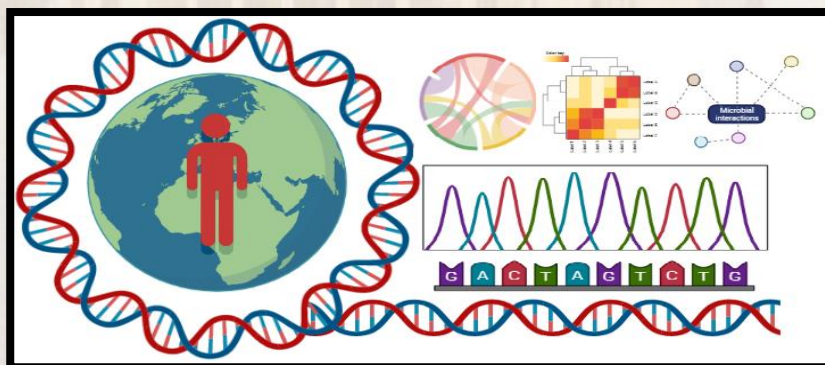


DEPARTMENT OF BIOTECHNOLOGY
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Kharagpur, West Bengal
ORGANIZES

NATIONAL SYMPOSIUM AND WORKSHOP
ON
OMICS' APPLICATION IN HEALTH AND ENVIRONMENT

MAY 16th – 17th, 2023





NATIONAL SYMPOSIUM AND WORKSHOP ON OMICS' APPLICATION IN HEALTH AND ENVIRONMENT

MAY 16th – 17th, 2023

About the symposium-

This symposium is being organized to discuss and disseminate the current state of the knowledge on diverse omics approaches (genomics, transcriptomics, metagenomics, metabolomics, etc.), their application in exploring human and environmental microbiology. Application of Machine Learning in omics based analysis will also be discussed. The hands-on (workshop) sessions planned will provide the participants exposures to current bioinformatics tools used for analyzing omics data. This will enable the participants to gain an overall experience to handle high throughput data and obtain valuable insights. With this symposium we also aim to bridge the gap between research and industry while appreciating implications of omics for translational research.

Speakers



Dr. Sharmila S. Mande
Ayush Distinguished
Scientist Chair, Ministry of
Ayush; Former Distinguished
Scientist, TCS Research

Program-

- Metagenomics in Human health
[Sharmila Mande, Ministry of Ayush]
- Omics in Environmental genomics
[Pinaki Sar, IIT Kharagpur]
- Genome scale metabolic modelling
[Amit Ghosh, IIT Kharagpur]
- Simulating microbes & microbiomes
[Anirban Dutta, TCS Research]
- Transcriptomics and data analysis
[Riddhiman Dhar, IIT Kharagpur]
- Machine learning for microbial
ecosystems
[Avishek Dutta, University of Georgia]
- Developments in Omics data analysis
[Mitali Merchant, TCS Research]



Dr. Anirban Dutta
Principal Scientist
TCS Research



Dr. Amit Ghosh
Asst. Professor
IIT Kharagpur



Dr. Riddhiman Dhar
Asst. Professor
IIT Kharagpur



Dr. Avishek Dutta
Asst. Professor
University of
Georgia



Mitali Merchant
Scientist
TCS Research

Workshop-

16S rRNA amplicon data analysis and function prediction (QIIME2, SILVA database, iVikodak and PICRUST2); Whole metagenome sequence assembly and annotation; RNA seq data analysis; Genome/Community scale metabolic modelling



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MAY 16th – 17th, 2023

Organized by-

Department of Biotechnology
Indian Institute of Technology Kharagpur, 721302

Conveners-

Prof Pinaki Sar & Prof Ridhiman Dhar
Department of Biotechnology, IIT Kharagpur

Eligibility for participation-

The Conference is open to students, researchers, faculties, scientists, practitioners, industrial personnel and other stakeholders interested in the subject.

Registration-

Category	Registration fee
Students (Bachelors and Masters) and researchers (doctoral)	2500 + GST
Faculties/Post docs/Scientists	4000 + GST
Industry persons	7000 + GST

Registration fee includes:

All tea/coffee; Working Lunch; Registration Kit
(Other meals and accommodations are extra)



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How to apply:

1. Register online:
<https://erp.iitkgp.ac.in/CEP/courses.htm>
2. Navigate to “Symposium” from sidebar and apply for “National Symposium and Workshop on Omics Applications for Health and Environment”
3. Optionally an abstract may be submitted as per instructions given below
4. Candidates will be selected on merit basis (limited seats)
5. Selected candidates will be notified via Email
6. Selected candidates must complete payment through the Emailed link to confirm registration

Abstract submission and formatting guidelines-

Abstract submission is preferred but not mandatory. It should contain 250-300 words outlining the central theme(s) of your research work or review.

English: Follow British spelling and punctuation conventions.

Font Size and Style: Kindly use Times New Roman 12 point for the main text.

Heading: The heading should be used as per the following style - 14 pt, Bold, Center

Line Spacing: The line spacing of main text of paper should be 1.5.

Indent: Left and Right indent should be 0.5 on both sides

References: OSCOLA 4th Edition.

Abstract (word document) should be submitted by 30th April, 2023 [link for abstract submission :]

<https://forms.gle/fuuU9kKmwAb6XAB6A>





NATIONAL SYMPOSIUM AND WORKSHOP ON OMICS' APPLICATION IN HEALTH AND ENVIRONMENT

MAY 16th – 17th, 2023

Accommodation-

Accommodation will be provided in the IIT Kharagpur Guest House on payment basis, based on prior request and availability. Room charges D/B AC room per day-single occupancy (Rs. 1000+12% GST), double occupancy (Rs. 750+12% GST). All rooms have double beds with attached bathrooms. All students will be provided shared accommodation.

Important dates-

- Last Date for completing the registration 30th April 2023
- Last Date of confirmation of participation: 1st May 2023
- Last Date for Registration and Payment in IIT Portal: 3rd May 2023
- Date of Conference: 16th – 17th May 2023
- Abstract submission along with registration is preferred

Registration Link: <https://erp.iitkgp.ac.in/CEP/courses.htm>



For Queries -

Mail us at : oahe2023symposium@gmail.com