

## Safety of traditional herbal medicine

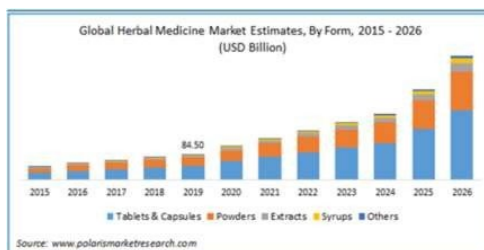
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**Statement of the Problem:** In recent years with ever-growing commercialization in the field of medicinal plants and herbal medicines, there has been an instant demand for quality control studies of the plants used in this system. The challenges are innumerable and enormous, making the global plant market unsafe. This talk seeks to enlighten physicians, pharmacists, consumers, and stakeholders in plant medicine on the need to establish quality parameters for the collection, handling, processing, and production of plant medicine as well; as employ such parameters in ensuring the safety of the global herbal market. The processes of good quality assurance and standardization of plant medicines and products will also be discussed.

**Methodology and Theoretical Orientation:** In the present study an attempt has been made to study the medicinal plants in general from the Selection of Medicinal Plants; Good Agricultural practices (GAP) ; Good Cultivation Practices (GCP); Good Field Collection Practices(GFCP) ; Technical Planning; population density; Geographical distribution; Topographical maps; collecting techniques and procedures; Source and Period of Collection; Identification; Storage; Chemical Standardization; Assay; Current Good Manufacturing Practices (C GMP); Pre clinical studies to Clinical Approach; Good Marketing Practice (GMP), with special reference to maintaining Standardization at each and every stage and subsequent production of quality raw botanical materials/products.

Findings: Different stages, i.e. Quality control studies of raw plant materials, Controlled studies for Method of Processing, Quality Control Studies of the finished product, and Standardization procedures at each stage from the birth of the plants up to its clinical application and marketing have been described.



**Conclusion:** To enlighten Physicians, Pharmacists, consumers, researchers and stakeholders in herbal medicine on the need to establish Quality parameters for the Collection, handling, processing and production of herbal medicine as well as employ such parameters in ensuring the safety of the global herbal market.

### Biography

Mohammad Kamil was MS, MPhil, PhD, DSc, Chartered Chemist (UK) and Fellow Royal Society of Chemistry (London), worked in various capacities, as In-charge - Drug Standardization lab. CCRUM, Ministry of Health, India. He published more than 500 research papers in reputed journals and presentations at international conferences are at his credit, chaired a no. of scientific sessions, delivered talks as plenary and invited speaker at various International Conferences.

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Received Date: November 08, 2022; Accepted Date: November 10, 2022; Published Date: January 31, 2023