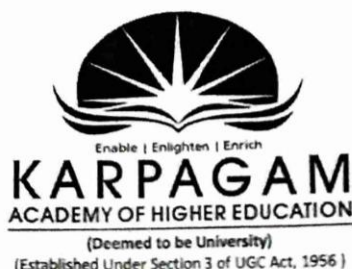


Report on

**Workshops on
"Gas Chromatography Analysis"**

January 09-10, 2020

Organized by



Central Instrumentation Facility (CIF)

&

**Department of Biotechnology,
Faculty of Arts, Science and Humanities
Karpagam Academy of Higher Education
Coimbatore, Tamil Nadu**

Organizing Secretary:

**Dr.A.Sangilimuthu, Associate Professor and Head i/c, Department of
Biotechnology, KAHE, CBE.**

About the workshop:

Module 1. Volatile molecule analysis by Gas chromatography has 2 days hands on training provided to the individuals/students regarding the GC sample preparation and analysis using modern techniques. Metabolite fingerprint is the fast growing field in the biochemistry stream. Through metabolites identification and composition of natural material has wide application in food and pharma industries. This training covered the extraction of essential oil from natural source and gas chromatography analysis of volatile molecules with existing standards.

Day 1: (09.01.2020)

Session 1: Theory session about the isolation and applications of phytomolecules.

Session 2 : Isolation of essential oil from lemon leaves using Clevenger apparatus.

Day 2: (10.01.2020)

Session 1 : Theory about gas chromatography and applications

Session 2: Method creation and analysis of isolated essential oil by Gas chromatography by the participants individually.

Totally 20 participants were registered (expected 20) from Dr N,G,P Arts and Science college , Nirmala College of Women(Coimbatore), Government Arts college (karur). From the participants we received good feedback about the training session and theory session and they are satisfied with the practical explanation. Among them some of the participants were impressed with our laboratory facility because we were provided the facilities (sophisticated equipments) to UG/PG levels of our students. So they expressed their interest to join their higher studies in our institution.