short term on demand training on some specific subject
12	Project Preparation: Project Design and development, as per required.	1. Assisting and supporting for Project Design, Preparation and flow of Submission Process. 2. The facilities available for Government body or Institutions, agency as well as NGO etc.

Contact us

Head

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