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Hands-on Workshop

Food & Nutrition

*With Special Emphasis on in-Vitro
Genotoxicology Assays*

Event at a Glance

February 16-18
2026



Tocklai Tea Research Institute,
Cinnamara, Jorhat - 785008,
Assam



FOOD & NUTRITION
Genotoxicity



**Advance your
Research
in Food and Nutrition
Safety**

Learn OECD &
WHO-recommended
methods for genotoxicity
testing in a cell line model



Who can attend

Faculty members and
scientists working in
government or private
institutes, colleges,
universities, and NGOs

Research
Scholars/Project Fellows
and professionals who
are pursuing or have
completed Ph.D., MD,
M.Pharm, M.Tech, or
M.Sc. programmes



How to Apply

Register and submit a No
Objection Certificate
(HOD/Dean/Supervisor of
the participant)

Last date of application:
20th January 2026



Scan this QR Code to Register

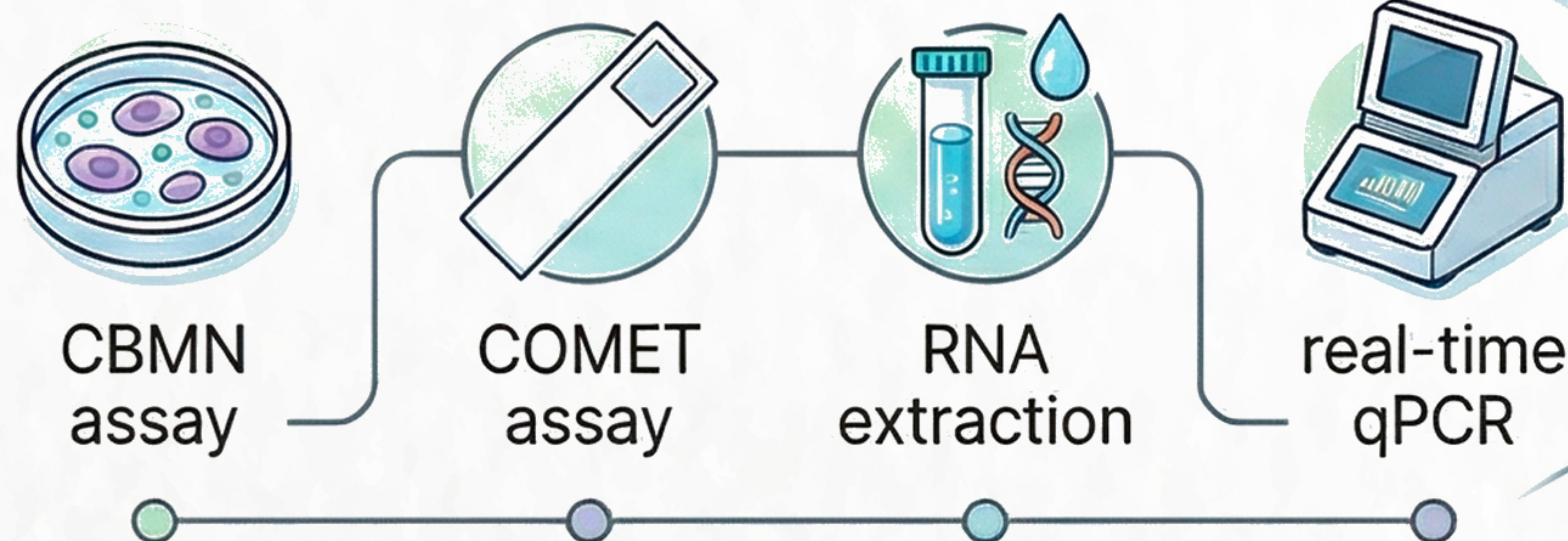
*Registration is free for all candidates

*Accommodation will be provided

This upcoming workshop focuses on Food and Nutrition with special emphasis on in-vitro genotoxicology assays, an essential tool for effective risk assessment and the development of safer, more sustainable edible products. You will gain valuable insight into the importance of genotoxicity testing and learn convenient, practical approaches for conducting these studies using cell line models. The programme offers comprehensive exposure to OECD and WHO-recommended methodologies, including the Cytokinesis-Block Micronucleus (CBMN) assay for genotoxicity analysis in human epithelial cell lines, followed by advanced techniques such as the COMET assay and γ H2AX testing using qPCR analysis - equipping you with critical skills at the forefront of modern toxicological research.

*** Limited Seats: Only 20 participants | Admissions will be granted on a first-come, first-served basis**

Gain Hands-On Skills in Key Assays



Core Skills & Application

16 February 2026

Dr. Jagadish Mahanta, MD

Emeritus Scientist, Chair & Former Director
ICMR – Regional Medical Research Centre NE Region,
Dibrugarh
Topic: Dietary Influence on Chronic and Metabolic Diseases

Scientist, Division of HRD

Department of Health Research (DHR)
Topic: DHR Program on Research Capacity Strengthening to
Disseminate Knowledge and Create Awareness among Medical
and Non-Medical Students, Faculty, and Researchers

Dr. Ravindra M. Samarth

Assistant Professor & AcSIR Faculty
ICMR–BMHRC, Bhopal (DHR, MoHFW, Govt. of India)
Topic: Genotoxicity Tests for Biomonitoring of Toxicants —
Special Emphasis on Chromosomal Abnormalities and

Program Module

- Cell line-based Cytokinesis Block Micronucleus Assay (CBMN)
- Microscopic counting of genotoxicity biomarkers.
- Single Cell Electrophoresis Assay (COMET Assay)
- ImageJ-based COMET counting
- RNA Extraction
- cDNA preparation
- Real-time q-PCR-based gene expression.

17 February 2026

Prof. Anju Barhai Teli

Head of the Department, Biochemistry
Jorhat Medical College & Hospital, Jorhat
Topic: *Linking Gut Microbiota to Metabolic Health: From Diet to Disease*

Dr. Devojit Kumar Sarma

Scientist – D & AcSIR Faculty,
ICMR- National Institute for Research in Environmental
Health, Bhopal,
Topic: *Genoprotective Effects of Tea Polyphenols Against
Pesticide-Induced DNA Damage in Human Lymphocytes*

18 February, 2026

Prof. Md. Kamaruz Zaman

Department of Pharmaceutical Sciences, Dibrugarh
University, Dibrugarh, Topic: Nutraceutical & Pharmaceutical
potential of Garcinia species of Assam with emphasis on
Diabetic Neuropathy.

Organizing Secretary

Dr. Pritom Chowdhury, Scientist

✉ pritomc@tocklai.net

Convener

Dr. Sangeeta Borchetia, Scientist

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Co-Convener

Ms. Diksheeta Sharma, Ph.D. Scholar

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Communication & Media

Mr. Rituraj Sharma

Information Technology

Mr. Kashyap Dutta

Advisory Committee

Dr. Venkatesan Selvaraj
Director, Tea Research Association
Tocklai Tea Research Institute

Mr. Dibyajit Buragohain
Deputy Director Administration
Tocklai Tea Research Institute

Dr. Santanu Sabhapandit
Scientist, Tocklai Tea Research Institute

Working Committee

Ms. Bonani Hazarika
Mr. Paritosh Baruah
Ms. Karabi Gogoi
Ms. Rinki Borah

Important Milestones & Dates



**Application
Deadline**

January 20, 2026



**List of selected
candidates on**
www.tocklai.net

January 31, 2026



**Workshop
Dates**

February 16-18, 2026