

# IHBT

*Serves the Nation through*



**BIORESOURCE AWARENESS  
REGENERATION  
MANAGEMENT  
SUSTAINABLE USE**



**INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY**

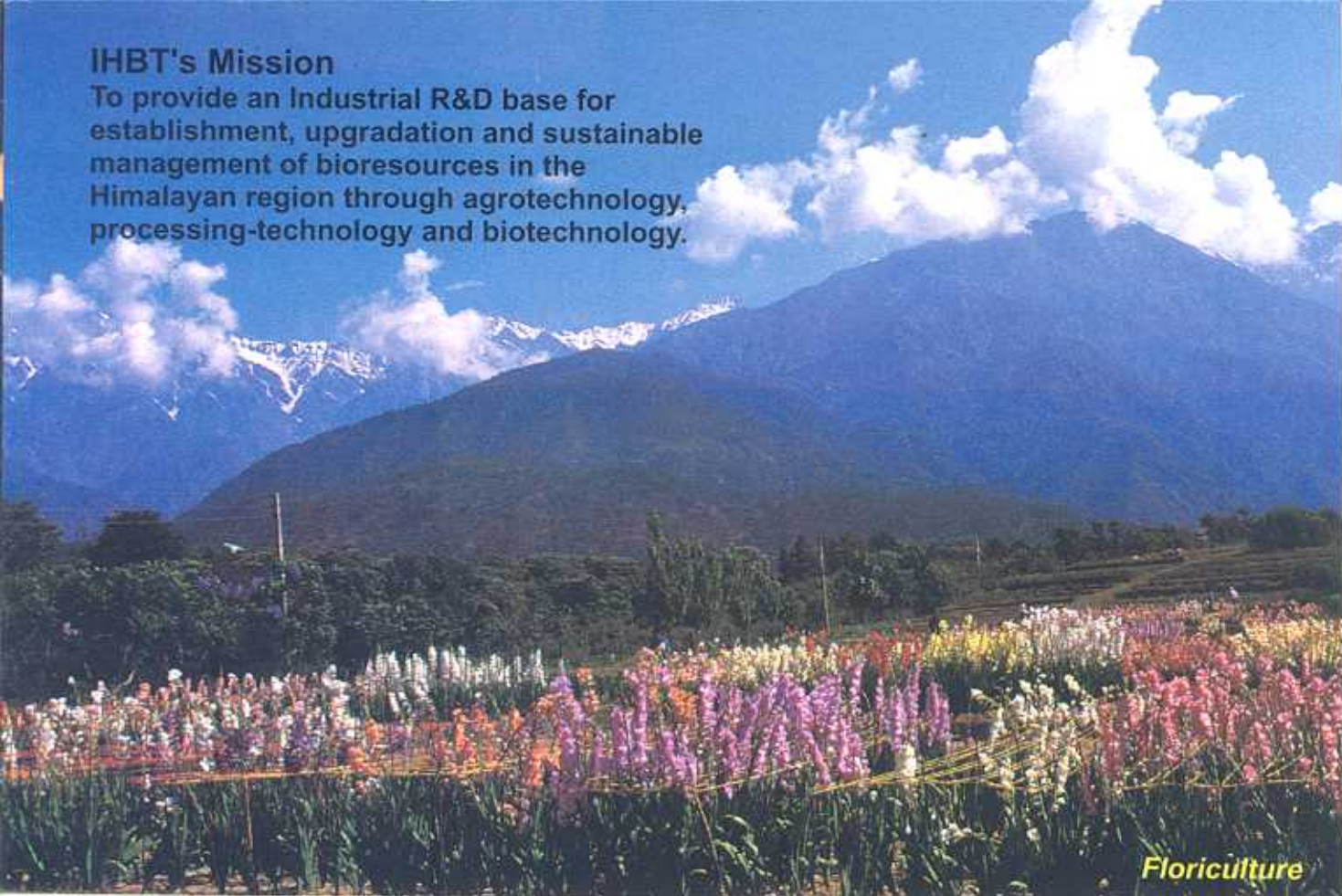
(Council of Scientific and Industrial Research)

