

A Review on Advance Herbal Technology

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Abstract: *This review article explores the interface between conventional herbal knowledge and contemporary scientific discoveries as it digs into the most cutting-edge advancements in herbal technology. Despite the fact that over 80% of the world's population relies on herbal products and medicine for a healthy lifestyle, people are only recently becoming interested in herbal medicine. We examine the advancements in herbal technology. Despite the fact that over 80% of the world's population relies on the herbal products and medicine for a healthy lifestyle, people are only recently becoming interested in herbal medicine we examine the advancements made in boosting the effectiveness, bioavailability, and sustainability of herbal products, from novel extraction methods to the incorporation of nanotechnology in herbal formulations. Additionally, the application of data analytics and artificial intelligence to the development of customized herbal therapies is looked at this review attempts to provide a detailed overview of the developing environment of herbal technology by combining data from several disciplines, illuminating its potential to transform healthcare and contribute to a more sustained future. Due to the numerous benefits herbal formulations have as therapeutic agents for various diseases. The qualitative analysis of a marker or bioactive compound and other major constituent is a major challenge to scientists. Standardization is an important step to for the establishment of a consistent biological activity a result of the increase in the use of herbal products, which has also given rise to various forms of abuse and adulteration of the product leading to the consumer and manufacture this disappointment and in some instant fatal consequence.*

Keywords: Advance technology, Herbal medicine, Effectiveness, Identification, Extraction Method