

Jawaharlal Nehru University, Center for Biotechnology, Delhi

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Jawaharlal Nehru University, Center for Biotechnology, Delhi

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Website: <http://www.jnu.ac.in/>

The Center of Biotechnology (CBT) at JNU undoubtedly runs one of the finest masters degree programs in biotechnology. The CBT was established in 1985 under joint sponsorship of the UGC and the DBT. And in the same year the Master of Science program in Biotechnology was started. The Center has established a very successful MSc biotech program, which selects the best of the students from the merit list prepared on the basis of an All India Entrance Test conducted by JNU. Analysis of the merit list indicates that during the past five years about 50-60 percent of the students from the top 100 give their first preference to JNU. But only 20-25 students are taken every year from the top on the basis of their preference. Till now most of the MSc students have gone to do research in different institutions in the country and abroad. Very few students have taken up jobs in the industry. Though the biotech industry is very keen to give jobs to the students and campus placements camps have been organized by various top notch companies like Panacea Biotech, Reliance Life Sciences and Invitrogen, students prefer to complete their higher education first.

School of Life Sciences, University of Hyderabad

Central University (P.O)
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Website: <http://www.uohyd.ernet.in>

The School of Life Sciences at University of Hyderabad has been established with an objective to teach and conduct research with a multidisciplinary approach. The teaching programs are designed in a such a manner to provide the basic chemical and physical aspects of life as well as to impart information about the new frontier areas of Life Sciences. The School consists of three departments namely, Department of Biochemistry, Department of Plant Sciences and Department of Animal Sciences. Each of these departments offers MSc. and PhD programs of study. In addition, the school also offers a course in MSc. Biotechnology with the combined effort of all the three Departments. The Universities Grants Commission recognized the School of Life Sciences for Special Assistance in the year 1990. The special assistance program has been upgraded at the level of DSA in 1997 for a duration of five years with the following thrust areas for teaching and research: Molecular Biology and Neurochemistry, Plant Physiology and Molecular Biology, and Animal Physiology and Reproductive Biology. The School has also been granted COSIST program of UGC since 1999 in above areas, for duration of five years. It also offers Post Graduate Diploma in Bioinformatics.

Institute of Chemical Technology, Food Engineering & Technology Department, Mumbai

University of Mumbai, Nathalal Parikh Marg, Matunga, Mumbai - 400019
Tel.: +91-22-24145616
Website: <http://www.udct.org/>

The Department of Food and Fermentation Technology at Institute of Chemical Technology (ICT) (autonomous), earlier known as Department of Foods & Drugs has been offering M Tech (Bioprocess Technology) an interdisciplinary course. It was started in 1993 through the funding of government of India (Department of Biotechnology). The total number of intake for this course is 30 with DBT fellowship seats as well as industry sponsored seats. There are 17 faculty members and several distinguished persons from industry and other institutes are invited as visiting fellows for giving quality input to the education and training imparted to the students. The major research interests include carbohydrate chemistry and technology with focus on Indian traditional foods; fermentation technology with focus on enzymes, plant cell culture, nutraceuticals and GM foods and food microbiology related to quality, safety and application of new technology. The department has been supported and recognized by various funding agencies like MHRD, AICTE, DST, UGC, and DBT to name a few.

IIT, Department Of Biochemical Engineering & Biotechnology, Delhi

Indian Institute Of Technology Delhi, Block I-224,
Hauz Khas, New Delhi - 110 016
Tel.: +91-11-26591001/26596109
Website: <http://www.iitd.ac.in/deptt/beb/>

The Biochemical Engineering & Biotechnology course at IIT Delhi is a unique model for an integrated approach towards education as well as research and development of various bioprocesses. The objectives of the Department of Biochemical Engineering & Biotechnology (BEB) are: training students and developing expertise in biochemical engineering, biotechnology at the postgraduate and PhD levels; research and development of various microbial and enzyme system and developing understanding of biological/biochemical phenomena underlying such systems; engineering analysis and optimal design of various biological systems and processes; transfer of knowledge through seminars, symposia and short-term

refresher courses at national and international levels; and undertaking industrial consultancy jobs to solve the specific problems of bioprocess industries. As the BEB course has been running since many years, over the years it has built up some expertise as well as an elaborate infrastructure and equipment base for carrying out teaching, research and development activities in the area of biochemical engineering and biotechnology. The Department also offers a summer training program in May/June every year to provide intensive practical training to post graduate students.

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The Center For Biotechnology, Anna University

Anna University, Chennai - 600 025
Tel.: +91-44 -22350772/22350299
Website: <http://www.annauniv.edu/biotech>

The Center for Biotechnology (CBT) was established in 1987 in Anna University with a financial support from Department of Biotechnology, University Grants Commission, and Anna University with an objective to provide educational and training facilities in different areas of biotechnology to carry out fundamental research and to promote research and consultancy activities. The CBT offers teaching programs in B Tech in industrial biotechnology, food technology, pharmaceutical technology and MTech in biotechnology and also offers PhD and research programs. The CBT has research laboratories in different areas such as tissue culture and drug discovery, molecular immunotechnology, immunotechnology, bio-organic and computational biology, protein biotechnology, molecular biology, genetic engineering and molecular biology, bioprocess engineering and bioprocess technology and automation. It has entered into tie up with a leading pharmaceutical company like Nicholas Piramal India Ltd. The Techno Business Incubator Park (TBI) is an initiative of the Center for Biotechnology with a financial support from Department of Biotechnology, Delhi.

