



CSIR-CIMAP

Five Days Training Program on Herbal Drug Development Technologies

16-20 October, 2023



Organized by : CSIR-Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP), Lucknow

CSIR-Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP), a frontier plant research laboratory of the Council of Scientific and Industrial Research (CSIR), is steering multidisciplinary high-quality research in biological, agricultural and chemical sciences, and extending technologies and services to the farmers and entrepreneurs of medicinal and aromatic plants (MAPs). CSIR-CIMAP has made great progress in fundamental research, technology and product development, extension activities and human resource development and played a key role in positioning India as a global leader in production of mints, vetiver and other aromatic grasses, and in ensuring indigenous production of artemisinin - a WHO approved anti-malarial. CSIR-CIMAP has also played a key role in successfully commercializing an ayurvedic herbs-based anti-diabetic formulation, which has now benefitted millions.

Important Dates:

Training program dates: **16-20 October, 2023**

Last date for online application submission: **6th Oct., 2023**

Aims of the training program

India is sitting on the goldmine of well-recorded and well-practiced knowledge of traditional herbal medicine and it has a rich heritage of medicinal plants (more than 8,000 medicinal plant species). Therefore, there is a great need to understand the process of herbal drug development and the technologies used for this purpose. This five days residential training program will help the students/researchers/faculty members and industry persons to understand the basic concept of herbal drug development, pharmacognostic evaluation, chemical characterization of plant extracts and essential oil, *in-vitro* and *in-vivo* evaluation of herbal drugs, and Ayurvedic as well as pharmaceutical formulations.

CONTACT US

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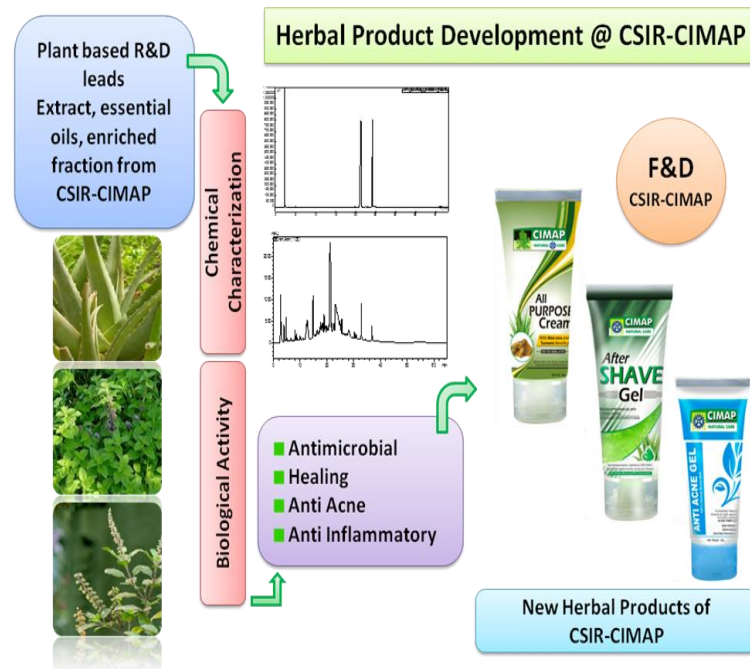
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Training Program on Herbal Drug Development Technologies

- Day 1** Concepts of Herbal Drug Development
Overview on Herbal Drug Industry in India
Pharmacognostic evaluation of Plant Drugs
- Day 2** Extraction Technologies of Herbal Drugs
Plant Drugs and Essential oil
Isolation & Purification of plant drugs
- Day 3** Chemical Characterization of Herbal Drugs
Medicinal plants & Plant extracts
Aromatic Plants & Essential oils
- Day 4** *In-vitro* & *in-vivo* evaluation of herbal drugs
In-vitro evaluation
In-vivo evaluation
Toxicity studies
- Day 5** Herbal Formulation Development
Pharmaceutical Formulations
Ayurvedic formulations



More about training program

Five days training on herbal drug technologies will be provided through interactive sessions of different techniques and experiments by the scientists of CSIR-CIMAP as well as industry personnel working on different aspects of herbal drug developments including pharmacognosist, chemical-engineer, natural product chemist, analytical chemist, pharmacologist, toxicologist, ayurvedic experts and pharmaceutical scientist.

Mode of training program	:	Online
Duration	:	05 Days
Seats	:	25 (First come, first served basis)
Registration fee	:	Rs.5,000/ Students (submit certificate for bonafide student) Rs.8,000/ Faculty persons Rs.10,000/ Industry persons
Mode of Registration	:	Interested candidates have to submit the Registration Form along with course fee (available on CIMAP website)
Payment Mode	:	The demand draft in favour of “ Director, CSIR-CIMAP, Lucknow ” payable at Lucknow or through online transfer.
		Bank Details for online transfer-
Account No.	:	30267691783
Account holder	:	Director, CIMAP, Lucknow
Bank Address	:	State Bank of India, Main Branch, Hazaratganj, Lucknow
Branch Code	:	000125
IFSC Code	:	SBIN0000125
MICR Code	:	226002002

Five days training program on “Herbal Drug Development Technologies”

[16-20 Oct, 2023]

Application Form

Candidate’s Name (in capital letters):

Address for correspondence:

Date of Birth: Gender (M/F):

Mobile No. Email id:

Educational qualification:

Field of Specialization:.....

University/Organization:

Payment Details (Demand draft/ online transfer):
.....

(Signature of Applicant)

Date & Place:.....

Recommendation of supervisor/Head of the institute (Only required for student)

It is certified that the above mentioned information is correct and he/she is a **bonafide student** of this institute/organization.

(Signature and seal of the supervisor/Head of the Department)

Date & place:

Note: Kindly email the dully filled form to np.yadav@cimap.res.in

Contact Person: Dr. N. P. Yadav (Mob.9451244418)