Jaypee Institute of Information Technology, Biotechnology, Noida

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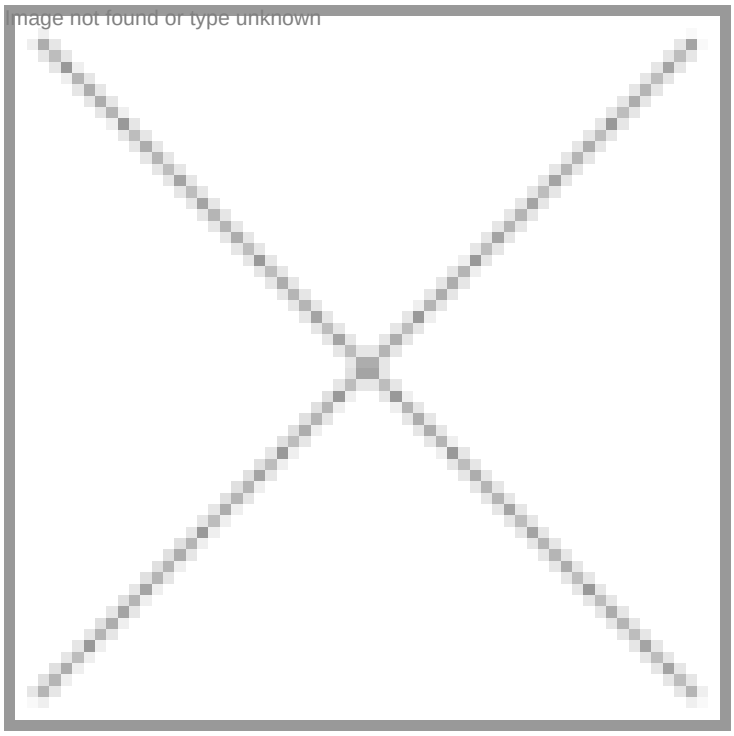

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Jaypee Institute of Information Technology, Biotechnology, Noida

A-10,Sector-62Noida-201 307
Uttar Pradesh, India
Tel.: +91-120-2400973-06
Website: http://www.jiit.ac.in/

Department of Biotechnology , Jaypee Institute of Information TechnologyThe Jaypee Institute of Information Technology (JIIT) at Noida in Uttar Pradesh is a Deemed-to-be-University. The JIIT is fully backed and supported by the Jaypee Group of Companies through its not for profit trust â€“ Jaiprakash Sewa Sansthan (JSS). The Institute offers undergraduate programs (B.Tech.) in Biotechnology. The department has different labs namely Biotechnology, Biochemistry, Animal Tissue Culture, Plant Tissue Culture, Microbiology and Instrumentation. The labs are equipped with latest scientific equipments.

Students cover the following titles that keeps the Biotech curriculum abreast of the modern technologies like Molecular Modeling and Data Base Analysis Techniques, Molecular Graphics â€“Downloading, Installing and Using Sequence and Structural Database Mining, Submission, Alignment and Structural Characterization and Computer Modeling.

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The Oxford College of Science, Department Of Biotechnology, Bangalore

Site No. 40, 1st Phase, JP Nagar,
Bangalore - 560 078
Tel.: 080-26630855, 26552500-04
Website: www.theoxford.edu

The Department of Biotechnology at The Oxford College of Science offers MSc. (Biotechnology) course. The postgraduate course is affiliated to Bangalore University, Bangalore and recognized by Government of Karnataka. It is a two-year, four semesters full time course. The course provides a comprehensive training to the students in application of Biotechnological skills to produce goods and services required by the society efficiently and economically. The course also provides training to the students to perform all requisite chemical, biochemical and microbiological analysis of raw material and finished product. The Oxford College of Science is an institute of the Oxford Educational Institutions, the brainchild of Children's Education Society. The faculty at the department are qualified and experienced. The institute has focused strongly on getting placements for its students and almost 11 of its MSc students were selected by companies. It has spent close to Rs 65 lakh on lab equipment over the last three years. Its MSc intake is about 30 students per year. It also offers BSc biotechnology course. Oxford has 15 fulltime faculty members and six of them are PhDs.

