

Illustrative List of Subject Areas for the consideration of the Project Proposal

1. AGRICULTURE & ALLIED AREAS

- 1.1 Field Crop
- 1.2 Horticulture & Plantation Crops
- 1.3 Forestry Species, Fuel Fodder, Biomass
- 1.4 Plant Molecular Biology
- 1.5 Biological Control of Plant Pests, Diseases and Weeds
- 1.6 Biofertilizers
- 1.7 Medicinal and Aromatic Plants
- 1.8 Seri-Biotechnology / Sericulture – host plants
- 1.9 Tissue Culture Plants
- 1.10 Biodiversity Conservation & Bioprospecting
- 1.11 Any other (Please specify)

2. MEDICAL SCIENCES & ALLIED AREAS

- 2.1 Neurosciences & Neurobiology
- 2.2 Infectious Diseases of Humans
- 2.3 Non-infectious Diseases of Humans
- 2.4 Immunobiology
- 2.5 Human Genetics/ Genome Analysis
- 2.6 Bio-Medical Instrumentation
- 2.7 Therapeutics & Posology
- 2.8 Vaccines & Diagnostics
- 2.9 Any other (Please specify)

3. ENVIRONMENT

- 3.1 Plant Biodiversity
- 3.2 Microbial Biodiversity
- 3.3 Pollution Management
- 3.4 Bioremediation
- 3.5 Afforestation & Conservation
- 3.6 Any Other (Please specify)

4. ANIMAL SCIENCES

- 4.1 Breeding, Embryo transfer and related areas
- 4.2 Genetic enhancement, transgenics
- 4.3 Diagnostics & Vaccines (improved & recombinant)
- 4.4 Zoonotic diseases
- 4.5 Immunobiology

- 4.6 Feed and Nutrition
- 4.7 Any Other (*Please specify*)

5. AQUACULTURE

- 5.1 Breeding & Genetic Enhancement
- 5.2 Feed, nutrition, probiotics
- 5.3 Culture/hatchery technologies in new and non-traditional species
- 5.4 Vaccines, immunostimulants, diagnostics
- 5.5 Genomics, genes of interest
- 5.6 Frontline Demonstration, Rural development
- 5.7 Any Other (*Please specify*)

6. MARINE SCIENCES

- 6.1 Marine species other than Fish
- 6.2 Marine Microbiology/ flora & fauna
- 6.3 Extremophilic Organisms
- 6.4 Genomics, genes of interest
- 6.5 Any other(*Please specify*)

7. INDUSTRIAL APPLICATIONS

- 7.1 Microbiology/ Strain Improvement
- 7.2 Industrial Products/ Bio-Process Optimisation & scale-up
- 7.3 Biogeo-technology/Biodegradation/Bio-leaching
- 7.4 Theoretical/ Mathematical modeling of Industrial processes.
- 7.5 Biotechnology Parks
- 7.6 Any Other (*Please specify*)

8. FOOD SCIENCES

- 8.1 Food Processing/ Packaging/ Preservation etc.
- 8.2 Food Additives /Ingredients
- 8.3 Food-borne diseases/ Diagnostics
- 8.4 Quality Control/Assay Systems
- 8.5 Food Safety
- 8.6 Any other(*Please specify*)

9. **BASIC RESEARCH** (Please indicate subject area/keywords)
10. **BIOINFORMATICS, BIOCOMPUTING, STRUCTURAL/THEORETICAL BIOLOGY, DATABASE DEVELOPMENT, ALGORITHMS / SOFTWARE DEVELOPMENT, COMPUTER APPLICATIONS FOR GENOMICS/ PROTEOMICS ETC.** (Please indicate subject area / keywords)
11. **BIOTECHNOLOGY & SOCIETY**
 - 11.1 SC/ST or Weaker Sections
 - 11.2 Women Oriented
 - 11.3 Rural Development
 - 11.4 Biovillage,
 - 11.5 Any Other (Please specify)