

India



Rup Lal

With ISME support, we have organized Four Workshops on topics with special emphasis related to SARS-CoV-2, Computational Biology and Art of Scientific Writing and Communication during the last two years (2020-2022).

Ambassador's talk

Prof. Rup Lal
ISME Ambassador
ISME Communication



•Component of a Manuscript and its Importance



A two-day online workshop on “Art of Scientific Writing, Communication and Basics of Computational Biology” Under the aegis of International Society for Microbial Ecology
Date: **13th -14th June 2022**



metagenomics_workshop.mp4

What all do we need to start with??

Operating system e.g LINUX


Computer/Workstation handling

Mathematical operations

Data

Statistics/Data analysis

Bioinformatics



Prof. Rup Lal discussing about the role of computational biology for microbial ecology at Pre-Conference Workshop on “Hands-on to Computational Biology for Genomics and Proteomics Analysis for Beginners”. In 6th Annual International Conference of Indian Network for Soil Contamination Research “Microbes in Sustainable Development” (**November 14, 2021**)

Participants at the International E-conference and Pre-Conference Hands on Workshop on “Health and Research in Current Scenario: with Special Emphasis on Covid-19 Virus Genomics and Pathogenicity” (**July 14-17, 2020**)

Activities

Organized 'Peek into Biodiversity and Beyond- A hands-on training workshop on NGS' from 4th-6th March, 2022 in Kolkata, India.

The workshop was supported by ISME.

- (a) Focused workshop with extensive hands on Nanopore and Illumina sequencing
- (b) Series of lectures by experts in the field including on aquatic, soil, human microbiomes, vector biology and wastewater surveillance incorporating research outcomes based on Illumina/Nanopore sequencing
- (c) Extensive interactive sessions on bioinformatics and computational biology approaches for analyzing plethora of sequencing data (e.g. metabarcode, metagenome, whole genome and transcriptome)
- (d) Sessions on trouble shooting related to Nanopore/Illumina sequencing
- (e) The workshop was attended by 60 early career participants representing Ph.D. level to early career faculty.



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