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Banasthali Vidyapith, Department Of Bioscience & Biotechnology, Banasthali

Banasthali Vidyapith, Banasthali -304022,
Dist.- Tonk (Rajasthan)
Tel.: 01438 â€“ 228341 Ext. : 380
Website:http://www.banasthali.org/

The Department of Bioscience and Biotechnology at Banasthali Vidyapith, (university for women) offers three M.Sc. programmes of two years (four semesters) duration, viz. Biotechnology, Bioscience and Applied Microbiology & Biotechnology and one year PG Diploma in Bioinformatics. There are around 20 Ph.D. students in the department pursuing research in various disciplines of Biotechnology and Bioscience. The M.Sc. programme in the multi-disciplinary area of Biotechnology is developed to meet the growing demand for the trained manpower for meaningful biotechnological activities in the country. The program is sponsored by the DBT, Govt. of India. A M.Sc. programme in the multi-disciplinary area of Applied Microbiology & Biotechnology has also been introduced in 2004-05. Bioinformatics course was started as a core at M.Sc. and P.G. Diploma level. The department staff already completed five minor projects funded by UGC and still five projects are at different stages of progress.

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Department of Plant Molecular Biology & Biotechnology, TNAU, Coimbatore

Tamil Nadu Agricultural University
Coimbatore-641003, India.
Tel.: +91-422-5511210
Website: http://www.tnau.ac.in/

Tamil Nadu Agricultural University (TNAU), one of the premier agricultural institutes in India and a forerunner in agricultural biotechnology research, is offering a four-year degree program in B Tech (Agricultural Biotechnology) since 2002-2003 in the Department of Biotechnology, Center for Plant Molecular Biology. This is the first of its kind (an undergraduate degree program in Agricultural Biotechnology) in India. The course curriculum has been designed in such a way to empower the students with both theoretical knowledge and practical skills in molecular biology techniques to keep pace with latest developments in biotechnology. The degree program aims to create a knowledge society of young scientists and entrepreneurs in the field of biotechnology. The Department of Biotechnology has well-established laboratories for carrying

out research experiments in various fields of biotechnology. With support from various State, Central and other agencies such as the Rockefeller Foundation, World Bank several equipment have been installed and are routinely used by faculty and students. It has a state-of-the-art transgenic greenhouse for contained screening of plant transformants. It is one of the most sought-after for MSc and PhD programs in agribiotechnology.

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NIPER, Mohali

National Institute of Pharmaceutical Education and Research
Sector 67, SAS Nagar, Mohali, Punjab â€“ 160062
Tel.: +91-172-2214683

The National Institute of Pharmaceutical Education and Research (NIPER) is the first national level institute in pharmaceutical sciences with a proclaimed objective of becoming a center of excellence for advanced studies and research in pharmaceutical sciences. The Government of India has declared NIPER as an "Institute of National Importance".

NIPER has Department of Biotechnology and Department of Pharmaceutical Technology that offer MSc (Pharma) and MTech (Pharma) respectively. The laboratories in the department of biotechnology are working in the areas of cell biology, biochemistry, immunology, molecular biology, microbiology, parasitology, cell culture, and membrane drug interaction. The biotechnology unit of Pharmaceutical Technological Department has been set up with a view to create awareness in the field of pharmaceutical biotechnology. The unit runs a full-fledged MTech program in pharmaceutical biotechnology sponsored by the Department of Biotechnology.

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MS University of Baroda, Department of Microbiology & Biotechnology Center, Vadodara

MS University of Baroda,
Baroda - 390 002, Gujarat
Tel.: 0265-2794396/2750498
Website: http://www.bcmsu.ac.in/

The Department of Microbiology and Biotechnology Center at The Maharaja Sayajirao (M S) University of Baroda offers a two-year Post Graduate program leading to the Master of Science (MSc) in Biotechnology. Graduate students in this program begin with fundamental courses in biochemistry, genetics, and molecular biology and then proceed to a thorough study of their selected area of specialization. The biotechnology center has taken up as many as 30 research projects from both public sector and private sector companies. While over 25 projects have already been completed, five are still underway. The on going projects include molecular analysis of fungal disease resistance in wheat, NMITLI project on using functional genomics in plants for gene expression modulation, functional genomics of the Rice Blast fungus (Magnaportha grisea), engineered resistance of rice blast and improvement of fiber jute crop for commercial use under UNDP's National Jute Development Program. Some of these projects were funded by Department of Biotechnology, Biocon India, The Rubber Research Institute, National Dairy Development Board, Maharashtra Hybrids Seeds, Indo-Swiss Collaborative program, GSFC Science Foundation, and The Rockefeller Foundation, USA.

