

**DEPARTMENT OF BIOTECHNOLOGY
MINISTRY OF SCIENCE AND TECHNOLOGY
Block-2, CGO Complex, Lodhi Road, New Delhi 110 003**

**CALL FOR PROPOSALS ON APPLICATION OF
MODERN BIOTECHNOLOGICAL TOOLS IN CROP IMPROVEMENT**

Plant biotechnology has made significant strides in the past two decades encompassing within its fold the spectacular developments in plant molecular biology and genetic engineering. Agriculture being the basic life-sustaining activity of human society, assumes tremendous importance vis-a-vis biotechnology. Many of the agricultural inputs and processes that have been proved to be harmful over the past few decades need to be phased out to preserve the ecological balance, environmental health and natural resources. Biotechnology and genetic engineering of plants will play a crucial role in this area. In an effort aimed at the application of modern biotechnological tools to crop improvement, the **Department of Biotechnology, Govt. of India** is inviting research project proposals from Universities, Public and Private Research Institutes and Non-profit Organizations in the country. In particular, project proposals aimed at the enhancement of productivity of **pulses, oilseeds, fibre and fodder crops** through application of biotechnological tools will be considered and priority for funding will be given to those projects leading to product delivery. Projects will also be considered on improving the nutritional quality of food and forage crops. Scientists working for isolation of novel genes of agricultural importance, development of transformation protocols and transgenic crops for the expression of desired traits and utilization of marker aided selection in crop breeding and those having expertise in the respective areas as evident from the publications in high impact factor journals in the past five years may apply. The project proposals should address major problems currently limiting productivity of the aforementioned priority crops and devise strategies to achieve the goals within three to five years. Proposals on minor crops under the group 'oilseeds and pulses' with nutritional and market value may also be submitted. Desirous persons/organizations may submit 20 copies of the proposal duly signed and stamped at relevant places in the prescribed format (downloadable from our web site: <http://dbtindia.nic.in/proposals/proposalmain.html>) by **15th April, 2007** to **Dr R. R. Sinha, Adviser, Department of Biotechnology, Block-2, 6th Floor, CGO Complex, Lodhi Road, New Delhi 110 003** for consideration of the Department. It may be kept in mind while submitting proposals that proposals having high scientific merit and which will lead to product and process development will be considered after getting them peer reviewed. The Department of Biotechnology encourages joint proposals from persons with proven research capabilities and involving multiple institutions with clear complementation of activities. The scientists/institutions who have already submitted their proposals earlier in the above mentioned areas generated through brain storming sessions/meetings organized by DBT, need not submit the proposals again.



**INDIAN INSTITUTE OF SCIENCE
BANGALORE**

IISc Young Engineering Fellowship Programme (2007)

Applications are invited from eligible candidates for IISc Young Engineering Fellowship Programme –2007.

IISc Young Engineering Fellowship Programme (YEFP) is designed to enhance awareness and interest FOR high quality academic research among young engineering students through a goal oriented summer mini-project to be undertaken at IISc during May–July 2007.

Only candidates pursuing III year of B.E./B.Tech. or equivalent degree with outstanding academic background in terms of high ranks in University examinations, papers presented at seminars, projects executed, design contests participated, score/rank in Mathematics Olympiad and any other awards/distinctions obtained in allied examinations, are encouraged to apply.

For further details regarding submission of application (online or by post), financial assistance, areas for project work, etc. please visit web site <http://www.iisc.ernet.in/yeftp>.

Last date for submitting filled in application is: **12 March 2007.**