

5. WORKSHOP CUM HANDS-ON TRAINING ON DETECTION OF FOOD ADULTERANTS



**D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS),
VELLORE**

DEPARTMENT OF CHEMISTRY WORKSHOP CUM HANDS-ON TRAINING ON DETECTION OF FOOD ADULTERANTS

Resource person

Mrs. S. RANJITHA, M.Sc., M.Phil., UGCNET, TNSET

Date: 05.02.2021

Time: 10.00 am

ALL ARE CORDIALLY INVITED

Organizing Secretaries

Dr. S. Santha Lakshmi

Dr. S Sashikala

HOD

Dr. M. Nagarathinam

Management

Principal

Staff members and Students



Workshop cum hands on training was conducted by the Department of Chemistry on 19th February 2020. Mrs. S. Ranjitha, M.Sc., M.Phil., UGC NET., TNSET was the resource person for the Workshop. She explained in detail about the various types of food adulterants used in the food items. She also explained the side effects of consuming such an adulterated food items using videos and slide show presentation. Students interacted with the resource person and clarified their doubts. Totally 48 students of III-B.Sc., Chemistry participated in the program.

Followed by workshop hands-on training was given to the students in UG Chemistry Laboratory. Dr.S. Santha Lakshmi and Dr.S. Sashikala demonstrated various methods of detecting adulterants in food. Hands-on training was given to the students for detecting the

adulterants present in various food samples. The observations were recorded and submitted by the students. Ms. S. Vannie Srilalitha Mageshwari, III- B.Sc., Chemistry demonstrated enthusiastically various adulterants present in different dal items.

List of experiments carried out on that day is given below.

- Detection of artificial colour on green peas
- Detection of white powder in iodised salt
- Differentiation of common salt and iodised salt

- Detection of artificial colour in turmeric powder
- Detection of artificial/water soluble synthetic colours in chilli powder
- Detection of foreign resin in asafoetida (hing)
- Detection of turmeric in sella rice
- Detection of detergent in milk
- Detection of starch in milk and milk products (khoya, chenna, paneer)
- Detection of mashed potatoes, sweet potatoes and other starches in ghee/butter

