



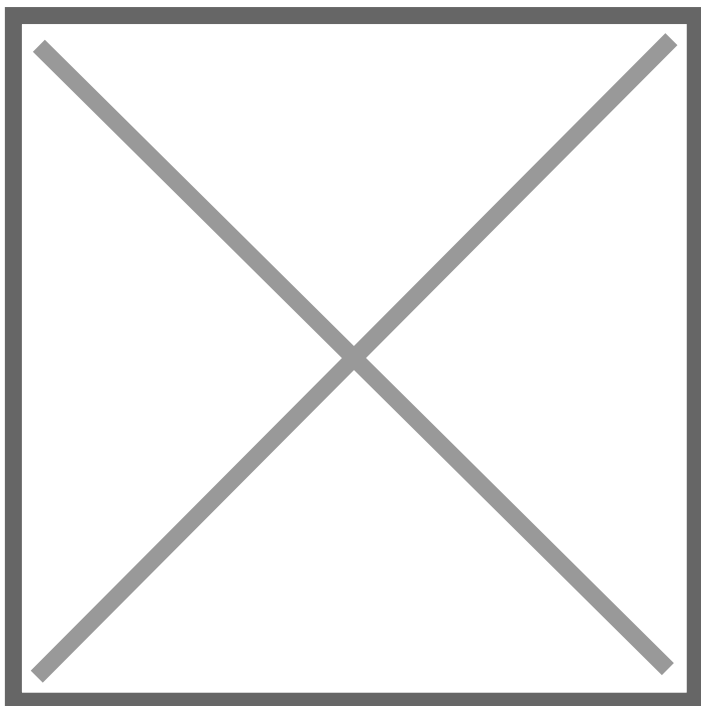
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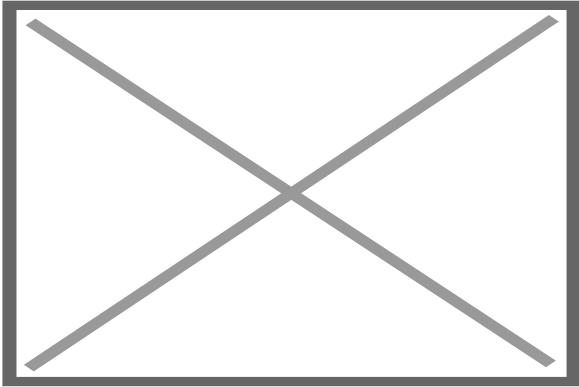
05 August 2010 | News



11

MS Baroda University

Department of Microbiology and Biotechnology

Name of the Department: Department of Microbiology and Biotechnology	
Courses: BTech, MSc, Post MSc Diploma and Phd in biotechnology	
Coordinator: Prof BB Chattoo (Head)	
Address: Faculty of Science, Maharaja Sayajirao University of Baroda, Baroda-390002, Gujarat	
Tel: +91-265-2794396 Fax: +91-265-2792508	
Website: www.bcmsu.ac.in/index.htm	

Maharaja Sayajirao University of Baroda's Department of Microbiology and Biotechnology was started in 1964, and since 1985, it offers MSc biotechnology course in addition to the master's course in microbiology.

The post MSc diploma in genetic engineering and bioprocess development has been recently initiated, and is a specialized one year course with a total intake of 10 students. According to Prof Bharat Bhushan Chattoo, coordinator, Department of Microbiology and Biotechnology Center, there are many people from the industry applying for this course and half of the seats for this course are industry sponsored.

Courses for the department, at regular intervals, are devised and introduced by a board of members, drawn both from the academia as well as from the industry. This keeps the department in tune with the trends and demands of the time.

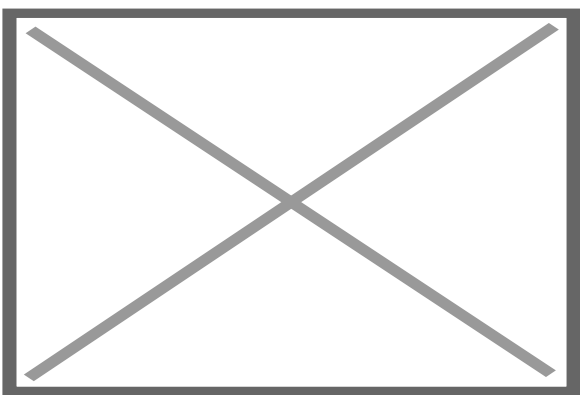
The program begins with a fundamental courses in biochemistry, genetics, microbiology and molecular biology and then proceed to a thorough study of their selected area of specialization. Students are also given basic training in developmental biology, genetic engineering, biochemical engineering and some aspects of biophysics, biostatistics and environmental

biology.

