



सत्यमेव जयते

Department of Biotechnology
Ministry of Science & Technology
Government of India

Call for proposals on 'Forest and Conservation Biotechnology in Protected Areas'

Background: Forests are the world's greatest repository of terrestrial biomass and biodiversity. Forests serve critical ecological services, supporting the preservation of fauna and flora, and water resources. There is an increasing need to develop programme on Forest and Conservation Biotechnology in Protected areas. This programme will address research gaps in ecology, genomics and biotechnology to improve the growth and quality of forest for conservation and suggest ways for sustainable use as well as tools for mitigation of climate change impact.

Purpose: Aiming to take scientific research & demonstration projects on Forest and Conservation Biotechnology in Protected Area Networks, Department of Biotechnology (DBT) invites project proposals built upon innovative ideas on following key aspects:

- a) Studies on impacts of climate change on the forest ecology (like phenological changes, changes in male/ female sex ratio in higher plants, change in reproductive biology of plants) and development of mitigation and adaptation technologies to minimize climate change impact.
- b) Modelling and control of invasive species in protected areas
- c) Technologies for measuring and maintaining ecosystem services from protected areas.
- d) Use of biotechnological approaches on afforestation and regeneration of degraded protected forest area.
- e) Development of technologies for sustainable use of forest resources like NTFPs.

- f) Capacity development and public outreach on importance of biotechnology for protected area forest resources management, diversity and conservation.

Eligibility: Researchers/ Scientists working in the Government Organizations/ Universities/Academic Institutions / National Laboratories / SIRO recognized Non-Profit Organizations, with sound scientific & technical backgrounds and relevant publications in proposed area can submit project proposal applications. Involvement of all relevant stakeholders like State Forest Departments etc. is compulsory. Proposals, which are interdisciplinary and integrative in nature, and focus on a specific area of Forest and Conservation Biotechnology in Protected Areas will be given priority.

Mode of Submission: Interested researchers should submit project proposals online through DBT electronic project management system 'eProMis' (<http://dbtepromis.nic.in/Login.aspx>) under the Programme 'Forest and Conservation Biotechnology in Protected Areas' clearly stating that it is submitted under DBT call for proposal on 'Forest and Conservation Biotechnology in Protected Areas'. Three hard copies of the proposal (One original + 2 copies) should also be submitted by post to Dr. Onkar N. Tiwari, Scientist 'D', Room No. 506, 5th Floor, Block-3, CGO Complex, Lodhi Road, New Delhi- 110003.

Evaluation Criteria: Proposals will be judged based on scientific and technical merit, with emphasis placed on the delivery of a novel technological option at the end of the project period addressing particular issue related to protected forest areas. Department also reserve the right to select or reject the proposal based on the priority and availability of funds.

Contact for further information: Dr. Onkar N. Tiwari, Scientist 'D', DBT, New Delhi: Email ID: onkar.dbt@nic.in; Tel.: +91-11-24361290

Last Date of Project Submission: 15th June, 2018.
