

## Jawaharlal Nehru University calls for Combined Entrance Examination 2009-10 for Admission to M Tech in Marine Biotechnology at National Centre for Aquatic Animal Health, Cochin University of Science and Technology

M.Tech. in Marine Biotechnology sponsored by Department of Biotechnology, Government of India, offered by the School of Environmental Studies at National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Fine Arts Avenue, Kochi -682016

### About the programme

- ◆ A programme intended to generate entrepreneurs in the field of marine biotechnology
- ◆ Four semester programme
- ◆ Intake - 6
- ◆ First two semesters- classes, seminars, practical, presentations
- ◆ 3rd and 4th semester - industry oriented research programme
- ◆ Stipend: Rs. 5000/ per month per student
- ◆ Mode of selection: Combined Entrance Examination by Jawaharlal Nehru University
- ◆ Mode of application: Application form and prospectus can be obtained from National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Fine Arts Avenue Kochi 682016
- ◆ **Entrance examination fee:**
  - General category students including OBC candidates: Rs. 600/-
  - SC/ST/PH Candidates : Rs. 300/-
  - Foreign Nationals : US\$ 25.0 or Rs. 1250/-
- ◆ **Time Table for Entrance Examination**

- Date of issue of application forms: February 2, 2009
- Last date of issue of application form at National Centre for Aquatic Animal Health: March 16, 2009
- Last date for submission of completed application form to JNU : March 16, 2009
- Date and time of Entrance Examination: May 18, 2009 (Monday) ( 2.00PM to 5.00 PM)
- Results of Entrance Examination: June/July 2009

Send your queries to [bsingh@md3.vsnl.net.in](mailto:bsingh@md3.vsnl.net.in)

Prof. I.S. Bright Singh

Course-Coordinator

Coordinator, National Centre for Aquatic Animal Health School of Environmental Studies, Cochin University of Science and Technology

Fine Arts Avenue, Kochi-682 016, Kerala, India. Phone/Fax: 91-484 2381120;

Mob: 9447631101

## Eligibility for Admission

Minimum 60% Marks or equivalent CGPA in any one of the following from any recognized University.

### B. Tech/ BE in

1. Chemical Engineering
2. Biochemical Engineering
3. Industrial Biotechnology
4. Leather Biotechnology
5. Chemistry/Biotechnology
6. Biomedical Engineering
7. B.Pharma
8. Chemical Technology

### M.Sc. in

1. Biotechnology
2. Life Sciences
3. Botany/Zoology/ Biochemistry
4. Microbiology/Genetics
5. Biophysics
6. Microbial Genetics & Bioinformatics

## Curriculum Overview

I Semester – Dynamics of marine and estuarine productivity & biodiversity, Marine and brackish water productivity management through culture operations, Marine genomics and proteomics, Bioprospecting and bioprocess technology of natural products, Marine Biotechnology industry management; Electives (Any one) Advances in Microbial population and biomass estimation, Down Stream process in marine natural products, Advances in molecular biology, Introduction to Marine Sciences; Practical: Advanced Molecular biology, Bioprocess Technology

II Semester- Finfish and Shellfish Immunology, High health broodstock development, Disease diagnosis and management, Aquaculture environment management, Aquaculture Medicine; Electives- Organic Aquaculture, Anatomy and physiology of cultivable Finfish and Shellfishes; Practical: Finfish and Shellfish Immunology, Disease diagnosis and Management

III & IV Semesters-Full time research project