

## Important Dates:

Training program dates: **12<sup>th</sup>-16<sup>th</sup> Feb, 2024**

Last date for online application submission: **05<sup>th</sup> Feb 2024**

### Aim of the E-SDP training program

CSIR-CIMAP, Lucknow having expertise in developing agro technologies, processing, herbal drug development and pilot scale production of the herbal products. However, in this training program will focus on covering all aspects of Medicinal and Aromatic plants i.e., Cultivation, processing, quality control and commercial aspects of MAP's. In addition to that, training program covers Agro technologies of Medicinal and aromatic plants, and its processing towards development of herbal product technologies and their manufacturing process. Indeed, there is a need of training for the cultivators/start-ups/FPO on these technologies.

#### Director

CSIR- Central Institute of Medicinal and Aromatic Plants, PO- CIMAP, Lucknow-226015  
Phone:0522-2718505  
Email:[director@cimap.res.in](mailto:director@cimap.res.in)  
Website:[www.cimap.res.in](http://www.cimap.res.in)

Email: [training@cimap.res.in](mailto:training@cimap.res.in)

Contact details: 0522-2718588, 2718599, 2718602, 2718637, 2718594, 2718606, 2718596, 2718694

### More about training program

Training on E-SDP through Medicinal and Aromatic plants and its value-added products will be provided through interactive sessions of different techniques and experiments by the scientists/Technical staff of CSIR-CIMAP.

Mode of training program	:	off-line
Duration	:	05 Days
Seats	:	20 (First come, first serve basis)
Mode of Selection	:	Through Online/offline interview (MS Team Link will be shared on registered email Ids for online interview)
Mode of Registration	:	Interested candidates have to submit the Registration Form Click Here <a href="https://docs.google.com/forms/d/1Dtrktx97bHn_znmXu7hnpG8OPWkhCViXbI1qao7D4hw/edit">https://docs.google.com/forms/d/1Dtrktx97bHn_znmXu7hnpG8OPWkhCViXbI1qao7D4hw/edit</a>



## Advanced Skill Development Program: Covering all aspects of technologies related to Medicinal and Aromatic Plants

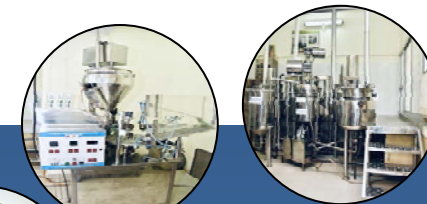


12-16  
February, 2024

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

Sponsored By

DC, MSME,  
Ministry of MSME, New Delhi



REGISTRATION

Click the  
link to  
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CSIR-Central Institute of Medicinal and Aromatic Plants  
(Council of Scientific & Industrial Research)  
Kukrail Picnic Spot Road, P.O. CIMAP, Lucknow-226015  
Email: [director@cimap.res.in](mailto:director@cimap.res.in)  
Website: [www.ciman.res.in](http://www.ciman.res.in)

## CSIR-Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP), Lucknow

CSIR-Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP) is a premier multidisciplinary research institutes under the aegis of CSIR, Govt. of India with its major focus on exploiting of medicinal and aromatic plants (MAPs) by cultivation, bioprospection, chemical characterisation, standardisation of extracts and formulation of bioactive Phyto molecules. Furthermore, intended to catalyse the start-up culture and build a strong and inclusive ecosystem for innovation and entrepreneurs in India. To strengthen the MSME, *CIMAP has established Good Manufacturing Practices (GMP) certified facility namely "Technology Business Incubation Centre (TBIC)" to support/promoting the start-ups/NGO/MSMEs to make them as a self-reliant and sustainable*, which having licensed for manufacturing of Herbal formulations by Ayush license from Govt. of Uttar Pradesh. *TBIC can support the start-ups in respect of manufacturing the herbal products for a period of one year for market seeding upon transfer of technologies from CSIR-CIMAP.*

### Competitive Advantages of the technology:

#### Production of fragrant raw material

**Mint:** Mint leaves create a cool sensation in the mouth. Toothpaste, mouthwash, breath mints, and chewing gum are all commonly flavoured with mint.

