



NATIONAL CONFERENCE

on EARTHWORM APPLICATIONS, CANCER PREVENTION & ECO-REMEDIAL TECHNOLOGIES (ECET-2020)

JANUARY 16-18, 2020



About the University

Guru Nanak Dev University was established at Amritsar on November 24, 1969 to mark the 500th birth anniversary of Sri Guru Nanak Dev Ji. It is both a residential and an affiliating university. In conceiving the future course of the University, the objectives enshrined in the Guru Nanak Dev University Act 1969, emphasized that the new University would make provision for imparting education and promoting research in the humanities, learned professions, sciences, especially of applied nature and technology. The University has risen to 16th rank in the top 50 universities of the country, as per recent survey conducted by 'India Today' and has achieved 11th Position, out of the 500 universities, in Publications in science. This year university completed 50 years of excellence and also this year is the 550th birth anniversary of Sri Guru Nanak Dev Ji.

Faculty Development Centre (FDC)

Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT), an initiative of MHRD, Govt. of India, is envisaged to address all issues related to teachers, teaching, teacher preparation and professional development. Under this scheme, FDC have been established to create and strengthen the institutional mechanisms at the center and in the states for augmenting training and discipline wise capacity building of faculty. As per the notification of UGC, all short and long-term capacity-building programmes for teachers/faculty in different pedagogic and discipline-specific areas being conducted by FDC, under the PMMMNMTT scheme shall be considered for fulfillment of the requirements as laid down in Career Advancement Scheme (CAS).

About the Conference

An earthworm is a tube-shaped, segmented worm belongs to phylum Annelida. They have a world-wide distribution and are commonly found in soil rich in organic matter. Earthworm act as an ecological engineers due to their physical, chemical and biological function in the soil and waste management. Physically, they forms burrows in the soil by their movement and thus enable process of aeration and drainage in the soil. Biologically, they improve the soil fertility by converting large piece of organic matter into rich humus. Chemically, they can convert the cancer causing toxic material such as heavy metals into non toxic forms.

Cancer is a group of diabnormal cell growth with the potential to invade or spread to other parts of the body. Cancer has a major impact on society across the world seases involving In 2015, about 90.5 million people had cancer (GBD, 2015). Every year about 14.1 million become prone to cancer, out of which 15.7% population died (GBD, 2015). The most common types of cancer are lung, prostate cancer, colorectal cancer and stomach cancer. The agricultural management practices such as use of chemical pesticides, fertilizers can cause accumulation of heavy metals in soil which was bioaccumulated by the food crops and becomes the part of our food chain and thus causing cancer. The farmers are generally more prone to several type of cancers, including leukemia, non-Hodgkin's lymphoma. Earthworms can stabilize these harmful chemical into non-harmful form in agricultural lands contaminated with heavy metals.

**ORGANIZED BY
FACULTY DEVELOPMENT CENTRE (FDC)**

**&
DEPARTMENT OF BOTANICAL AND ENVIRONMENTAL SCIENCES,
GURU NANAK DEV UNIVERSITY, AMRITSAR**

**Sponsored by:
Department of Higher Education, MHRD, Government of India
Under the Scheme of**

**Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
(PMMMNMTT)**

In Collaboration with

Society for Earthworm Ecology and Environmental Research (SEEER), Uttar Pradesh

Thrust Areas

- Solid and liquid waste management and bioremediation
- Earthworms, soil and plant interaction
- Vermicomposting, Agriculture and Swachh Bharat Abhiyan
- Role of plant products in cancer prevention
- Environment pollutions (Soil, Air & Water) and Cancer
- Isolation of Glucosinolates and others chemo-preventive agents and their applications
- Mechanisms of cancer chemoprevention and chemotherapeutics
- **Immunohistochemistry and image analysis for cancer diagnosis**
- Role of diet and life style in cancer amelioration

Special Event: Workshop/Training session on:

- **Vermicomposting**
- **Histopathology/ Immunohistochemistry for cancer Diagnosis**

Call for Papers/Abstracts

Abstract are invited on above said objectives or related areas (not more than 300 words) of seminar in MS word font 12 (Times New Roman), 1.5 line spacing and should be sent to Organizing secretary on following email address

Email ID: ecet2020gndu@gmail.com

The project coordinator after scrutinizing the abstract will inform about participation, acceptance and mode of presentation (Oral/Poster).

Note: Participants receiving confirmation letter from the project coordinator (FDC) will only be allowed to participate in this conference.

Important Dates:

For Faculty of Universities/Colleges/Institutes & Research Scholar of Any Disciplines

Venue: FDC, New HRDC Building, Near Sadda Pind, Guru Nanak Dev University, Amritsar

Important Information:

- **Online registration at <http://www.hrdc.gndu.org/>**
- **No delegation fee**
- **Boarding/lodging to be provided by FDC in university guest house as per availability.**

Contact & Queries:

Office of Project Coordinator (FDC)

Email: hrdcgndu@gmail.com

Call: 9876111240 and 8146482700 (9 AM to 5 PM)

CHIEF PATRON

Prof. (Dr.) Jaspal Singh Sandhu
Vice Chancellor,
Guru Nanak Dev University,
Amritsar

PROJECT & PROGRAMME

COORDINATOR

Prof. (Dr.) Adarsh Pal Vig
M- 9417062796

ORGANIZING SECRETARY

Prof. (Dr.) Saroj Arora
M-9417285485

ORGANIZING COMMITTEE

- Dr. Rajinder Kaur, Department of Botanical & Environmental Sciences, Guru Nanak Dev University, Amritsar
- Dr. Jaswinder Singh, Department of Zoology, Khalsa College, Amritsar
- Dr. Balbir Singh, Department of Pharmaceutical Sciences, Guru Nanak Dev University, Amritsar.
- Dr. Jatinder Kaur, Department of Botanical & Environmental Sciences, Guru Nanak Dev University, Amritsar

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