



06th – 19th December 2019

**ADD-ON COURSE ON THEORETICAL AND PRACTICAL ASPECTS OF
EXTRACTION AND CHROMATOGRAPHY OF CRUDE DRUG POWDERS**

- ▶ **Academic Year** : **2019-2020**
- ▶ **Duration of course** : **30 Hours**
- ▶ **Class** : **Third Year B. Pharm**
- ▶ **Organized by** : **Pharmacognosy department of Yashwantrao Bhonsale College of Pharmacy**
- ▶ **Mode** : **Lectures and Practical Demonstration**
- ▶ **Date** : **06th – 19th December 2019**
- ▶ **Course Coordinator** : **Ms. Sparsha Bandekar**
- ▶ **Course advisor** : **Dr. Vijay A. Jagtap**

Introduction –

This study strengthens the theoretical and practical concepts of extraction of crude drug powders. From methods of powdering that determines the extraction principle to selection of solvent for maximum yield is an aspect that one needs to practice and develop the skill. Analysis of drugs by phytochemical tests determines its constituents that broaden the way to type of solvent and extraction method. Separation of components according to its therapeutic use is the need of the hour, and its best achieved by separation techniques like chromatography. A detailed course of the same connects the way from traditional knowledge to modern development of drug into its dosage form.

Objectives:-

This course is designed to provide inherent knowledge to third year B. Pharm students as this adds expertise in extraction and analysis beyond syllabus and will benefit those who will pursue research in natural products and chemistry. Overall this course helps with practical knowledge and understanding of theoretical concepts in a depth.

About the Program

Pharmacognosy Department of Yashwantrao Bhonsale College of Pharmacy had organised add on course from 06th – 19th December 2019 on the topic “THEORETICAL AND PRACTICAL ASPECTS OF EXTRACTION AND CHROMATOGRAPHY OF CRUDE DRUG POWDERS”. Syllabus was designed with an intent & the need towards development of their practical skills.of the student of third year B.Pharm.

The inauguration was done by the hands of Hon. Dr. Vijay A. Jagtap Sir, Principal of YBCP along with all the departmental HODs and faculty. The session was enlightened with encouraging words of the Principal, motivating the students who enrolled for the course. The agenda behind the conduction of this value added course was described by Ms. Sparsha Bandekar.

The schedule of course was for 24 days, and total duration of 30 hours, scheduled morning and evening each day exempting the timing especially for the conduct of the course. All the faculty members of the Pharmacognosy, Pharmaceutics, Pharmacology and Pharmaceutical Chemistry were selected as the experts for the conduct of the course based on the subject of topics. The HOD of Pharmaceutical Chemistry Ms. Rashmi Mahabal, expressed her views on the Conduct of course. The inaugural session ended with vote of thanks by Ms. Siddhi Fogucri.

The course was conducted as per the stipulated schedule and time table by the different faculty members. The Theory classes were conducted in the seminar hall and practical were demonstrated in Pharmacognosy Lab and Pharmaceutics Lab on the first floor of college building. Exam was conducted in form of practical activities and seminars by students which were as per the course schedule itself. Feedback was conducted from the students on the last day of session and students were awarded with course certificates.

Glimpses of the Program:



Ms. Sparsha Bandekar
Course In-charge



Dr. Vijay A. Jagtap
Principal
PRINCIPAL
Yashwantrao Bhonsale
College of Pharmacy