

2 Days Workshop on Herbal Drug Analysis

Workshop on Ayurvedic/Herbal Drugs Analysis

Even though the popularity of herbal medicine in the modern world has increased it still requires to direct three main issues of quality, efficacy and safety of the plants/raw material used for the medicines. All the above requirements along with the lack of trained manpower which is needed to carry out the analysis further increases the problem of efficacy and safety of the drug. So, THS being an herbal/nutraceutical research laboratory which provides services from formulation development to product development from analysis to clinical trials along with regulatory services for domestic as well as international markets. We have realized the problem faced by the herbal/ ayurvedic sector and to help overcome it we have specially designed **Herbal drug analysis training** workshop which is 100% career oriented program for students and professionals in laboratory practices and other techniques. This program is of **two days** at **Total Herb Solutions Laboratory, Mumbai**. This program will help them in the practical aspect of the techniques and instruments which will help them meet the requirements of the ever growing industry.

The workshop will cover practical aspects of herbal drug analysis which include preparation of samples, selection of method of analysis, application of proper method of analysis, interpretation of analytical data, nature of phytoconstituents, application of spectral methods of analysis, etc. The candidates will be exposed to hands on experience on Organoleptic, macroscopical, Microscopical, TLC, Spectrophotometer, HPLC, etc.

Objectives of the workshop

- The main purpose of the workshop is to understand the complexity of herbal drug analysis and to find out the appropriate and scientific solution for the same.
- This will help the Ayurvedic/Herbal Industry to grow faster and gain more recognition worldwide.
- It will also help candidates to master the art of analyzing and understanding the complex structure of the ayurvedic/ herbal drugs

Benefits of attending

- Certificate of Participation.
- Guidance for preparation of testing/stability testing protocol for herbal products
- The program will help in undertaking standardization/analysis and research of herbals in right direction.

Who should attend?

This program is specifically designed for

- **Ayurvedic researchers**
- Graduate and post graduate scholars of **Botany and Medicinal Plants**
- Researchers in **Pharmacognosy and Phytochemistry**, Research & Development Organizations and Planners
- **Ayurvedic, Herbal Drug, Herbal Cosmetics Industry** – R & D Managers, Q.C. Chemists, Policy Developers of Indigenous Medicine/Herbal Sector,

TOTAL HERB SOLUTIONS PRIVATE LIMITED

Corporate Office: Unit no. 116, 1st Floor, Cama Industrial Estate, Sun Mill Compound, Lower Parel (West), Mumbai – 400 013. INDIA.
Telephone # (91) (22) 40560400 Facsimile # (91) (22) 40560404
Email: lab@thscenter.com Website: www.thscenter.com

Timetable for two days

- Workshop duration** : **2 Days.**
- Morning session** : **10.00 to 11.00** Lecture cum discussion,
Tea break 15 minutes.
11.30-1.30 Demonstration/Practical
1.30-2.30 Lunch break
- Afternoon session** : **2.30-3.30** Lecture cum discussion,
Tea break 15 minutes
4.00 - 5.00 Laboratory work, Practical, Demonstration, case study.

The training is structured and designed and conducted by Dr. Kirti Laddha (ICT, Mumbai).

Content

Topics that will be covered during the workshop

- Herbal drug Technology, Current Global Trends and Market for Ayurvedic Medicine /Herbals, Need for Quality Control and Standardization.
- Morphological and Microscopical methods, Organeleptic methods for the analysis of herbal drugs, Substitution and Adulteration of Herbal Drugs/ raw material
- Physical and Chemical methods of analysis of herbal/ ayurvedic drugs.
- Phytochemistry & Phytochemical analysis and extraction of raw material.
- Spectral/Chromatographic analysis of herbal drugs (TLC/ UV Spectrophotometry/ HPLC/Polarimetry etc)

Practical Demonstration and hands on experience

- Different forms of Herbal drugs: Fresh Drug, Dried Crude drug, Powdered crude drug, Extract, Standardized extract, Phytoconstituents.
- Different dosage forms of herbal drugs Churna, Kadha, Vati, Tablet, Capsules, Syrup, Pills, Eyedrops, Rose water, Asava, Arishta. Tailas, Aveleha, Pisthi, Generic and Patent & proprietary formulations.
- Demonstration cum practical of Orgenoleptic, morphological and microscopical analysis of herbal raw material.
- Physical methods of evaluation like ash value, extractive values, moisture determination, Swelling index, refractive index, pH, etc.
- Chemical tests:For Anthraquinones, Flavanoids, Carbohydrates, Proteins, steroids, Alkaloids, Coumarins, etc.
- Demonstration and practicals of TLC, Column chromatography, HPLC, etc.

Note: For further details contact: Mr. Santanu Suresh **email id:** santanu@thscenter.com, 02240560416

Cost for the 2 day program will be Rs. 3000/- (inclusive of Tea/coffee and Lunch. We also provide Jain food or snacks for people who observe fast by informing us). Prior registration is a must and payment must be made in advance. We can also provide training as per requirement of various companies/ colleges or universities etc.

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