

CHIEF PATRON

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EMINENT SPEAKERS

- ❑ **Prof (Dr.) R. K. Goyal** (Vice Chancellor) Delhi Pharmaceutical Sciences and Research University, Delhi
- ❑ **Prof (Dr.) I. P. Singh**, Natural Products Division, National Institute of Pharmaceutical Education and Research, S.A.S. Nagar
- ❑ **Prof (Dr.) Bikas Mehdi**, Department of Pharmacology, PGIMR Chandigarh
- ❑ **Prof (Dr.) Saroj Arora**, Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar
- ❑ **Prof (Dr.) Dr. Richa Shree**, Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala
- ❑ **Dr. Pardeep Mattu**, State Drug Controller, Punjab

**FACULTY DEVELOPMENT CENTRE
GURU NANAK DEV UNIVERSITY, AMRITSAR**



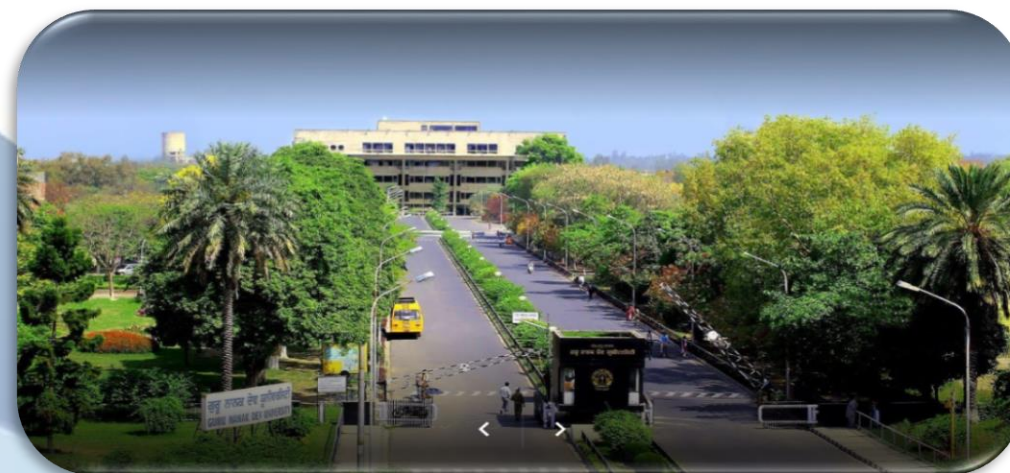
ONE WEEK NATIONAL WORKSHOP

on

HERBAL DRUGS: ISSUES AND CHALLENGES

for

Faculty/ of Universities/Colleges/Institutes/Research Scholar
September 16-22, 2019



Organized by

FACULTY DEVELOPMENT CENTRE

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**DEPARTMENT OF PHARMACEUTICAL SCIENCES,
GURU NANAK DEV UNIVERSITY, AMRITSAR**

Under the Scheme of

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

Department of Higher Education, MHRD, Government of India

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, emphasised 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. The University has won the highest sports Award in the country, the Maulana Abul Kalam Azad Trophy, for a record of 21 times.

Faculty Development Centre

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 Faculty Development Centers (FDCs) 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 Faculty Development Centre (FDCs), under the PMMMNMTT scheme shall be considered for fulfillment of the requirements as laid down in Career Advancement Scheme.

About the workshop

Uniform and high quality raw materials are fundamental to the efficacy and safety of herbal drugs. The problem being faced with herbal drugs is non uniformity in therapeutic efficacy. Several factors are responsible for this problem i.e. biochemical variations due to climatic and geographical conditions, improper identification of the plant material, lack of suitable extraction and standardization procedures and improper storage of plant materials. Moreover good manufacturing practices are also being not properly followed by the manufacturers.

Objectives

This workshop will cover theoretical as well as practical aspects of various problems related to standardization of herbal drugs and their solutions. In this one week program following topics will be covered

- Pharmacognostic parameters or Standardization of herbal drugs:
Identification of raw materials
- Various analytical techniques used for qualitative and quantitative analysis of phytoconstituents
- In vitro* assays for phytoconstituents
- In vivo* studies: selection of animal models for the evaluation of various pharmacological activities.
- Care and handling of laboratory animals
- Preparation of various dosage forms

Duration

The programme is scheduled from Sep 16-22, 2019. Each day, duration of the Sessions will be 9.00 am to 4.00 pm with a lunch break from 1.00 pm to 2.00 pm.

Target Group

Applications are invited from faculty members of Universities/Colleges/ Institutes/Research Scholars to enroll for the programme. Preference will be given to those teachers working in Universities or Colleges under Sections 2(f) and 12 B of the UGC Act, 1956.

Registration

There is no registration fee for participation in the programme. For online submission of Application form/fee & further details, please visit our website: www.hrdcgndu.org. For any registration related queries contact at **0183-2258802-09 Ext. 3178 (9am- 5pm, Mon-Fri)**

Hospitality

Participants will be provided boarding/lodging by the Faculty Development Centre during the Capacity Building Programme in the university guest house/ hostels as per availability.