Palampur, Post Box No. 6, Himachal Pradesh -176 061, India

Please see us at: <http://w3ihbt.csir.res.in>

## IHBT's Mission

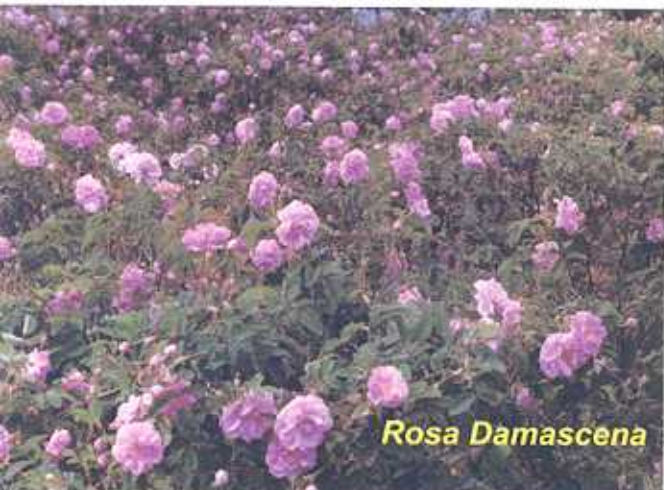
To provide an Industrial R&D base for establishment, upgradation and sustainable management of bioresources in the Himalayan region through agrotechnology, processing-technology and biotechnology.



*Floriculture*



*Tea Mechanisation*



*Rosa Damascena*

## IHBT's Thrust Areas

- Biodiversity conservation.
- Agro-practices for tea, flowers, medicinal and aromatic crops.
- Processing technologies for tea, aromatics, herbals, colours & dyes.
- Bioprospecting microbes/enzymes/ genes and bio-molecules.
- Genomics/Bioinformatics.
- Molecular probes for authentication of medicinal herbs and detection of viruses.
- Characterization, improvement and propagation of selected industrial crops by conventional methods/micropropagation.
- Information, Training and Technology transfer.

**Products:** Edible colours and dyes, essential oils, cold resistant genes, autoclaveable SOD, molecular probes, value added teas and tea wines, pain-ointment and herbal cosmetics.

**Varieties:** Damask Rose - *Himroz, Jwala*;  
Gladiolus - *Palampur Queen, Brick Beauty, Tushar Mauli, Anurag, Palampur Princess, Cute Munni*;  
Wild Tagetes - *Himgold*.

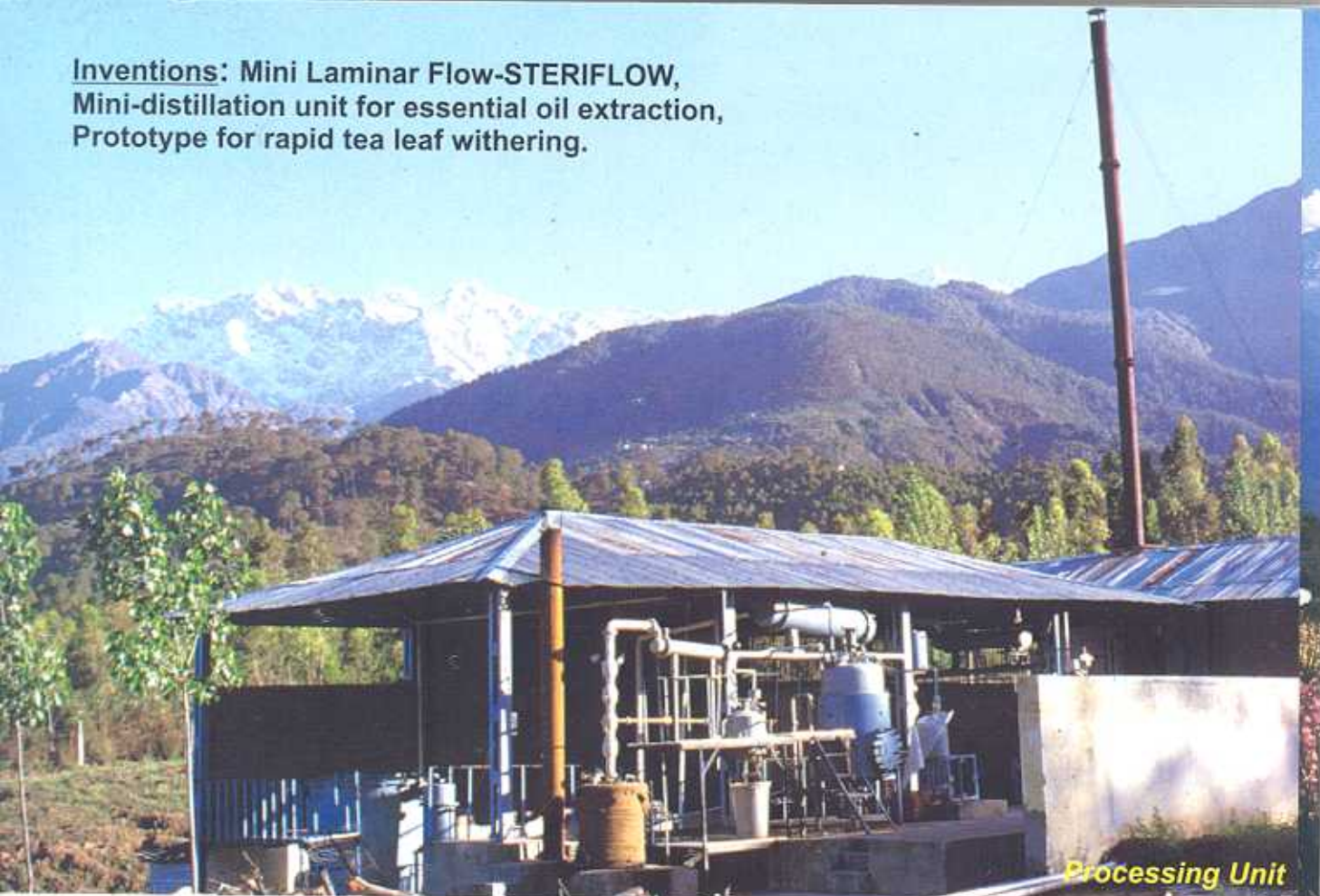
**Training in:** DNA Fingerprinting, Cultivation and processing of medicinal and aromatic crops and tea, Floriculture, Tissue culture, Virus testing, Bioinformatics, IPR.

