

Course Directors

Dr. Marti J. Anderson

Director, Primer-e

Distinguished Professor, Massey University

Dr. Marti will be the course faculty and presenter of the international workshop. Dr. Marti is visiting CUSAT as Chancellor Chair professor from March to April, 2023. She is a Fellow of the Royal Society of New Zealand, and recipient of a prestigious James Cook Fellowship. She holds the Professorial Chair in Ecological Statistics at the New Zealand Institute for Advanced Study (NZIAS) at Massey University in Auckland.



Her core research is in community ecology, biodiversity, multivariate analysis, experimental design and resampling methods, with a special focus on developing novel statistical methods for ecology and developed all of the statistical methods in PERMANOVA+.

Dr. S. Bijoy Nandan

Dean, Faculty of Marine Sciences

Professor, Cochin University of Science and Technology

Dr. S. Bijoy Nandan will be responsible for the conduct of the training workshop in CUSAT in association with PRIMER-e. He is an established and reputed academician and researcher with expertise in the areas of Marine Biology & Marine Pollution, Invertebrate zoology, Climate Science and Polar Biology. He is a recipient of Jawaharlal Nehru Award (ICAR) for outstanding doctoral thesis in India (1993), U.S Fulbright Fellowship (2013-2014), and UGC-BSR Mid-Career Award (2021). New species of deep sea wood boring mollusc, *Xylophaga nandani* and a wetland crab *Aniptumnus bijoyi* has been named in his honour.

DEPARTMENT OF MARINE BIOLOGY, MICROBIOLOGY AND BIOCHEMISTRY

The Department is one of the leading institution in marine biology in India and it's the academic continuation of the original Department of Marine Biology and Fisheries, established in 1938 under the University of Travancore for promoting marine research and fisheries investigations. It is one of the five departments, under the School of Marine Sciences of the Cochin University of Science and Technology that has a unique national and International relevance in our sojourn for exploring the oceans and its services to mankind.

Website: <http://www.dmmbcusat.in>

PRIMER-e

PRIMER-e Limited was founded by Professor K. Robert Clarke and Ray N. Gorley, as "Plymouth Routines in Multivariate Ecological Research," a spin-out enterprise of the Plymouth Marine Laboratory (PML) in the UK. Now it's a well-established software in research laboratories, public and private institutions in over 132 countries worldwide. Their mission is to empower researchers to make most of their data by providing statistical software and training workshops backed by academic excellence, novelty, agility and ease-of-use.

Website: <https://www.primer-e.com>

ITW'05 Kochi

INTERNATIONAL TRAINING WORKSHOP ON

PRIMER 7 & PERMANOVA

Multivariate Analysis for Ecology & Other Sciences



Organised by

**Department of Marine Biology, Microbiology & Biochemistry
School of Marine Sciences**

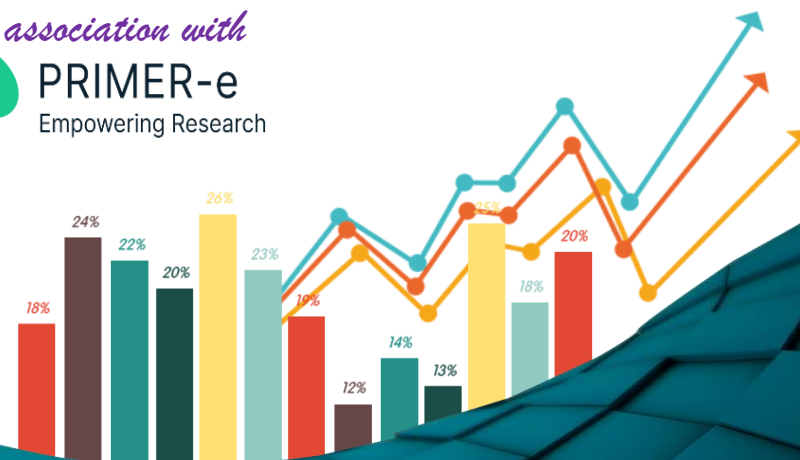
Cochin University of Science and Technology, Cochin-16

In association with



PRIMER-e

Empowering Research



On the occasion of
Golden Jubilee Celebration
Cochin University of Science and Technology



Sponsored by
UGC-SAP DRS-II



ज्ञान-विज्ञान विमुक्तये

20 - 24, March 2023

ORGANISING COMMITTEE

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Hon'ble Vice Chancellor of CUSAT
- **Prof. (Dr.) P. G. Sankaran**
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- **Prof. (Dr.) A. A. Mohamed Hatha**, Director, School of Marine Sciences and Head, DMMB, CUSAT

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- **Mr. Hari Praved P**, Senior Research Fellow, DMMB, CUSAT

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- **Ms. Neethu K. V.**, Senior Research Fellow, DMMB, CUSAT
- **Mr. Mr. Deepak Sankar**, Senior Research Fellow, DMMB, CUSAT
- **Ms. Sruthy Sebastian**, Project Fellow, DMMB, CUSAT

Scope of the Workshop

The workshop will offer professional expertise in the area of marine sciences, environmental sciences and allied sciences for wide array of univariate and multivariate data analysis with minimum knowledge in statistics.

How to Apply ?

Interested candidates may submit their application through Google form link given, along with a short CV and justification. All selected participants will be intimated and total number of participants will be limited to **35 only**. Possibility for a second international workshop may emerge after the completion of the current registration.

Google Form Link: <https://forms.gle/MYckbVRUMNHTbnq46>

Course Fee Structure:

For India

Professional Registration

a) Faculty Members/Scientists- **14,000 INR***

b) Post Doctoral Fellows/Research Associates- **9,000 INR***

Student Registration (Research Scholars/ Post Graduates) – 7,000 INR*

For other Nations

a) Professional Registration – **22,500 INR***

b) Student Registration - **14,880 INR***

- The registration fees will cover up admission to training sessions, lectures, course materials, free 30-day time-limited software license, lunch and refreshments.

Participants can purchase PRIMER software at discounted price

Accommodation & Transport: Lodging and local transportation will be arranged for the participants on prior request on payment basis.

Those who complete the workshop will also get an opportunity for a full-day 'own data' interactive **Masterclass session** for open discussion, questions and analysis, with consultation and feedback from Dr. Marti on 27th March 2023.

Important Dates

Registration opens on: January 12th 2023

Last date for Submission of application: February 10th 2023

Communication of acceptance of participants: February 12th 2023

Venue of ITW'05: School of Marine Sciences, CUSAT, Cochin-16



School of Marine Sciences, CUSAT

For all correspondence

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