

**Government of India
Department of Biotechnology
Ministry of Science and Technology**

Call for Project Proposals

The Department of Biotechnology, as a nodal funding agency, invites proposals from Individuals/Institutions – either independent or joint multicentric in nature – for pursuing R&D work leading towards product and process development in various disciplines of marine biotechnology on the following specific areas:

1. Structural and functional genomics related to indigenous estuarine and marine fish; indigenous species of marine organisms; marine extremophilic microbes and archeobacteria; novel genes from marine organisms/species; biochemical pathways for synthesis of bioactive compounds in marine organisms, etc.
2. Marine extremophiles.
3. Marine pharmaceuticals; expression of novel genes coding for bioactive macromolecules of therapeutic and industrial applications; immuno-modulators and hormones; cell cycle regulators; enzyme inhibitors and nutraceuticals.
4. Marine biomaterials; bio-adhesives; bio-flocculent; bio-surfactants; medical implants; biopolymers and bioplastics.
5. Novel enzymes.
6. Bioremediation using aromatic hydrocarbon degradation; bioleaching and biosorption; xenobiotics degradation and anti-corrosive/antifouling principles from marine organism.
7. Development of diagnostics kits and recombinant vaccines for disease management in aquaculture.
8. Development of cell and tissue culture system for cultivable organisms, including seaweeds and invertebrates.
9. Fish transgenics.
10. Deep-sea microbes.

20 copies of the proposal in prescribed format may be directly submitted at the earliest to this Department. Attention: Dr. A. S. Ninawe, Director, Department of Biotechnology, Block-2, 7th Floor, CGO Complex, Lodi Road, New Delhi 110 003. Ph: (011) 436 3726 (Direct) Fax: 4362884 e-mail: ninawe@dbt.nic.in. The format can be downloaded from the website www.dbtindia.org. or dbtindia.nic.in.