

## **Advanced Herbal Technology**

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**Abstract:** *Lately peoples are getting attracted towards herbal medicines due to many benefits. Herbal formulations have achieved extensive acceptability as medicinal agents for several diseases. It is a well-known fact that over 80% of individuals worldwide rely on herbal remedies and products to keep up a wholesome way of life, even though most of these applications are unconventional. This is a development in the use of herbal product has again given height to various forms of misuse and impurity of the products leading to consumers' and the manufacturers' dissatisfaction and in some instances fatal effects. Herbal medicine having significant chemical constituents that having tendency toward treat the disease conditions. Mainly when there is no Allopathic drug Herbal drugs are used. The development of original analytical methods which can reliably profile the phytochemical arrangement, including quantitative analyses of marker/bioactive compounds and other major components, is a major challenged to scientists. Standardization is an important step for the organization of a consistent biological activity, a consistent chemical profile, or just a quality confirmation program for exposition and manufacturing of herbal drugs Recent advancements includes DNA fingerprinting, metabolomics method, differential vibration polarography, chemo metric, X-ray diffraction...etc. are practical. Capillary electrophoresis and chromatographic methods contributions towards standardization of herbal drugs is also documented. Nowadays, seasoning blends are acknowledged as variable therapies for a range of ailments. More than 80%of people on the planet rely on medication and flavouring products to lead healthy lives, even though the majority of those uses are unorthodox..*

**Keywords:** Herbal Technology, Herbal medicine, Standardization, Chromatographic, DNA fingerprinting, Extraction, Purification

### **Objective**

1. Acknowledge the different methods used in modern herbal medicine technology.
2. Gain an understanding of the raw materials used in the production of herbal medications.
3. Be familiar with the ICH and WHO criteria for herbal medication evaluation.
4. Be familiar with natural sweeteners, herbal cosmetics, and nutraceuticals.
5. Appreciate GMP and herbal medicine patents

