



ADMISSION M.Sc. Marine Biotechnology

AMET University is one of the few Institutions which offer PG Programme in Marine Biotechnology

The Potential for Marine Biotechnology Industry

The Marine environment is a rich source of both biological and chemical diversity which has been the source of unique chemical compounds with the potential for industrial development as pharmaceuticals, cosmetics, nutritional supplements, molecular probes, enzymes, fine chemicals and agrichemicals. These classes of marine bioproducts have potential multi-billion dollar market value.

The oceans represent a virtually untapped resource for discovery of even more novel compounds with useful activity.

There are several marine-derived products currently on the market.

The challenge facing the marine biotechnology industry in the next millennium is to:

- identify new sources of marine bioproducts.
- develop novel screening technologies,
- provide a sustainable source of supply; and
- optimize production and recovery of the bioproducts

M.Phil and Ph.D programme in Biotechnology and Microbiology

We have started courses such as M.Phil. and Ph.D programme in Biotechnology and Microbiology. (Both part-time & full time)

Course Profile & Job Opportunities

Besides regular class room teaching and practicals, emphasis is made towards research orientation and hands-on-training in biotechnological and microbiological original work practice resulting in isolation and characterization of luminous bacteria, extremophiles, multienzyme producing marine bacteria etc., and developing suitable media so that students pursue their own original potential when placed in industry.

The Faculty and students have now successfully isolated and characterized few marine bacterial isolates that could effectively produce various enzymes such as protease, amylase and cellulose.

The Department of Biotechnology has full-fledged infrastructure and equipment to meet the stated objective.

The course aims at sustainably converting the biological material into bioproducts and processes for generating employment opportunities such as in Bio-pharma companies, laboratories involved in drug design, drug discovery, vaccines, pharmaceuticals, biomarkers and ITES MNCs.

Pursue research which will give great openings as Research Executives in Biolabs and Bioindustries and Academics in Universities and Educational Institutions

Eligibility

A pass in three years B.Sc. Degree in Botany, Zoology, Biochemistry, Microbiology, Biotechnology or Chemistry main with life sciences as allied subjects with not less than 55 % marks in Part-iii or Four years B.Sc, Agriculture or a Degree in M.B.B.S. from any recognized University.

Duration

2 Years (4 Semesters)

Apply to The Registrar, AMET University,
135, East Coast Road, Kanathur 603 112.

Tel : +91 93815 05747, 93815 03030, 044 27472155 / 157
or

Contact Prof. Dr. A. Jaffar Hussain, Special Officer & Dean,
Life Sciences, AMET University. Tel : +91 94440 65432

Our M.Sc. Marine Biotech. Students, **Jacky Bhagat** and **S. Gopalakrishnan**, won 1st prize in intercollegiate Quiz Competition in State level Symposium on **Recent Trends in Molecular Diagnosis of Infectious Diseases** held on 13th March, 2009 at Madras Christian College, Tambaram

Imran Sherif, C. Karthikeyan and Jacky Bhagat, M.Sc. Marine Biotech. Students participated and submitted papers in National Seminar on **"Biotechnology in Genomic and Proteomic Platform"** held on 26th & 27th September, 2008 held at School of Biotechnology, Dr. G.R. Damodaran College of Science, Coimbatore.

