



Celebrating 50th Anniversary of Statehood of Meghalaya

**The Department of Chemistry, Shillong College, Shillong
is organizing a National Webinar on**

*“Recent Developments in Nanomaterials Chemistry and Natural
Products Chemistry”*

RESOURCE PERSONS



**Dr. Jasha
Momo H. Anã**

Scientist, CSIR- Indian Institute
of Integrative Medicine, Jammu.
email: hmunshel.jasha@iiim.res.in



**Dr. Subhojit
Das**

Assistant Professor, Department
of Chemistry, NIT, Agartala.
email: sdas.chem@nita.ac.in

**10th
Dec
2021**

**10:00
AM**



Live Webinar via
Google meet

Register here :

<https://forms.gle/9LyeYxjgA4zhdQbn6>

**Note: E-Certificate will be provided
to all participants**

email us : chemistry@shillongcollege.ac.in

Contact: 7005628400, 7085057710

Concept Note:



Nanomaterials Chemistry is one of the most promising disciplines of science. It is a relatively new branch of chemistry that deals with the unique properties of matter associated with assemblies of atoms or molecules at nanoscale size (~1-100 nm). Such materials can be up to 10 000 times smaller than the width of a human hair. In recent years, these materials have emerged as important players in modern medicine, with clinical applications ranging from contrast agents in imaging to carriers for drug and gene delivery into tumours.

Natural products are important sources of new drug molecules or leads, and from time immemorial they have also been used for treatment of various human ailments, and continue to be of value because of their therapeutic properties such as anticancer, antihypertensive, etc. The North-east region is one of the biodiversity hotspots in India and is known to be a bio-resource for many medicinal plants. Such plants have been known to possess pharmacological properties due to active ingredients and phytochemicals.

Objectives of the Webinar:

The webinar will deliberate on

- The fundamentals and recent applications in Nanomaterials Chemistry
- The rich biodiversity of the north-east region and its important significance on being a primary resource for natural products.
- The role of natural products in medicinal chemistry and drug discovery

Organizing Committee

Convener:

Shri K.Umdor,
HOD, Department of Chemistry
Shillong College

Joint Conveners:

Dr C Masharing Dr B. Laloo Dr B. Wahlang
Dr I. Syiemlieh Dr L. Pathaw Shri. M. Dkhar
Department of Chemistry
Shillong College

National Webinar on “Recent development in Nanomaterials Chemistry and Natural products Chemistry”

10th December 2021.

As part of the celebration of the 50th Anniversary of Statehood of Meghalaya, The department of Chemistry organized a National Webinar on the theme “Recent development in Nanomaterials Chemistry and Natural products Chemistry”, 10th December 2021.

The Resource persons for the Webinar were Dr Jasha Momo H Anal, Scientist CSIR Institute of Integrative medicine, Jammu and Dr Subhojit Das, Department of Chemistry, NIT Agartala.

The webinar was conducted through google meet forum and the Resource persons as well as the participants all joined the program through the online mode. The head of the department of Chemistry, Shri. K. Umdor delivered the welcome address followed by a speech from the Principal, Shillong College Dr E. Kharkongor.

In the first session, Dr Subhojit Das gave a very interesting talk on “Nanomaterials”. He highlighted the fact that nanomaterials is one of the most promising disciplines of Science. He gave a short introduction and definition of nano chemistry and outlined certain notable properties of nanomaterials. He went on to illustrate the vast application and utility of nanomaterials in everyday life be it in medicine, technology, chemical synthesis. The first session ended with a lot of questions and queries put forward to the resource person from students and teachers in attendance.

In the second session, the resource person Dr Jasha Momo H Anal delivered a talk on “Natural products”. He noted that Natural products are important sources of new drug molecules or leads and are of considerable importance and value due to their therapeutic properties. He exemplified on the structure and properties of a few compounds extracted from natural product sources. He went on to elaborate on some common processes for extraction and purification of natural products.

The Webinar concluded with a Vote of thanks and Concluding remarks by Dr Larica Pathaw. The webinar was attended by 150 participants from various colleges in the city as well as from other states. There was also one international participant from the University of Utah.

The link for the webinar is <http://meet.google.com/qti-vvbu-oon>

As part of the
CELEBRATION OF THE **50th** ANNIVERSARY
OF STATEHOOD OF MEGHALAYA

NATIONAL WEBINAR
on
**“Recent Development in Nanomaterials Chemistry
and Natural Products Chemistry”**

10th of December, 2021 | Shillong

Organised by:
Department of Chemistry, Shillong College

