

Seven days workshop on “Drinking water quality analysis with relation to public health”

Supported by RUSA Component 10 (Entrepreneurship & Career Hub)

Organized by
Department of Microbiology
University of Kalyani, Kalyani-741235, WB

OBJECTIVE:

Hands on training for determining drinking water quality parameter

OUTCOME:

A pool of skilled personnel will be generated who could serve to build community capacity as the resource person for a new way to remain healthy through knowledge passing on availability of safe drinking water as a measure of public health.

TOPICS WILL BE ADDRESSED

- Characteristics of safe drinking water
- Planning for water quality testing
- Sanitary surveys as a means to observe water quality
- Testing options, including portable field kits and laboratories
- Physical, chemical and microbiological parameters and test procedures
- Interpreting water quality test results

TECHNIQUES THAT WILL BE TAUGHT

- MPN counts, Coliform test, Detection of *E. coli*, *Salmonella* and *Citrobacter* species as bioindicators
- Heavy metals, anions and cations, pH, Hardness
- Colour, odour, taste, turbidity, TDS, BOD and COD
- Use of portable kits for water analysis
- Use of Ion Chromatography and Atomic Absorption Spectrophotometer

DURATION OF THE WORKSHOP: (Seven days) March 22nd -28th , 2022 (Tentative)

VENUE: Department of Microbiology, University of Kalyani

PARTICIPATION CAPACITY: 30

WHO CAN APPLY:

B.Sc., M.Sc Student and PhD scholar from any branch of life science

REGISTRATION FEE: 500/- (INR)

Mode of payment will be communicated to the selected participant.

MODE APPLICATION:

Through Google form:

<https://forms.gle/EfiWRSuE7MTDYkbh9>

WORKSHOP COORDINATOR:

Dr. Ekramul Islam, (Email: ekramul@klyuniv.ac.in)

CONTACT DETAILS:

- Professor Samir Kumar Mukherjee
Head, Department of Microbiology
Mob: 9433136617
- Dr. Ekramul Islam,
Assistant Professor, Department of Microbiology, Mob: 8902261685

IMPORTANT DATES:

- Last date of application (Through Email): **March 19, 2022 (5:00 pm)**
- Publication of the final list of selected candidates: **March 19, 2022**
- Commencement of the workshop: **March 22, 2022**