The biotechnology training program was started with support from NBTB (DBT) and UGC. In 2003, the department had produced 90 PhDs and a large number of research papers are regularly published in journals of international repute.

12

University of Jammu Department of Biotechnology

Name of the Department: Department of Biotechnology	
Courses: MSc and PhD in biotechnology	
Coordinator: Dr Manoj K Dhar	
Address: Dr BR Ambedkar Road, Jammu-180006, Jammu & Kashmir	
Tel: +91-191-2456534 Fax: +91-191-2456534	
Email: manojdhar@jammuuniversity.in	
Website: www.jammuuniversity.in	

The Department of Biotechnology at the University of Jammu was established in December 1998 with major funding from the DBT. Admission to the university that offers MSc and MTech in biotechnology is made through the national JNU entrance test. The first batch of students was admitted in August 1999. Out of the 80-odd post-graduate students produced by the department, most of them have opted for higher studies and few have joined the industry.

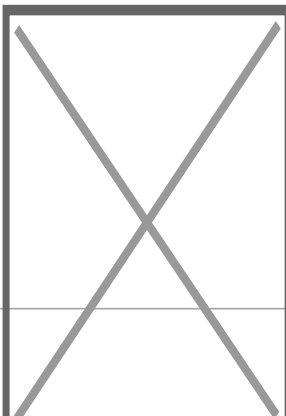
The students have also been selected for PhD programs of reputed research institutes namely IISc, CCMB, NII and NBRC. The department has developed a well-knit course curriculum to help students to gain placements in research institutions of international repute. The department has also been selected for FIST grants by the Department of Science and Technology, Government of India.

In total there are 12 labs in the department, out of which, five research labs are fitted with world-class laboratory tables with on-table facility for gas, vacuum and power. There is one plant tissue culture lab, two core instrumentation facilities, three labs for MSc students and a bioinformatics lab. The school of biotechnology houses fully-developed laboratories, radioactivity facility, in-situ hybridization facility, and cell culture facility. The department also subscribes eight international journals.

The department has published 38 research papers in the national journals and 25 research papers have found place in the international journals.

13

University of Pune Department of Biotechnology

Name of Department: Department of Biotechnology	
Coordinator: Prof Jayanta Kumar Pal (Head)	
Courses: BTech, MSc and PhD courses in biotechnology	
Address: Department of Biotechnology, University of Pune, Pune-411007, Maharashtra	

Tel: +91-20-25694952

Fax: +91-20-25691821

Email: jkpal@unipune.ac.in

Website:

www.unipune.ac.in/academics/department/biotechnology

The Department of Biotechnology at the University of Pune has many laurels to its credit and has been ranked No.13 in BioSpectrum BT School Survey 2010. Presently, there are three full-time faculty members who have a teaching experience of more than five years, with all three members being PhD holders. There are 30 visiting faculty members, out of which, 25 members have an experience of more than five years. Five members from the visiting faculty group have been drawn from the industry.

Between June 2007 and May 2010, there were 14 research papers published in international journals while two in national journals. Total value of government-sponsored projects commissioned during this period amounted to ₹1.5 crore.

The department has altogether five labs with each having the capacity to accommodate 25 students. In terms of infrastructure and upgradation, the department made significant investments over the past one year. The University of Pune and UGC have sanctioned ₹3 crore for a new building for biotechnology department. The department also received ₹10 lakh for infrastructure development from DST. It procured a number of modern sophisticated equipment (real-time PCR, HPLC, 2-D PAGE system) worth ₹1.3 crore from the University of Pune and the DBT.

The total capital expenditure incurred on subscribing biotech-related books was ₹1.5 lakh, while for journals it was ₹1 lakh. The department has purchased about ₹80 lakh worth laboratory equipments and ₹25 lakh worth consumables, like reagents and biologicals, during 2009-10.

