



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



DEPARTMENT OF BIOTECHNOLOGY

REPORT ON ONE DAY SEMINAR ON

**“EVOLUTION OF HERBAL REMEDIES IN INDIA, BRIDGING TRADITION WITH
SCIENTIFIC VALIDATION AND REGULATORY VIGILANCE”**

Date	:	22/3/2024
Timing	:	11.30 am
Venue	:	Digital Classroom
Resource Person	:	Dr R LAKSHMI SUNDARAM ASSISTANT PROFESSOR (RESEARCH) SRI RAMACHANDRA FACULTY OF PHARMACY SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH, CHENNAI
In the presence of	:	Dr Selva Kumar, Principal, AVIT, VMRF.
Convenor	:	Dr. A. Nirmala , Associate Professor & HOD, Biotechnology Department, AVIT, Vinayaka Missions Research Foundation.
Coordinator	:	Staff incharge: Ms.A.Sasikala Assistant Professor Gr II, Dept of Biotechnology, AVIT Student’s coordinators: Kaviya, Dhanusri, Vaishnavi, II-year Biotech
Beneficiaries	:	Open to all streams of engineering and science Target audience: B.Tech Biotech, B.E Pharmaceutical engineering students and Faculties.

HIGHLIGHTS OF THE SEMINAR

Seminar focused on the Evolution of Herbal remedies in India, scientific validation procedure and regulatory vigilance before commercializing the herbal based product to market for medicinal purpose.



AVIT
ARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



AVIT
ARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

DIAMOND
CS I-GAUGE
RECOGNITION

Seminar on
Evolution of Herbal Remedies in India:
Bridging Tradition with Scientific Validation &
Regulatory Vigilance

📅 22.03.2024 | 🕒 11.30 am | 📍 Digital Classroom

Resource Person
Dr. R. LAKSHMI SUNDARAM
Assistant professor (Research)
Sri Ramachandra Faculty of Pharmacy
Sri Ramachandra Institute of
Higher Education and Research,
Chennai-116.

Organised by: Department of Biotechnology, AVIT

**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)

NAAC
Grade 'A'

The Seminar started with the Introduction of the honourable speaker **Dr R LAKSHMI SUNDARAM, ASSISTANT PROFESSOR (RESEARCH) SRI RAMACHANDRA FACULTY OF PHARMACY** by the student coordinators **Ms.Dhanusri & Kaviya, II year B.Tech Biotechnology**. The speaker started his talk highlighting the introduction, availability, demand of herbal medicines, plants and its medical applications in India and globally. He clearly explained the process of choosing the herbal plants, collection, Isolation, extraction and fractionation of phenolic/flavonoid compounds, (phytochemical studies), Invitro antibacterial activity, molecular target identification, bioactivity analysis, anti-inflammatory analysis, antioxidant activity, apoptosis, heavy metals concentration testing, analytical methods like HPTLC, HPLC to check the purity and quantity of the desired medicinal value compounds.

The sessions continued with presentation focusing on Chemical and physical characteristics studies (Pharmacologic study) like solubility, stability, polymorphism, degraded product profile, bioanalytical studies – model, pharmacokinetics, Animal studies and its necessity, toxicology studies, Human Clinical trials, FDA- approval procedure, people involved, licencing the drug, Procedure to get AYUSH certificate and commercializing the product to market.

The session was opened to queries and it was answered by the speaker clearly. The session ended up with vote of thank by **Ms.A.Sasikala, Assistant Professor Gr II, Dept. of Biotechnology, AVIT.**

OUTCOME OF THE SEMINAR

1. Procedure to scientifically validate the herbal medicines isolated from herbal medicinal plants



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



2. Various regularity vigilances to be adopted for product manufacturing and marketing.
3. Seminar was very much useful and informative. Points covered in the seminar will definitely motivate the students and faculties to carry out their research/projects on herbal medicines and commercializing the product with proper procedure for the beneficiaries

PHOTO GALLERY

ONE DAY SEMINAR ON “EVOLUTION OF HERBAL REMEDIES IN INDIA, BRIDGING TRADITION WITH SCIENTIFIC VALIDATION AND REGULATORY VIGILANCE”



**SPEAKER: Dr R LAKSHMI SUNDARAM, ASSISTANT PROFESSOR
(RESEARCH), SRI RAMACHANDRA FACULTY OF PHARMACY, SRI**



**RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH,
CHENNAI**