

Programme Committee

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Prof. Junaid M. Bushiri
Vice Chancellor, CUSAT

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Scripps Institution of
Oceanography, UCSD, USA

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Register



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Topics Covered

- Drug Discovery from Sea
- Marine Natural Products
- Drug discovery from Actinomycetes
- Green Deal-Biodiversity Strategy
- Microalgal Toxins
- AI-enabled Therapeutic Discovery
- 3D-Culture Systems for Drug Discovery and Validation
- Zebrafish as a Model Organism
- MS-based Marine Mycobolome Mining
- NMR-based analysis of Natural Extracts
- Biosynthesis of Marine Natural Products
- Preventive Healthcare in Aquaculture
- Cyanobacteria for Aquatic Animal Health

Important Dates

Registration Open : 12/11/2025
Last Date for Registration : 22/11/2025

Registration Fee*

Students	800.0
Research Scholars / Post Doctoral Fellows	1500.0
Faculty/ Scientists/ Alumni	2000.0

*GST of 18% will be payable by the participants outside CUSAT

Registration fee includes workshop admission, workshop kit, lunch, and refreshments

Bank Account Details

Account Name: Dr VALSAMMA JOSPEH
PROFESSOR AND
CONVENOR
Name of Bank : State Bank of India
Branch : Ernakulam Broadway
Account No. : 41113407638
IFS Code : SBIN0008614



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



Scheme for Promotion of Academic and Research Collaboration



International workshop on

Advances in Marine Bio-discovery of Drugs, Pharmaceuticals and Nutraceuticals

**Tools, devices and protocols for marine
biodiscovery for human, veterinary and
aquaculture healthcare**

24-25th November, 2025



Organized by

**National Centre for Aquatic Animal Health
Cochin University of Science and Technology**

in collaboration with

**Centre for Marine Biotechnology and Biomedicine
Scripps Institution of Oceanography
University of California San Diego**

Sponsored by

**Ministry of Education, Government of India
under SPARC Scheme**



**The Mercy Business Hotel
M.G. Road, Ravipuram, Kochi,
Ernakulam, Kerala 682015**

About Us

National Centre for Aquatic Animal Health (NCAAH), established on 18th January, 2000, while completing 25 years of its journey, the Centre dwells as companion of aquafarmers sharing their perils and ecstasies in the dynamic world of aquafarming. While moving forward with the motto "Relentless effort for the protection of health of aquatic animals and their environment" the Centre uses cutting-edge technologies for sustainable aquaculture, with a unique Aquaculture Health Products Division, Disease Diagnostic Services, Preventive Health Care and an Aquaculture Extension Cell linking farmers to the technologies. As an offshoot of the mission undertaken over the years, the Centre offers an education programme at the highest level of specialization in Marine Biotechnology (M.Tech.) sponsored by the Department of Biotechnology, Government of India, besides Ph. D. programmes in Marine Biotechnology and Aquatic Animal Health, post-doctoral programmes coupled with a series of skill development programmes at various levels.

The Centre for Marine Biotechnology and Biomedicine, Scripps Institution of Oceanography, University of California San Diego has been collaborating with the Centre since 2014 through the laboratory led by Prof. William H. Gerwick, Distinguished Professor contributing greatly to strengthen marine biotechnology education and research at the Centre.

About the Workshop

The Scheme for Promotion of Academic and Research Collaboration (SPARC), sponsored by the Ministry of Education and coordinated by IIT Kharagpur, aims to strengthen the research ecosystem of India's Higher Educational Institutions by promoting academic and research collaborations between Indian Institutions and leading institutions from 28 selected countries to jointly address problems of national and / or international significance. The scheme facilitates productive academic cooperation in the areas such as joint research projects, exchange of faculty and students, and joint degree programs by supporting the following key components that can catalyse impactful research.

Sponsored under the Scheme for the Promotion of Academic and Research Collaboration (SPARC), both the Institutions are jointly hosting the international workshop on 'Advances in marine bio-discovery of drugs, pharmaceuticals, and nutraceuticals' with a focal theme of 'Tools, devices and protocols for marine bio-discovery for human, veterinary and aquaculture healthcare'. The workshop aims to review the existing and emerging tools, devices and protocols for advancing marine biodiscovery and propose strategies for bridging the gaps in research, technology development and translation, towards accelerated discovery of drugs, pharmaceuticals and nutraceuticals for application in human, veterinary and aquatic animal health management, within the one health umbrella.

Confirmed Speakers



Dr. William H. Gerwick

*Scripps Institution of Oceanography
University of California San Diego*



Prof. I.S. Bright Singh

*National Centre for Aquatic Animal Health
CUSAT*



Dr. Valeria Costantino

European University Foundation



Prof. Inder Pal Singh

National Institute of Pharmaceutical Education and Research



Prof. Valsamma Joseph

*National Centre for Aquatic Animal Health
CUSAT*



Prof. Sajeevan T. P.

*Dept. of Marine Biology, Microbiology and Biochemistry,
CUSAT*



Dr. Unnikrishnan U.

CVJ-Centre for Synthetic Biology and Biomanufacturing



Dr. Benjamin C. Naman

*Scripps Institution of Oceanography
University of California San Diego*



Dr. Raphael Reher

Institute of Pharmaceutical Biology and Biotechnology



Dr. Jayesh Puthumana

National Centre for Aquatic Animal Health, CUSAT



Dr. Baby Chakrapani P.S.

*Dept. of Biotechnology
CUSAT*



Dr. Franklin John

*Dept. of Chemistry
Sacred Heart College*



Dr. Sukanya V.S.

CVJ-Centre for Synthetic Biology and Biomanufacturing



Dr. Shubin S.P.

*National Centre for Aquatic Animal Health
CUSAT*



Dr. Eva Ternon

Laboratoire d'Océanographie de Villefranche



Dr. Niladri Sekhar Chatterjee

ICAR-Central Institute of Fisheries Technology



Dr. Jehad Almaliti

University of Jordan



Dr. Sujith S.

College of Veterinary and Animal sciences