14

University of Burdwan

Department of Biotechnology

Name of the Department: Department of Biotechnology

Courses: M.Sc and PhD in Biotechnology

Coordinator: Dr Pranab Roy

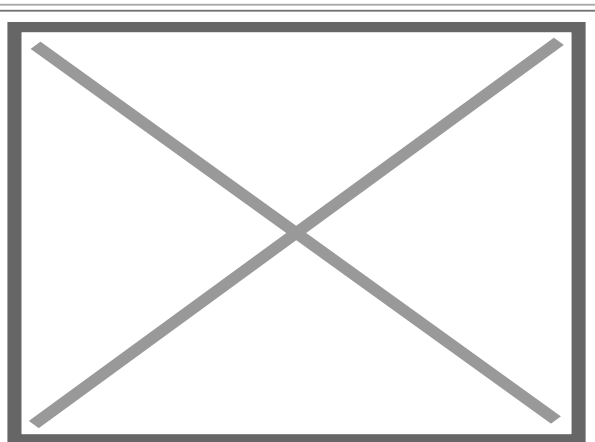
Address: Golapbag, Burdwan, West Bengal, 713104

Tel : +91-342-22657231

Fax : +91-342-2530452

Email: pranabroy@rediffmail.com

Website: www.buruniv.ac.in



The University of Burdwan, which was awarded four-star status by the National Assessment and Accreditation Council, is considered one of the best universities in West Bengal.

The post-graduate Department of Biotechnology at the University of Burdwan was established in 2003 with the financial assistance from an NRI, Dr Asish Kumar Mandal who donated two endowment chairs in the memory of his late parents, one for professor in biotechnology and another for senior research fellow. Since 2006, the department is supported by the DBT.

The department offers a two-year MSc biotechnology course for which the students are selected both by the department as well as by the All India Combined Biotechnology Entrance Examination, conducted by JNU, New Delhi.

The department has a specialized laboratory for molecular biology, microbiology, tissue culture, protein chemistry, computer and bioinformatics, apart from two general labs for doing routine practical studies as well as research work.

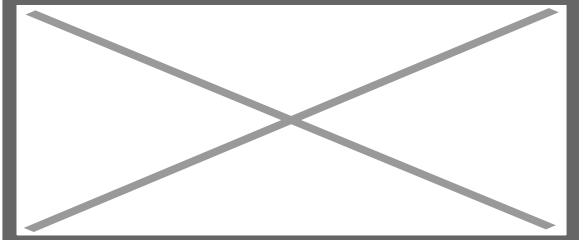
Other than round-the-clock internet facility, the department has a library with approximately 600 biotechnology-related books.

So far, the department of biotechnology has published nine research papers in international journals and four research papers in national journals. The students graduating from the department have been placed all over India in national labs like NII, IITs

IISER, IICB and also in various US universities. **15**

Shivaji University

Department of Biotechnology

Name of the Dept: Department of Biotechnology	
Courses: BTech, MSc and PhD courses in Biotechnology	
Coordinator: Dr Jyoti Prafull Jadhav (Head)	
Address: Department of biotechnology, Shivaji University, Vidyanagar, Kolhapur-416004, Maharashtra	
Tel: +91-231-2609365 Fax: +91-231-2691533	
Website: www.unishivaji.ac.in	

Shivaji University was established in 1962. It has about 2,00,000 students studying in 225 affiliated colleges and recognized institutes. The university's department of biotechnology was established in 2003 and it offers BTech, MSc and PhD courses.

Between June 2007 and March 2010, two research papers from the department have appeared in national journals, while 15 papers were published in international journals. There are 20 visiting faculty members with four members selected from the industry. The department focuses on researches in areas such as microbial biotransformation, plant biotechnology, environmental biotechnology, molecular biotechnology and bioinformatics.

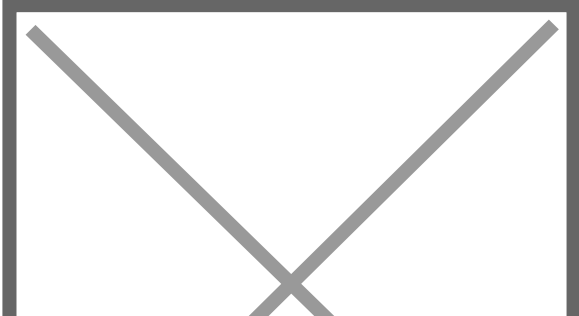
The department also has interdepartmental collaboration with department of biochemistry, microbiology, botany and zoology for teaching as well as research.

Subject specializations offered to students include environmental biotechnology, plant biotechnology, and bioinformatics.

