Medicinal plants have been used for centuries as herbal botanical drugs in different indigenous systems of medicine world over. The potential of botanical drugs and their integration in the modern system of medicine is being realized and various regulatory bodies across the globe including USFDA have created regulatory pathway for their clinical trials and approvals.

Increasing demand for botanical drugs has to be supported with authentication and standardization based on molecular and chemical markers, captive cultivation as well as 'chemistry manufacturing and control (CMC)', bio-efficacy, and preclinical safety/toxicity studies, adhering to GMP and regulatory parameters, and clinical trials.

Considering the global recognition and potential of botanical drugs and their growing integration in modern medicine, this niche symposium has been planned. The symposium will include eminent speakers from Industries, R&D institutions, nonprofit institutions, regulatory authorities, such as US-FDA.

**Focus areas of Symposium**

- Sustainable supply of botanical raw materials. Collection, authentication, identification and processing of Botanicals.
- Quality control of plant products using traditional and contemporary techniques.
- Isolation techniques for markers for standardization.
- Bio-evaluation, safety of and preclinical toxicity studies.
- Regulatory aspects of bioactive NCEs and botanicals/nutraceuticals/dietary supplements.
- Industry-institute partnership for improving quality compliance.
- GMP, manufacturing and formulation of botanicals/dietary supplements.

**Invited Speakers**

- Allen D. Gelfius, US-FDA, USA
- Corey Hilmas, US-FDA, USA
- Daniel Fabricant, US-FDA, USA
- L. Walker, University of Mississippi, USA
- Richard L. Summers, University of Mississippi, USA
- Ikhlas A. Khan, University of Mississippi, USA
- Srinivasan Vijayakumar, University of Mississippi, USA
- Farhana Khan, US-FDA (India Office)
- Ranjit Roy Chaudhury, NAMS, New Delhi, India
- Naresh Trehan, Medanta, Gurgaon, India
- G. Geeta Krishnan, Medanta, Gurgaon, India
- Rama Jayasundar, AIIMS, New Delhi, India
- Y.K. Gupta, AIIMS, New Delhi, India
- Ashok Vaid, Medanta, Gurgaon, India
- Ranjit Puranik, Shri Doot Papeshwar Ltd., Mumbai, India
- Manu Jaggi, Dabar Research Foundation, Ghaziabad, India
- Ramesh Mullangi, Jubilant Biosys, Bangalore, India
- Prakash Diwan, College of Pharmacy, Hyderabad, India
- Sudeep Kumar, CSIR, New Delhi, India
- Renu Swarup, DBT, New Delhi, India
- G. J. Samathanam, DST, New Delhi, India

**Venue:** Medanta Duke Research Institute (MDRI), Medanta – Medicity, Gurgaon, India

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