

**HARYANA STATE COUNCIL FOR SCIENCE &  
TECHNOLOGY (HSCST)**

**congratulates the people on  
the occasion of Independence Day  
&**

**invites** Research & Development project proposals for carrying out research in the following broad areas: Bio-technology, Health, Food Processing, Waste Management, Environment and Energy & other emerging areas. **The proposals should have a direct impact on the daily life of people or have an immediate benefit to the society.** The proposals should be submitted through recognised universities/institutes of Haryana State. Applicants can download the details of above mentioned areas and guidelines/format for submission of project proposals from the website [dstharyana.org](http://dstharyana.org) & send their proposals along with a demand draft amounting to Rs.200/- (Rs.Two hundred only) in favour of Secretary/EC, Haryana State Council for Science & Technology payable at Chandigarh or on cash payment in the office of HSCST, Bays No.35-38, Sector-2, Panchkula. The proposals should be submitted to HSCST within one month of the publication.

**Secretary/EC**

## **Details of areas**

### **1. Biotechnology**

- Conservation of germ plasm of endangered/special species of plants.
- Promotion of Bio-Nanotechnology and its application.
- Promotion of rural and conventional Biotechnology.
- Tissue culture of datepalm, mehndi, jojoba etc.
- Promotion of Nutraceuticals.
- Cataloguing the genetic diversity among plants, microbes and animals
- Screening of Indian herbs for potential therapeutic use like anti viral and anticancer.
- Survey of Haryana for ascertaining the infection rate of Hepatitis B & C and liver cancer deaths.
- Bioremediation
- Promotion & popularisation of Bio-pesticides and Bio-fertilizers.
- Projects on Nanotechnology
- Biogeography

### **2. Health**

- Production of diagnostic and testing kits.
- Promotion of telemedicine's through mobile/STD booths.
- Genomics basic information/promotion in colleges.
- Development of rapid diagnostic kits for detection of adulterants/micro-organisms/toxins/chemical residues in foods, milk & milk products, cereal products, animal feeds etc.

### **3. Food Processing**

- Food Processing, fortification, preservation, transportation and general health foods.

### **4. Waste Management**

- Waste Management.
- Post harvest management practices, checking of waste.

### **5. Environment & Energy**

- Conservation of water through water harvesting, recycling, remediation and water quality management. Double flush system may be made compulsory.
- Environment impact assessment (includes total energy and environment).
- Energy audit of industry, buildings etc. and energy conservation, standardisation of equipments to save energy.
- Fly ash utilisation techniques for specific product developments.

- Popularising effective air-cooling system for houses without the use of power supply.
- Solutions for harmful effects of burning wheat stubble, paddy straw in open fields.

**6. Other emerging areas**

- Nanotechnology
- Technology for the promotion of sports.
- Summer internship at labs to science toppers.
- Setting up of Herbal Park.
- Training and extension programmes on new and emerging technologies and Science competition/Olympiads.
- Government-Industry – Institute linkage on exchange basis.
- Integrated planning for roads.
- Plantation of Jatropha besides railways tracks and roads.
- Promotion of Science and Technology for physically challenged.
- Remote sensing and GIS application for the benefit of the State.
- Earth Sciences