



Course Name: Pesticide Chemistry
Course Code: VAC-C-002
Course Coordinator: Dr S. Tyagi
Designation: Assistant Professor
Contact no.: 9319319636
Duration: 09-02-2018 to 31-05-2018

The objective of the program

Slowly but steadily, professionalism is making its presence felt in agriculture sector of India. Prospects of Pesticide scientists and educated agriculturists are increasing, and a good number of universities are offering courses in Agriculture and postgraduate course of with various agricultural specializations like horticulture, forestry, marine fisheries, inland fisheries, sericulture, apiculture (bee keeping) aquaculture, tissue culture, plant breeding, plant biotechnology, environment management, irrigation, soil quality management, etc.

REGISTRATION FORM

Name:.....
Enrolment No.....
Program:.....
Sem. & Year.....
Contact No./Mobile:.....
E-mail:.....
Course Opted:.....
Course Code:.....
Signature with date:.....

Contact Person (Course Coordinator)

Course Name: Pesticide Chemistry
Course Code: VAC-C-002
Course Coordinator: Dr S. Tyagi
Designation: Assistant Professor
Contact no.: 9319319636

Course Schedule

Duration: 09-02-2018 to 31-05-2018

Pesticide Chemistry

VAC-C-004

Objectives: To make awareness among the students on pesticide chemicals

UNIT 1

Introduction: General introduction to pesticides (natural and synthetic), benefits and adverse effects, changing concepts of pesticides, structure activity relationship.

UNIT 2

Synthesis of pesticides: Synthesis and technical manufacture and uses of representative pesticides in the following classes: Organochlorines (DDT, Gammexene,); Organophosphates (Malathion, Parathion); Carbamates (Carbofuran and carbaryl); Quinones (Chloranil), Anilides (Alachlor and Butachlor).

Course Outcomes	
CO1	Able to know the chemistry of pesticides.
CO2	Ability to analyze pesticides.
CO3	Understand the chemistry of drug molecules.
CO4	Ability to apply fermentation techniques.

Reference Books:

1. G.L. Patrick: Introduction to Medicinal Chemistry, Oxford University Press, UK
2. Hakishan, V.K. Kapoor: Medicinal and Pharmaceutical Chemistry, Vallabh Prakashan, Pitampura, New Delhi.
3. William O. Foye, Thomas L., Lemke , David A. William: Principles of Medicinal Chemistry, B.I. Waverly Pvt. Ltd. New Delhi.
4. Cremllyn, R. Pesticides. Preparation and Modes of Action, John Wiley & Sons, New York, 1978.


Registrar
Swami Vivekanand
Subharti University
MEERUT



KERAL VERMA SUBHARTI COLLEGE OF SCIENCE

SWAMI VIVEKANAND SUBHARTI UNIVERSITY
Subhartipuram, NH-58 Delhi-Haridwar-Meerut Bypass Road,
Meerut -250005

Department of Chemistry


Report on Value Added Course

A value added course on “**Pesticide Chemistry**” was conducted in Chemistry department for First year students, Two hour per week. The course starts on **9-02-2018**. The session was handled by **Dr S. Tyagi**, Chemistry on the need for **Pesticide Chemistry**. On that session students learnt how to use pesticides properly and effectively and get good crop without any chemical transformation from one generation to other. Students felt that this value added session on “**Pesticide Chemistry**” was very much useful for them and they got the basic idea for developing their knowledge about how to use Pesticide effectively by avoiding their side effects. It is planned to extend this value added training in the next semester with having more refined, advanced and practical knowledge about pesticides.

HOD

Shraddha

(Department of Chemistry)


Registrar
Swami Vivekanand
Subharti University
MEERUT