

Date: 19/03/2019



**Dr. Ambedkar College Deekshabhoomi, Nagpur
Dept. of Botany**



Date: 11/03/2019



**Dr. Ambedkar College Deekshabhoomi, Nagpur
Dept. of Botany**



Notice

WORKSHOP ON "AMINO ACID PROFILING"

All the students of B.Sc. Life Sciences are hereby informed that Dept. of Botany, Dr. Ambedkar College Deekshabhoomi, Nagpur is conducting **WORKSHOP ON "AMINO ACID PROFILING"** on 16/03/2019 to become skilled in the said techniques and applications in various fields.

Student participants will gain the opportunity of hands-on training of amino acid profiles.

Venue.: Laboratory II, Dept. of Botany
Dr. Ambedkar College Deekshabhoomi,
Nagpur

Date.: 16/03/2019

Timing.: 11.00 am.

Resource Person:

Dr. Utpal Dongre,
Dept. of Biochemistry & Biotechnology,
Dr. Ambedkar College, Deekshabhoomi, Nagpur

Utpal Dongre
PRINCIPAL
DR. AMBEDKAR COLLEGE
NAGPUR



REPORT

WORKSHOP ON “AMINO ACID PROFILING”

To provide hands-on training on profiling of amino acid to B.Sc. students Department of Botany organized Workshop on “Amino Acid Profiling” on dated 16/03/2019. Dr. Utpal Dongre, Dept. of Biochemistry, Dr. Ambedkar College Nagpur acted as a resource person and Dr. Rahul Kamble Faculty Dept. of Botany coordinated the said workshop.

This workshop aims to introduce the concept and major approaches in amino acid profiling, the knowledge of which is fundamental to further works on amino acid composition, purification and functional studies. In recent years, most areas of proteomics, bioinformatics, mass spectrometry, computational biology and medical informatics have experienced significant advances driven by computational techniques and novel research. Moreover these researches continue to be a vibrant research area with broadening applications and new emerging challenges in life sciences research strategies in the context of protein biochemistry.

Medicinal plants and its natural products are often in the form of protein mixtures which is polymerized by various amino acids through peptide linkages. Amino acids are important targets in biomedical sciences research because it is associated with defects in cell protein machinery. Amino acids profiling is an emerging independent subspecialty of proteomics that is rapidly expanding and providing unprecedented insight into biomedical events.

From this workshop, students have learnt the amino acid profiling techniques and application in biomedical sciences. Participants also got the opportunity of hands-on training by paper chromatographic separation and identification several of amino acids in ethnomedicinal plants by using low, mid and high molecular weight protein biomarkers.

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GLIMPSES OF WORKSHOP

