

**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
- First two semesters- classes, seminars, practicals, presentations
- 3rd and 4th semester - industry oriented research programme.
- Stipend: Rs. 5000/ per month per student
- Mode of selection: All India Common Admission Test conducted by CUSAT this year and by Jawaharlal Nehru University from 2009 onwards
- Mode of application: Online registration through website www.cusat.nic.in
- For syllabus of the entrance examination visit website www.ncaah.org. Will be available from 1st April, 2008 onwards
- Entrance examination: First week of June 2008
- Date of Notification : 29.02.2008
- Date of Commencement of Online Submission of application : 29.02.2008
- Last Date for the Submission of Online Application : 03.04.2008
- Last date for receipt of duly completed confirmation page downloaded from the website along with DD & Passport Size Photograph addressed to the Director, IRAA Unit, CUSAT, Kochi-22 : 10.04.2008

- Qualifications

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

1. B. Tech/ BE in Chemical Engineering, Biochemical Engineering, Industrial Biotechnology, Leather Biotechnology, Chemistry/Biotechnology, Biomedical Engineering, B.Pharm, Chemical Technology;
2. M.Sc. in Biotechnology, Marine Biotechnology, Life Sciences, Botany/ Zoology/ Biochemistry, Microbiology/Genetics, Biophysics, Microbial Genetics and Bioinformatics, Marine Biology/Aquatic Biology and Fisheries/ Environmental Biotechnology/Mariculture.

- Curriculum

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; *Practicals*: 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; *Practicals*: Finfish and Shellfish Immunology, Disease diagnosis and Management

III & IV Semesters-Full time project in an R & D lab of a biotech industry

For updates, keep visiting the website www.ncaah.org.
Send your queries to bsingh@md3.vsnl.net.in

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Course-Coordinator
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