**Uses:** Filled with nutrients, improved digestive health, Boost your immune systems, Better brain function and Keep your mouth healthy.

**Lemongrass:** The leaves and the oil are used to make medicine. Lemongrass is used for treating digestive tract spasms, stomach-ache, high blood pressure, convulsions, pain, vomiting, cough, achy joints (rheumatism), fever, the common cold, and exhaustion.

**Uses:** It has antioxidant properties, It has antimicrobial properties, It has anti-inflammatory properties, It may reduce your cancer risk and It may help promote healthy digestion

**Citronella:** Citronella oil is an essential oil that's made from the distillation of the Asian grass plant in the *Cymbopogon* genus. This fragrant grass got its name from the French word meaning "lemon balm," due to its floral, citrus-like aroma.

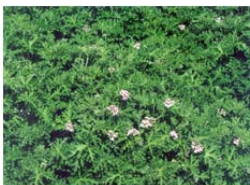
**Uses:** It can be used along with other botanical pesticides and essential oils. The essential oils that can be used with citronella are cinnamon oil, eugenol, and clove oil.

**Geranium:** Geranium Essential Oil works as an anti-inflammatory and anti-septic agent. It is reputed to enhance circulation, soothe symptoms of menstruation and menopause, reduce blood pressure and pain, and boost immunity.

**Uses:** Reducing wrinkles and the signs of aging, Calming and soothing irritated skin and making it glow, Reducing scar tissue and marks caused by skin irritation and reducing the signs of dryness and dandruff on hair.

**Vetiver:** Vetiver is a tall, perennial grass which grows wild in drier, periodically flood inundated tracts, of western and north-central India. It produces spongy, much branched, root system (khus roots) with fine rootlets, containing fragrant oil which is a perfume by itself. The dry aromatic roots are also used to make curtains, mats, fans and other fancy goods

**Uses:** Vetiver is sometimes applied directly to the skin for relieving stress, as well as for emotional traumas and shock, lice, and repelling insects. It is also used for arthritis, stings, and burns.



### About Technology: Making of Incense sticks by using offered flowers:

India has the tradition of offering flowers, leaves, and fragrant smoke to the Gods and Goddesses at places of worship. However, all these offered flowers become sacrosanct and disposed in and around the places of worship or thrown in the river to maintain their sacredness. Air pollution due to the burning of incense sticks and soil and water pollution due to improper disposal of the flower waste are raising concerns for health-related issues. Looking at the problems of the massive amount of offered flowers at the places of worship and toxicity of smoke of the charcoal-based common incense sticks, CSIR-CIMAP, Lucknow developed an innovative technology for making incense sticks and fragrant cones using offered flowers and leaves to reduce the environmental pollution in and around the places of worship. These incense sticks have also been found safe in terms of smoke inhalation based on smoke toxicity studies done by CSIR-Indian Institute of Toxicology Research (IITR), Lucknow, India, and heavy metal toxicity in ash content by CSIR- CIMAP Lucknow.



### FloMop - Aromatic insect repellent floor mopping formulation

**Utility** - FloMop is a herbal insect repellent floor mopping formulation for day to day use. It removes dirt and repels most of the household insects leaving behind a pleasant lemon fresh aroma.

**Potential Users** - Home care product for general use in the houses and offices.

#### USP of the products

- Essential oil based natural insect repellent formulation
- Phenol free, fragrant formulation for cleaning the surface
- Helps prevents illness and diseases caused by household insects
- Easy to use concentrated solution



### Mos-Ex - Mosquito repellent body lotion

#### Utility of the product

Mos-Ex is a mosquito repellent body lotion made from plant based ingredients which also works as skin softener.

**Potential Users** - Mosquito repellent product for general use.

#### USP of the product

- Herbal mosquito repellent formulation in the form of body lotion
- Helps in protecting against diseases caused by mosquito bites
- It can be used indoors as well as outdoors
- It also works as skin softener
- The product is safe, bio-degradable and eco-friendly with no side-effects.

