

## CSIR Integrated Skill Initiative

### SKILL UPGRADING ADVANCE TRAINING PROGRAM ON AGROPROCESSING

|                             |   |   |
|-----------------------------|---|---|
| Title of the Course         | : | AGRO, PROCESSING AND VALUE ADDITION TECHNOLOGIES FOR MAPs |
| Duration                    | : | One week 5 days)  |
| No. of Seats                | : | 10-20   |
| Educational Qualification   | : | Minimum qualification 12 <sup>th</sup> pass               |
| Age group                   | : | 18-50 years   |
| Date of commencement        | : | 8.03.2021   |
| Venue of the course         | : | CSIR-CIMAP, Kukrail, Picnic Spot, Lucknow                 |
| Course fee                  | : | Rs-3000/-   |
| Residential/Non residential | : | Residential   |

#### 1. Agro technologies of important MAPs :

- Importance of region and soil specific aromatic and medicinal plants.
- Importance of good agricultural practices for production of MAPs.
- Importance of harvesting management practices for MAPs.

**Nodal:** Dr. Rajesh Kumar Verma

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#### 2. Processing technology and value addition and formulation of MAPs:

- Constructional and design features of machineries for distillation and extraction of essential oil. Pilot and commercial scale production of essential oils by different techniques and methods and their purification and storage
- Important essential of India: Chemistry and uses. Fundamentals of quality analysis techniques
- Process technology of menthol flakes crystallization. Diversification of aroma chemicals for value addition. Value addition of essential oils and aroma chemicals.

**Nodal:** Er. Sudeep Tandon

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Head, Department of Process Chemistry and Chemical Engineering

### **3. Marketing and field exposure :**

- Present and future market of the MAPs.
- Marketing strategies of MAPs row and value added products.
- Field exposure visit to potential MAPs growers, entrepreneur and MAPs based industries.

**Nodal:** Dr. Ram Suresh/Dr Rushikesh

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