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Bangalore University, Department Of Microbiology

Bangalore University, Jnana Bharathi campus,
Bangalore - 560056.
Tel.: +91-80-23214001 ext. 252
Website: http://www.bub.ac.in

The Department of Microbiology at Bangalore University started offering MSc Biotechnology course in 1997 with the help of

funds received by the UGC. The department also offers PhD program in biotechnology. The department is actively engaged in research in the fields of Environmental Biotechnology, Animal Biotechnology, Plant And Agricultural Biotechnology As Well As Medical Biotechnology. The students' intake for the PG course is 28. With the help of grants from the Department of Biotechnology and other agencies, the department has procured the latest and sophisticated equipment for carrying out research in biotechnology using molecular, microbial and biochemical techniques. The department has plant tissue and animal tissue culture facility, a polyhouse and a bioinformatics laboratory. The thrust areas include biological control of insect pests using biopesticides and insect neuropeptides, bioremediation of soil and water contaminated with heavy metals using microorganisms, phytoremediation of soil contaminated with wood treating chemicals, drought stress and gene expression in peanut plants.

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Dr BC Guha Center For Genetic Engineering & Biotechnology, Kolkata

University College of Science, University of Calcutta,
35, Ballygunge Circular Road,
Kolkata-700 019
Tel.: 91-33-24743683/24753685

Calcutta University established the Dr BC Guha Centre for Genetic Engineering and Biotechnology in its Ballygunge campus. The Centre plays a unique role in the university system for creation of basic knowledge in molecular biology and biotechnology and its proper dissemination as well as to work out ways and means of transferring productive technologies emerging from research into various industrial concerns. The MSc Biotechnology course was started in 1998 to train students holding BSc degree in physical science, life science, microbiology, agriculture with both theoretical and practical aspects of molecular biology and biotechnology. Special emphasis is being given to impart hand training in recombinant DNA technology, tissue culture (both plant and animal), human genetics and bioinformatics. In the area of biotech research, the Centre is promoting advanced frontline interdisciplinary collaborative research in genetic engineering and biotechnology, particularly related to health care and agriculture. It lays special emphasis on working out modalities for transferring technologies emerging from research into different sectors of the Indian economy.

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Shree Manibhai & Navalben Virani Science College, Department Of Biotechnology, Rajkot

"Yogidham", Kalawad Road,
Rajkot - 360 005
Tel.: +91-281-2563445
Fax: +91-281-2563766
Website: www.atmiya.ac.in, www.sks.ac.in/vsc/biotech

Shree Manibhai & Smt Navalben Virani Science College, affiliated to Saurashtra University, offers MSc in Biotechnology. It is a two-year Postgraduate course. The college is managed by Sarvodaya Kelavani Samaj (SKS), Rajkot, an arm of Yogi Divine Society, Haridham, Sokhada near Baroda. SKS, Rajkot runs many institutions, which provide education from KG to PG. It also offers BSc in biotechnology and this course was started in 1999. The institute has a good range of laboratory equipment and specialized laboratories for tissue culture, microbiology, pathology, biotechnology, biochemistry and biology. It also offers certificate courses in plant tissue culture and in bioinformatics. The institute also conducts minor research projects as part of its postgraduate programs. The college has a total faculty strength of 9 for a student intake of 40.

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T John College, Department Of Biotechnology, Center for Bioscience

Department Of Biotechnology
Center for Bioscience,
T John College

88/1, Gottegere,
Bannerghatta Road,
Bangalore - 560 083
Tel.: +91-80-28429623/24/25
Website: www.tjohncollege.com

The Center for Bioscience at T John College offers MSc Biotechnology. It is a two-year course and the Center is affiliated to Bangalore University. It has 11 members as faculty. At present 27 students are pursing the MSc Biotechnology course at the college.

The skills imparted during this two-year program helps to broaden the perspective of students on global biotechnology issues, provides academic inputs to the students for competitive excellence, develops their personality and inculcates in them leadership qualities and entrepreneurial skills.

It also accentuates the need for understanding basic principles of biological science and helps illuminate and reframe specific questions research scientists aim to answer and, in turn, helps stimulate interest in the principles that underlie these phenomena.