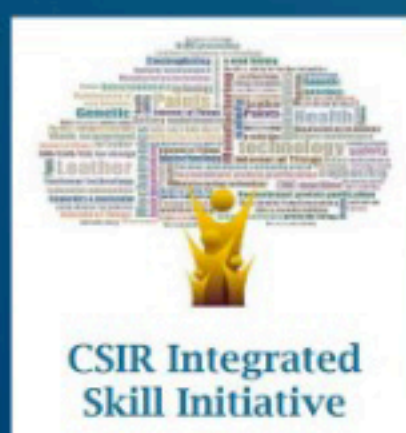


SKILL DEVELOPMENT PROGRAMME

APPLY ONLINE :
<http://sdp.niist.res.in>



Five-Day Training Program On “Comprehensive Herbal Drug Development”



CSIR Integrated
Skill Initiative

CSIR-NIIST
THIRUVANANTHAPURAM



niist
सीएसआईआर का अंतर्विषयी आयाम
Interdisciplinary face of CSIR

TOPICS COVERED

- Overview of herbal drug development and the herbal drug industry in India
- Extraction techniques: Cold, hot, maceration, soxhlet extraction, and bioactivity-guided isolation of phytoactives using column and flash purification
- Standardization of active extracts/fractions using modern equipments
- Pharmacological evaluation: *In-vitro* and *In-vivo* approaches
- Formulation development and analytical method development of finished products
- Preclinical Toxicity and Efficacy evaluation of formulations
- Clinical and Regulatory requirements for herbal drugs

COURSE OBJECTIVES

Since ancient times, Indian Traditional Medicine has been a cornerstone of healthcare practices globally. Understanding the intricacies of herbal product development, validation, industrial application, and clinical implementation of herbal formulations, including clinical trials, is crucial. This training program aims to equip students, researchers, and faculty members with comprehensive knowledge about herbal formulations for both topical and oral delivery, as well as Pharmacological screening of herbal actives, essential oils, and phytoformulations.

COURSE BENEFITS

- In-depth knowledge of phytochemistry and herbal drug development
- Understanding of challenges in plant material selection, extraction techniques, and isolation of active fractions
- Insights into herbal formulation development, product validation, quality control, and the global herbal product market
- Knowledge in conducting bioassays of active ingredients or final formulations for managing ailments, leveraging the synergistic actions of various plant actives. Additionally, thorough understanding of herbal drug development up to commercialization.

ACCOUNT DETAILS

The Director, CSIR-NIIST
Account No: 67047723825
IFSC Code: SBIN0070030
Bank: State Bank of India (SBI)
Address: Pappanamcode,
Industrial Estate

COURSE FEE:

Students: 5,000/-
Faculty: 8,000/-
Industry: 10,000/-

CONTACT

PHONE: 0471-2515326
E-mail: sdp@niist.res.in

Course coordinator:
Dr. A. Kumaran

DATE:
18 to 22 November 2024
(5 days)

<https://www.niist.res.in/english/academics/csir-skill-initiative>