

# 21 days Short-Term Training on Application of Metagenomic and Proteomic Approaches in the Crossroads of Biological Sciences

(A Refresher Course for mid-career Scientists / UG & PG Teaching faculty)



Sponsored By

Department of Biotechnology  
Government of India

25<sup>th</sup> October - 18<sup>th</sup> November, 2017



Organized By

Department of Microbiology  
Vidyasagar University

**Venue:** Dept. of Microbiology and Bioinformatics Infrastructure Facility (BIF), Vidyasagar University, Midnapore, West Bengal

**Course Content:** Theory & Hands-on training, industrial visit

**Who can attend:** Mid-career scientists & UG/PG Teachers of Biotechnology and allied sciences

**Course fees:** Nil for academic participants.

For Industrial Participants: Rs. 4000.00

(Accommodation will be provided with extra charges on request)

**Last Date of Application:** 25<sup>th</sup> September, 2017

**Total seats:** 25

**How to apply:** Application forms are available in the University website ([www.vidyasagar.ac.in](http://www.vidyasagar.ac.in)).

## Members of the Core-committee:

Dr. Keshab C. Mondal, Dept. of Microbiology (Course Director)  
Prof. Bikas R. Pati, (Retd.), Dept. of Microbiology  
Prof. Chandradipa Ghosh, Dept. of Physiology  
Prof. Jayanta K. Kundu, Dept. of Zoology  
Prof. Subrata K. De, Dean, Faculty of Science (Advisor)  
Prof. Damodar Mishra, Dean, Faculty of Arts & Com. (Advisor)

## Major Topics Include

Genomics  
PCR & RT-PCR  
PCR-Primer designing  
Metagenomics : Overview and Techniques to study microbial ecology  
Evolutionary Genomics & Epigenetics  
Genomic Database & Genome browsers  
Basics of DNA Sequencing  
Next Generation Sequencing  
Microarray Technology  
Gene polymorphism  
Docking, Molecular simulation and dynamics  
Computational analysis for Biological data and disease prediction  
Protein / peptide separation techniques  
Protein based biomarker development  
Metabolomics  
Protein mass spectrometry / structural mass spectrometry  
Quantitative and functional proteomics  
Biosafety norms and intellectual property right (IPR)  
Documentation of QA & QC norms in an Industry

**For contact & application submission :** Dr. Keshab C. Mondal, Course Director  
Department of Microbiology, Vidyasagar University, Midnapore, Pin 721102, West Bengal  
Phone: 094341 96483, Email: [mondalkc@gmail.com](mailto:mondalkc@gmail.com)

21 days Short-Term Training on

## Application of Metagenomic and Proteomic Approaches in the Crossroads of Biological Sciences

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25<sup>th</sup> October – 18<sup>th</sup> November, 2017

Venue: Department of Microbiology, Vidyasagar University, Midnapore

### Application Form

Name of the Participant (In block letters):

Educational Qualification & Research Experience:

Professional Career:

Present Designation (place and nature of work):

Date of Birth:

Corresponding Address:

Phone Number:

Email:

Do you require accommodation at Midnapore Town?

Signature of the Applicant

Date:

Place:

**Recommendation by the Head of the Institute:**

Signature:

Name:

Seal:

Note: For participants employed in public sector no course fee will be required. Course fees of Rs. 4000.00 will be required for other candidates. Payment details will be provided later after confirmation of candidature.

## Evaluation form

*[extra sheet may be attached if necessary]*

1. Research and teaching Experience:
2. R&D facilities available at the laboratory of the participant:
3. Present & future research interests:
4. Scientific Collaborations (if any):
5. Ongoing R&D projects/programmes:
6. Relevant publications by the participant during last 4 years:
7. Provide a brief statement of proposal about how do you intend to make use of this training in your research
8. Did you recently applied or attend any similar course sponsored by DBT?