16

Cochin University of Science and Technology

Department of Biotechnology

Name of the Department: Department of Biotechnology	
Courses: BTech, MSc and PhD in biotechnology	
Head: Dr CS Paulose	

Address: Cochin University of Science and Technology, Cochin-682022, Kerala

Tel: +91-484-2576267

Fax: +91-484-2576267

Website: www.cusat.ac.in

The mandate of the Department of Biotechnology at Cochin University of Science and Technology is to train human resources in biotechnology to cater to the needs of the nation in harnessing the vast biodiversity and to promote bioindustries in the country. Research activities of the department are presently centered around areas such as microbial technology, medical biochemistry, genetic engineering, molecular neurobiology, cell biology and plant biotechnology. The research students of the university generally get absorbed as scientists in different national and international laboratories.

On an average, about 60 percent of the MSc students from the university clear the NET and 80 percent pass the GATE. Thirty one students have so far taken their doctoral degrees from the department, which has also about 88 scientific publication in national and international journals to its credit between 2007 and 2010. The department has seven labs dedicated to biotech students. It has invested approx ₹9 lakh on books and lab equipments in 2009.

17

University School of Sciences, Gujarat University

Department of Biotechnology

Department: Department of Biotechnology

Head: Dr Shailesh R Dave

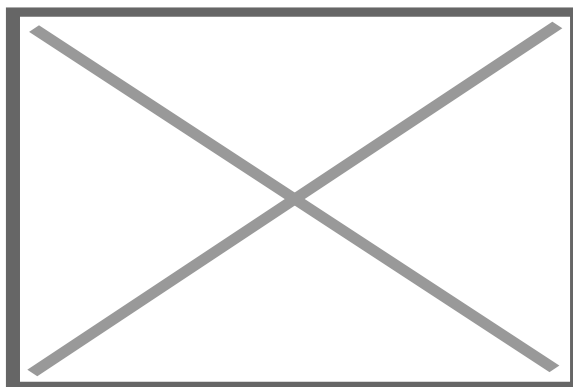
Address: Department of Biotechnology, University School of Sciences, Gujarat University, Navrangpura, Ahmedabad, Gujarat

Tel: +91-79-26303225

Fax: +91-79-26303225

Website:

www.gujaratuniversity.org.in/web/index.asp



The Department of Biotechnology at Gujarat University is engaged in research work and has completed many projects funded by both government as well as industries. Between June 2007 and May 2010, the department has published six papers in national journals and eight in international journals. Total value of new industry-sponsored projects commissioned between June 2007 and May 2010 amounted to ₹45 lakh, while the total value of government-sponsored projects commissioned during the period was ₹21 lakh.

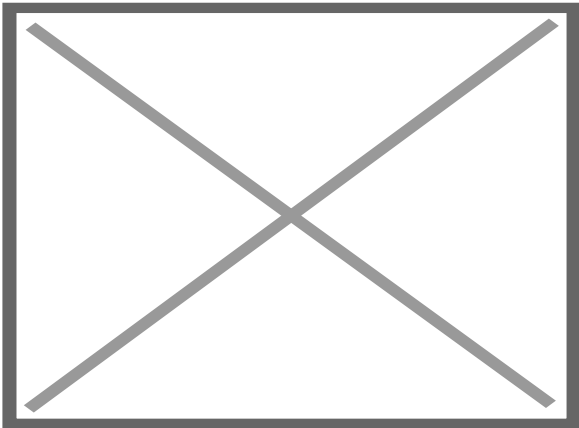
The department houses two labs with each lab having a capacity to accommodate 25 students. The library is equipped with more than 750 books apart from the books available in the central library of the university.

In terms of total capital expenditure, between June 2007 and May 2010, the total cost on subscribing biotech-related books was ₹1 lakh. During the same period, the cost incurred on laboratory equipments came up to ₹1 lakh while cost of consumables like reagents and biologicals amounted to ₹3 lakh.

18

Kumaun University

Department of Biotechnology

Name of the Department : Department of Biotechnology	
Courses: MSc in Biotechnology	
Coordinator: Dr Veena Pande	
Address: Department of Biotechnology, Kumaun University, Bhimtal Campus, Bhimtal-263136, Uttarakhand	
Tel: +91-5942-248185 Fax: +91-5942-248042	
Email: veena_biotech@rediffmail.com	
Website: www.kubic.nic.in	