*Tea Garden*



*Organisational Chart*

**Inventions:** Mini Laminar Flow-STERIFLOW,  
Mini-distillation unit for essential oil extraction,  
Prototype for rapid tea leaf withering.



**Processing Unit**

### **Infrastructure:**

IHBT has the most modern laboratories for work on plant biotechnology, bioinformatics, natural plant products, tea technology and floriculture. There are national facilities for virus testing of floriculture crops, pesticide residue analysis of tea and a regional reference herbarium. Live specimens of the flora are being maintained in a herbal garden. Tea and rose plantations, greenhouses/polyhouses, propagation chambers, a mobile lab, processing plants for essential oils and pilot plant for tea manufacture help in field experiments and demonstrations. A modern library backed up with state of art computer networking is an important asset.

The Institute has 60 scientific and technical personnel, 40 research scholars & project staff, and 40 administrative & supporting staff.



**Green House**



**Culture Room**



The Institute of Himalayan Bioresource Technology, Palampur, is the youngest constituent laboratory of the Council of Scientific & Industrial Research, established in 1983 in the famous Kangra valley. The 250 acre campus is located in the salubrious environs of Palampur (1300 m asl) perched in the lap of the majestic snow clad Dhauladhar ranges of western Himalaya. Work is being done along the value chain from agrotechniques, processing to product development.

The Institute has established important relationships with academic institutions for higher studies and with industries for conducting collaborative research.

The Institute has licensed some important technologies and is serving the hinterland of Himachal Pradesh and adjoining regions.

IHBT's annual budget for 2001-02 from CSIR is c 10 crores. In addition, grants under sponsored projects are obtained from government bodies such as DBT, DST, Min. of Health & FW, DoEn, NHB, Tea Board, DRDO, ICMR, NTRF etc. Funds are also coming from the industries in the pharmaceutical, micropropagation, agro-chemicals and tea sectors.





**Orchids**

IHBT catalyses growth in Agriculture, Horticulture and Forestry through development of:

- Colours and Dyes
- Tannins and Flavours
- Foods & Beverages
- Drugs & Pharmaceuticals
- Essential Oils/Flavours
- Herbal Products
- Floriculture
- Plant Biotechnology
- Fuel & Fodder

IHBT also serves through:

- Technology Transfer/Consultancy
- Collaborative Research
- Turnkey Ventures
- Information Services/Databases
- Pesticides' Residue Analysis
- Plant Virus Testing
- Quality Planting Material
- Chemical Analysis
- Training and HRD

**Contact Person  
Director**

**Institute of Himalayan Bioresource Technology  
(Council) of Scientific & Industrial Research  
Post Box No. 6, Palampur- 176 061 (HP)  
Phone: (91-01894) 30411  
Fax: (91-01894) 30433  
E-Mail: [director@ihbt.csir.res.in](mailto:director@ihbt.csir.res.in)  
Web site : <http://w3ihbt.csir.res.in>**