

DEPARTMENT OF BIOCHEMISTRY

INTER DEPARTMENTAL WORKSHOP

on

SCREENING OF INDIGENOUS HERBS - "BIOASSAY GUIDED FRACTIONATION APPROACH"

28th February, 2019



KARPAGAM ACADEMY OF HIGHER EDUCATION
(Deemed to be University)

(Established Under Section 3 of UGC Act 1956)

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About the Workshop

Traditional medicine is the knowledge, skills and practice of holistic health care, recognized and accepted for its role in the maintenance of health and the treatment of diseases. Nowadays there is a renewed interest in investigating plants for medically useful compounds, with some of the leading pharmaceutical and research institutions involved in this research. More than 50% of the 25 best-selling drugs worldwide were related directly to natural products. Bioassay guided fractionation of plant extracts linked to chromatographic separation techniques may lead to isolation of biologically active molecules with potency to develop as new drugs.

Theme for Workshop

The objective of this workshop is to provide hands on training and basic understanding of bioassay guided fractionation and identification of active biomolecules from medicinal plants.

Level of Participants

All Undergraduate, Postgraduate and Research Scholars of life science could participate in the workshop by sending their registration form on or before 26.02.2019. Spot registration may also be permitted on prior request.

Registration Fees

Registration fee of Rs.200/- will be collected from each participant and this will meet out the expenses of workshop. Preference to the participants will be given on "First come first serve basis". Number of participants for this workshop is restricted to 30. No lunch will be provided.

Technical session

Timings	Event
9.00 am	Registration
10.00 am - 11.00 am	Lecture on Basic technical information about secondary metabolites and their separation
11.00 am - 11.15 am	Tea Break
11.15 am - 1.00 pm	Demo on chromatographic separation and identification of active molecules from plant extracts
1.00 pm - 1.30 pm	Lunch Break
1.30 pm - 3.30 pm	Hands on training on activity guided fractionation with special reference to antioxidant molecules

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