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Department of Management Sciences (MBA- Biotech), University of Pune

University of Pune, Ganeshkhind,
Pune (M.S.) - 411007
Tel.: +91-20-25693380/0477
Website: <http://pumba.unipune.ernet.in>

The Department of Management Sciences, University of Pune, has been offering MBA in Biotechnology, one of the newest disciplines in management, encompassing management and biotechnology. University of Pune (PUMBA) has started this pioneering program from the academic year 2002-2003 (intake capacity 60). This is the first such program in any Indian University/Institute and probably in the world. PUMBA is amongst the leading departments of the University of Pune, which provides its students with every possible input required to afford them a clear understanding of the fundamentals of management. Armed with this self-assuredness that comes only with the mastery of one's subject, the students at PUMBA are in the best position to transform their dreams into reality. "PUMBA, the in-house MBA department of the University of Pune, in a tradition true to our University, has successfully managed to interweave the corporate prerequisites with the academic curriculum. This has been made possible, thanks to PUMBA's sincere and diligent endeavors to take cognizance of the collective voice of the corporate. Located in the environs of the industry, PUMBA has its finger firmly placed on the pulse of the industry," said Dr Ashok Kolaskar, Vice Chancellor, University of Pune.

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Madurai Kamaraj University, School of Biotechnology, Madurai

Madurai Kamaraj University,
Madurai - 625 021, Tamil Nadu, India.
Tel.: +91-452-2459115
Website: <http://www.biotechmku.org/>

The School of Biotechnology at Madurai Kamaraj University, which was earlier the Department of Biotechnology under the School of Biological Sciences, was elevated to the level of School of Biotechnology in 1994. The School, with its strength of 11 fulltime faculty members, is teaching two national level courses, which are very competitive and are rated at a very high level. The school has national level facilities that include Center for Genetic Engineering and Strain Manipulation, Bioinformatics Center, Center for Plant Molecular Biology, High Resolution Graphics and DNA Sequencing Facility. The School of Biotechnology has three departments. The team at Department of Genetic Engineering is involved in research and teaching in the areas of genetic engineering, biophysics, bioinformatics, immunology and immunotechnology. Research teams of the Department of Molecular Microbiology are involved in applying advanced recombinant DNA and genetic engineering techniques to develop microbes/microbial products.

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Amity Institute of Biotechnology, MBA Biotechnology, Noida

Sector - 125, Amity Campus, Express highway, Noida, Uttar Pradesh - 201 303

Tel.: +91-120-2432400

Website: www.amity.edu/aib

The Amity Institute of Biotechnology (AIB), located in NOIDA was established in August 2001. The institute provides a range of courses in the biotech arena like BTech biotechnology, BTech Bioinformatics, Integrated MTech Biotechnology, Integrated MSc Biotechnology, PG Diploma in Bioinformatics, MBA Biotechnology, MSc Biotechnology and MSc Bioinformatics courses. Its MBA biotechnology course program was started in 2003. The course offers a generic management program to provide students with a broad-based introduction to biotechnology and to introduce the theory and practice of management and management skills. Its first batch of MBA biotechnology students successfully passed in 2005 and all of them (barring a few who are pursuing higher studies abroad) have found jobs in the industry. The Corporate Resource Center (CRC) of the institute consists of a dedicated team, which works together with the student placement committee to ensure that the best companies come to campus. AIB possesses good infrastructure in terms of laboratories for plant and animal tissue culture, microbiology, central instrumentation facility, computational biology, biochemical techniques and molecular biology.

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Entomology Research Institute, Loyola College, Chennai

Loyola College Chennai - 600 034.

Tel.: +91-44-28178348

Website: <http://loyolacollege.edu/entomologyresearch.html>

The Entomology Research Institute (ERI), located within the campus of Loyola College, Chennai is a unique center of academic excellence in the country. It was founded by a pioneering and eminent entomologist Dr T N Ananthakrishnan, a retired professor of Zoology in Loyola College and the former Director of the Zoological Survey of India, The present Director Fr Ignacimuthu, SJ and four other scientists, comprise the institute's Research Faculty. More than 20 students are carrying out doctoral and postdoctoral research sponsored by different national and international funding agencies. The ERI is devoted to the investigation on diverse aspects of insect-plant interactions. Value-based areas of applied significance are being pursued. These are biological control, insect behavior, biodiversity, biopesticides, molecular biology, microbiology, genetic engineering, tissue culture, phytochemistry and medicinal chemistry. It also organizes extension programs for farmers and school children. The ERI has publications of about three dozen books on a variety of topics and research papers exceeding 600.

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GGs Indraprastha University, University School of Biotechnology, Delhi

University School of Biotechnology, Kashmere Gate, Delhi - 110 006

Tel.: +91-11-23867038

Website: www.ipu.ac.in

The School of biotechnology at Guru Govind Singh Indraprastha University was established in 1999 at the Kashmere Gate Campus in Delhi. The program places due emphasis in the curriculum on interdisciplinary convergence in modern biology, engineering and technology, applied orientation, quantitative approach, practical training, awareness of the broader social, economic, environmental, ethical, legal and managerial issues in biotechnology, etc. The school offers a 5½ year (11 semester) integrated B. Tech./M. Tech. program in biotechnology through an All India entrance examination. The school has a strong research program and PhD is offered in various disciplines of biotechnology like agricultural, environmental, industrial, biomedical and pharmaceutical biotechnology. The School offers both teaching/learning oriented and research-oriented programs. The aim of the department is to attract quality faculty and build in-house competencies in all aspects of biotechnology; Focus the teaching and research investments strategically around national economic goals; Empower the students with the latest tools, techniques and awareness in biotechnology. Facilitate comprehensive learning combining the scientific, technological and social aspects; Seek new models of collaboration with other institutes, universities and industries.