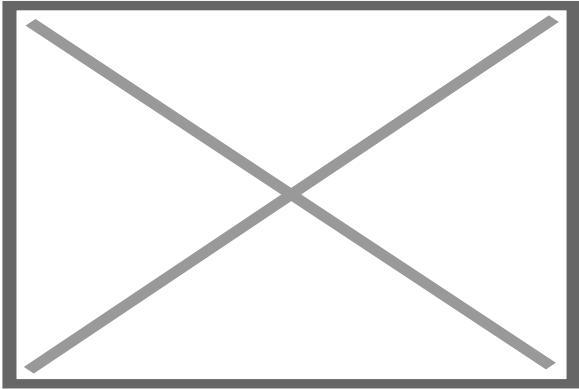
The Department of Biotechnology at Kumaun University was established in 2000, with the support of the Department of Biotechnology, Government of India, and has since then developed as an important academic center in Uttarakhand. The activities of the department are focused on quality teaching program at MSc and PhD levels including the execution of major research projects in selected areas. Present intake for MSc is 21 and the admissions are based on the all India entrance examination conducted by JNU.

The department has well-equipped labs for biochemistry, microbiology, molecular biology and plant physiology research. The department has also signed MoUs with most of the ICAR and CSIR institutes of the region for networking projects, use of each others lab facilities and registering their research fellows for PhD.

Since 2003, 18 research papers from the department were published in national journals and 10 research papers have featured in international journals.

19

Guru Ghasidas Vishwavidyalaya Department of Biotechnology

Name of the Department: School of Biotechnology	
Courses: Integrated UG/PG in biotechnology, MSc and PhD in biotechnology	
Head: Dr Bhupendra N Tiwary	
Address: Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur-495009, Chhattisgarh	
Tel: +91-7752-260405	
Email: biotechggu@yahoo.com	
Website: www.ggu.ac.in	

The thrust areas of research at the School of Biotechnology are microbial bioremediation of toxic heavy metals and organic pollutants in addition to the search for novel bioactive compounds from microbial resources.

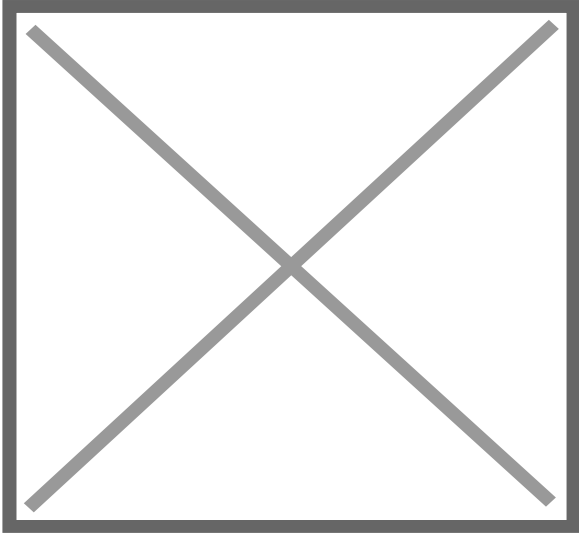
According to Dr BN Tiwary, professor and head of the biotech department, the institute is working in active collaboration with IARI, IMTECH (Chandigarh) and is in process of collaborating with corporate houses in designing the course structure as per the market demand for biotech products. Between June 2007 and May 2010, three research papers were published in national journals, while two were published in international journals. Total value of government-sponsored projects commissioned during this period was ₹2 lakh.

Till date, 12 batches of students have successfully passed their MSc examinations. The School of Biotechnology regularly organizes short-term training courses, regional and national workshops and seminars.

20

Himachal Pradesh University

Department of Biotechnology

Name of the Department: Department of Biotechnology	
Courses : MSc and PhD in Biotechnology	
Coordinator: Prof Duni Chand	
Address: Himachal Pradesh University, Summer Hill, Shimla-171005, Himachal Pradesh	
Tel : +91-177-2830946 Fax : +91-177-2830775	
Email: dunichand_2000@yahoo.com	
Website: www.hpuniv.nic.in/biotech.htm	

The Department of Biotechnology at Himachal Pradesh University was established in 1995 with major funding from state government and the Department of Biotechnology, Government of India. The department has all the major equipments needed for carrying out the experiments in biotechnology. These include the incubators, HPLC, fermenters, spectrophotometers, centrifuges, electrophoresis system and many other major equipments for the hands-on experience and the exposure to the students. Apart from regular courses, the department also offers short-term training for students from other institutions on payment basis. It has procured a total of 572 books based on different areas of biotechnology out of the DBT and UGC grants.

With a faculty strength of six, the department is having collaboration with many national institutes such as Central Potato Research Institute, Shimla; Indira Gandhi Medical College, Shimla; Institute of Himalayan Bioresource Technology, Palampur; IMTECH, Chandigarh; and Jawaharlal Nehru University, New Delhi.