

## Notification

National Centre for Aquatic Animal Health, School of Environmental Studies, Cochin University of Science and Technology offers an M.Tech. programme in Marine Biotechnology sponsored by Department of Biotechnology, Government of India under the National Network Programme in Human Resource Development in Biotechnology. The admission to the year 2010-11 has been announced. Mode of selection will be through Combined Entrance Examination conducted by Jawaharlal Nehru University. Total intake to the course is 6 and the selected candidates will be getting a stipend of Rs. 8000.0 per month. Candidates from the State of Kerala can appear for the entrance test at Kozhikode and Thiruvananthapuram. The application form and prospectus can be obtained from National Centre for Aquatic Animal Health, Cochin University of Science and Technology on payment of Rs. 200/-. The last date of receipt of the duly filled in application form by post to the Section Officer (Admissions), Room No. 28, Administrative Block, Jawaharlal Nehru University or in person to drop Box in the Administrative Block of the Jawaharlal Nehru University is on or before March 15<sup>th</sup>, 2010. You may visit the websites [www.jnu.ac.in](http://www.jnu.ac.in) or [www.ncaah.org](http://www.ncaah.org) for more information.

For more details please contact:

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Prof. I.S. Bright Singh

Course-Coordinator

## **Jawaharlal Nehru University calls for Combined Entrance Examination 2010-11 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 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 – In house research programme
- Stipend: Rs. 8000/ 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 on payment of Rs.200.0
- **Entrance examination fee:**
  - General category students including OBC candidates: Rs. 600/-
  - SC/ST/Blind/PH Candidates: Rs. 300/-
  - Foreign Nationals : US\$ 25.0 or Rs. 1250/-
- **Time Table for Entrance Examination**

- Date of issue of application forms: February 1, 2010
- Last date of issue of application form at National Centre for Aquatic Animal Health: March 15, 2010
- Last date for submission of completed application form to JNU : March 15, 2010
- Date and time of Entrance Examination: May 20, 2010 ( 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

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## 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