



# Certificate Course on Herbal Drug Standardization Techniques

19<sup>th</sup>, 20<sup>th</sup> & 23<sup>rd</sup> November 2009

Organized by  
**Herbal Technology Section**  
*Industrial Technology Institute*

## For Whom:

Researchers from Universities, Research & Development Organizations, Industrialists, Managers, Chemists, Policy Developers of Indigenous Medicine/Herbal Sector, Science & Technology, Research & Development Planners, Scientists in the Herbal/Indigenous Medicine Sector etc.

## Course Content:

### Topics that will be covered during the certificate course:

- Herbal Drugs – Need for Quality Control and Standardization
- Substitution and Adulteration of Herbal Drugs
- Current Global Trends and Foreign Market for Ayurvedic Medicine
- Standardization Techniques of Herbal Drugs
- Good Agricultural Practices: Collection, Preservation and Storage Techniques of Plants
- Guidelines and Regulations for Registration of Herbal Drugs

### Practical Training in Pharmacognosy and Chemical Analysis

- Pharmacognostical identification – Sampling, physicochemical, macroscopic, microscopic and histochemical analysis
- Phytochemical analysis
- Analysis for content of extractable matter, total ash, acid insoluble ash, water soluble ash and sulphated ash, loss on drying, foreign matter, volatile oil content

### Practical Training in Chromatographic Analysis/Finger Printing

- Thin Layer Chromatography (TLC/HPTLC/Densitometry)
- High Performance Liquid Chromatography (HPLC)
- Gas Liquid Chromatography (GLC)

### Practical Training in Analysis for Contaminants

- Analysis for Heavy metals, Pesticide residues and Microbial purity (Total bacterial and fungal counts and tests for specific pathogens)
- Analysis for Aflatoxin

## Resource Persons:

- (1) Dr G A S Premakumara, Head, Herbal Technology Section, Industrial Technology Institute
- (2) Dr R Samarasekera, Senior Research Officer, Herbal Technology Section, Industrial Technology Institute
- (3) Mr K R Dayananda, Senior Research Officer, Herbal Technology Section, Industrial Technology Institute
- (4) Mr R M Dharmadasa, Senior Research Officer, Herbal Technology Section, Industrial Technology Institute
- (5) Dr. Chandima Wijesiriwardhana, Senior Research Officer, Herbal Technology Section, Industrial Technology Institute
- (6) Dr. Selvaluxmy Chelvendran, Research Officer, Herbal Technology Section, Industrial Technology Institute
- (7) Mr Asitha Siriwardhana, Research Officer, Herbal Technology Section, Industrial Technology Institute
- (8) Ms. Menuka Arawwawala, Research Officer, Herbal Technology Section, Industrial Technology Institute
- (9) Mr. Hasitha Weerathunga, Research Officer, Herbal Technology Section, Industrial Technology Institute
- (10) Ms. Pushpa Fernando, Senior Technical Officer, Herbal Technology Section, Industrial Technology Institute
- (11) Ms. Vasumathi Bandara, Technical Officer, Herbal Technology Section, Industrial Technology Institute
- (12) Mr. Kosala Samarasinghe, Technical Assistant, Herbal Technology Section, Industrial Technology Institute
- (13) Mr P Marasinghe, Senior Scientist (Agriculture), Department of Ayurveda
- (14) Dr Danister Perera, Sri Lanka Ayurveda Council
- (15) Dr R Thiranaganama, Asst. Commissioner, Department of Ayurveda

**Registration Fee:** .15,000/- + 12% VAT + 3% NBT

**(Limited to 20 participants)**

Registration fee includes comprehensive Workshop materials, Lunch, Morning & Afternoon Tea

### Registration Forms to be sent to:

Dr(Mrs) Radhika Samarasekera  
Senior Research Officer  
Herbal Technology Section  
Industrial Technology Institute  
P.O. Box 787, 363, Baudhaloka Mawatha  
Colombo 07  
Tel: 0112693807-9, 0714433815 Fax: 0112686567, 0112691799  
E.mail: radhika@iti.lk / lasanthi@iti.lk

**Registration Form**

**Certificate Course on Herbal Drug Standardization Techniques  
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Prof.  Dr.  Mr.  Ms.  Other

Last Name: ..... First Name: .....

Job title: .....

Organization: .....

Address:.....

.....

Tel: ..... Fax: ..... E-mail: .....

*Please email to [lasanthi@iti.lk](mailto:lasanthi@iti.lk)/[radhika@iti.lk](mailto:radhika@iti.lk) or fax to 0112686567, 0112691799*

Signature: .....

Date: .....

**Coordinator: Dr. R. Samarasekera**

**Industrial Technology Institute, 363, Bauddhaloka Mawatha, Colombo 07**

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