

Government of India
Department of Biotechnology
Ministry of Science & Technology

The Department of Biotechnology is supporting a number of R&D projects to develop ecofriendly, economically viable technologies for industrial effluent treatment, restoration of degraded ecosystems, wastelands, etc. The priority areas in Environmental Biotechnology have been identified in consultation with experts and are given below:

1. *Ex situ* conservation of biodiversity; characterization of biodiversity using the tools of biotechnology, bioindicators and biomonitors.
2. Restoration of degraded ecosystems, water bodies.
3. Detection, monitoring and amelioration of pollution utilizing biotechnological means.
4. Waste management.
5. Treatment of industrial effluents (e.g. distillery, electroplating, heavy metal, oil refineries, paper and pulp, pesticide manufacturing, pharmaceutical, tannery, textile and dyeing); metabolic engineering.
6. Production of fuels (e.g. hydrogen, methane, etc.) from waste.
7. Environmental genomics.
8. Biodegradable substitutes (dyes, plastics, etc.)
9. Environmental impact assessment of contaminants, genetically modified organisms, evaluation of toxicity.

General guidelines

- (a) Proposals should involve the tools and techniques of biotechnology.
- (b) Proposals with active financial contribution and collaboration from the industry would be given priority.

The Department invites R&D proposals from experts in research institutions, universities, NGOs, etc. in the above priority areas. Twenty copies of the proposals as per DBT format (downloading from DBT website www.dbtindia.org, www.dbtindia.nic.in) may be submitted to Project Registry Cell, Department of Biotechnology, Block 2, 6-8th Floor, CGO Complex, Lodi Road, New Delhi 110 003 (kind attention: Dr. Suman Govil, Director, Department of Biotechnology). The proposals will be peer reviewed by the experts and evaluated by the task force in environmental biotechnology.