

## B.Tech.. BIOTECHNOLOGY

The inception of the Department of Biotechnology was in the year 2002. From then the department has grown tremendously and is actively involved in academics, research, entrepreneurship initiatives and product development. The department has established state of the art laboratories to develop natural polymers, biopesticides and food preservatives. Other areas of research include Cancer Biology, Bioinformatics, Parasitology, Immunotechnology, Ethanopharmacology and Nanobiotechnology. Dedicated and experienced faculty members with PhD and Post graduate qualifications are an asset to the Department. Faculty with post-doctoral experience from foreign universities also add great strength to the department.



### IN-PLANT TRAINING

The students are encouraged to do their in-plant Training at the following places:

- Indian Institute of Food Processing Technology, Thanjavur
- Novozymes India, Bengaluru
- AU-KBC Research Centre, Anna University, Chennai
- Salim Ali Centre for Ornithology and Natural History, Coimbatore
- National Institute for Research in Tuberculosis, Chennai
- Sankara Nethralaya Research Centre, Chennai
- Pasteur Institute of India, Coonoor
- ICAR, Coimbatore
- TANUVAS, Chennai
- Dubai Genetic Centre, Latifa Hospital
- Aachi Foods, Chennai
- Lifetech Research Center, Chennai
- Aristogene, Bangalore
- Centre for Stem Cell Research, CMC-Vellore
- Dr. Reddy's Laboratory Limited, Hyderabad
- CDRI, Chennai
- TTK Healthcare Ltd
- TNAU, Chennai
- Camillotek Pvt Ltd, Chennai

### INDUSTRIAL VISITS

- Biocon, Bangalore
- CavinKare, Puducherry
- Kaleeswari Refineries Pvt. Ltd., Chennai
- Eppendorf, Chennai
- Britannia Industries, Chennai
- Hatsun Agro Products Ltd, Chennai
- Aavin, Chennai
- Coca Cola India Pvt Ltd, Chennai
- Parle Agro Pvt Ltd, Chennai
- Lotte Chocopie Ltd, Cuddalore
- Aristogene Biosciences, Bengaluru
- Cheyyar Cooperative Sugar Mills Ltd, Cheyyar
- Carborundum Universal Ltd, Chennai
- National Research Centre for Banana, Trichy
- OFERR, Spirulina Research Centre, Chennai



### M.Tech., M.S. (By Research) and Ph.D. programmes

The department offers M.Tech Biotechnology course since 2006 and has produced 110 batches of successful graduates. The department is an Anna University recognized research centre to conduct M.S. (By Research) and Ph.D. programmes. Twelve of the staff members are recognized Ph.D. supervisors under whom 26 candidates have registered for their Ph.D. / M.S.(By Research) and 8 have completed successfully.

Some of the noteworthy products developed by our students include nanospun biomaterials for wound healing, portable diagnostic kits, nano herbal formulations for treatment of diabetes, atherosclerosis, myocardial infarction and supplements against drug induced toxicities. We are also focussed on environmental protection, by detection of environmental toxins, effluent treatment using biomaterials, phytoremediation, computational drug design and network biology. The research works have been published in reputed peer reviewed national and international journals.

### ALUMNI SPEAK



I have obtained Masters degree from Georgia State University, Atlanta USA. Towards my MS thesis, I researched on the topic 'Epigenetics of uncoupling protein 1 for development of therapeutics towards diabetes and obesity'. My Master's thesis work has been published in the Journal of Biological Chemistry (JBC). Currently i am pursuing my doctorate at Baylor College of Medicine, Houston, USA.  
- Anubama Rajan