

KERALA VERMA SUBHARTI COLLEGE OF SCIENCE DEPARTMENT OF CHEMISTRY

VALUE ADDED COURSE AND ITS OBJECTIVES Session 2016-17



Course Name: Pesticide Chemistry
Course Code: VAC-C-004
Course Coordinator: Dr S. Tyagi
Designation: Assistant Professor
Contact no.: 9319319636
Duration: 18-08-2016 to 30-11-2016



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.

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. Cremlyn, R. Pesticides. Preparation and Modes of Action, John Wiley & Sons, New York, 1978.


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KERAL VERMA FACULTY 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 all year students, Two hour per week. 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

(Department of Chemistry)

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Teacher Students discussion during Value added course

List of Students completed VAC

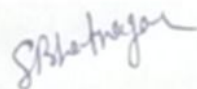
Name of Value-Added Course: Pesticide Chemistry

Course Code: VAC-C-004

S. No.	Enrollment No	Name of Students
1	1606020002275	AKANSHA
2	1606020002280	ANU CHAUDHARY
3	1606020002283	ARYA VIDIT KUMAR TYAGI
4	1506020001515	ADESH KUMAR
5	1506020001517	BHAWNA SHARMA
6	1506020001518	DEEPIKA CHOUDHARY
7	1506020001519	DHARAM SINGH
8	1506020001520	HEMLATA SINGH
9	1506020001521	HONEY SINGHAL
10	1506020001522	MANOJ KUMAR
11	1506020001523	PRITI RANI
12	1506020001528	SHUBHAM CHAUDHARY
13	1406010002325	AKASH
14	1406010002326	VAIBHAV SHARMA
15	1406010002327	SANKUSHAL RANA
16	1406010002329	KM. ISHU
17	1406010002331	SHIVANI MALIK
18	1406010002332	SHIVANI CHAUDHARY
19	1406010002333	SHIVAM YADAV
20	1406010002334	SHAILENDRA CHOUDHARY
21	1406010002335	VIKRANT SINDHU
22	1406010002336	SHUBHAM JAIN
23	1406010002337	SAMRUL HAQ
24	1406010002338	VIBHANSHU SHARMA
25	1406010002339	TEETU CHAUHAN
26	1606010002133	PARAS MALIK
27	1606010002136	PRATEEKSHA SHARMA
28	1606010002148	SHIKHA CHAUDHARY
29	1606010002149	SHIKHA CHAUHAN
30	1606010002152	SHIVANI THAKUR
31	1606010002157	SIDDHARTH GAUTAM
32	1606010002158	SOMYA GARG
33	1606010002162	TEENA TYAGI
34	1606010002163	TWINKLE TYAGI
35	1606010002175	YASHVEER KUMAR
36	1606010003181	SHANKAR VERMA
37	1506020001529	SONAM
38	1406010002340	SHIVA CHAUDHARY
39	1406010002341	SAKSHI
40	1406010002334	SHAILENDRA CHOUDHARY
41	1406010002335	VIKRANT SINDHU
42	1406010002336	SHUBHAM JAIN
43	1406010002337	SAMRUL HAQ
44	1406010002338	VIBHANSHU SHARMA
45	1406010002339	TEETU CHAUHAN
46	1406010002332	SHIVANI CHAUDHARY
47	1406010002404	VIPIN KUMAR HUDDA

48	1406010002348	VANI CHAUHAN
49	1406010002335	VIKRANT SINDHU
50	1406010002325	AKASH
51	1406010002326	VAIBHAV SHARMA
52	1406010002327	SANKUSHAL RANA
53	1406010002329	KM. ISHU
54	1406010002331	SHIVANI MALIK

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Sample Certificate



Swami Vivekanand Subharti University
Meerut
Keral Verma Faculty of Science
Department of Chemistry

Certificate of Value Added Course

This is to certify that Mr./Ms.son/daughter of.....of Course has successfully completed his/her value added course entitled "Basic Analytical Chemistry" during 18-08-2016 to 30-11-2016.

HOD

Course Co-ordinator