DEPARTMENT OF CHEMISTRY

CERRTIFICATE COURSE ON Classification and Uses of pesticides



2022-2023

GOVERNMENT DEGREE COLLEGE PALAKONDA



PARVATHIPURAM MANYAM DISTRICT

Dr.G.Janardhana Naidu

GOVERNMENT DEGREE COLLEGE- PALAKONDA DEPARTMENT OF CHEMISTRY

Palakonda,

Date:04/06/2023

To
The Principal,
Govt. Degree College,
Palakonda,
Parvathipuram Manyam District

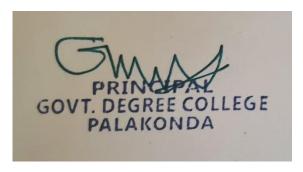
Respected sir,

We, the faculty members of Department of Chemistry submit your notice that we would like to conduct a Certificate course on "Classification and use of Pestisides" for B.Sc. students with the duration of 30 hr's and it will be commence from 07/06/2023 to 08/07/2023.

Hence we humbly request you to accord permission to initiate the certificate course in our department.

Thanking you sir,

Approved



Yours faithfully,

A. Svinira Arw

GOVERNMENT DEGREE COLLEGE-PALAKONDA DEPARTMENT OF CHEMISTRY

CIRCULAR

Date:05/06/2023

The Department of Chemistry is planning to conduct a certificate course on "Classification and use of pestisides" for B.Sc. students. Hence the interested candidates are advised to meet the In-charge or other faculty members of Department of Chemistry.

Participation/merit certificate will be issued to individual after completion of the course.

A. Srinina Anw

Lecturer in-charge Department of Chemistry PRINCEPAL GOVT. DEGREE COLLEGE PALAKONDA

> Principal GDC, Palakonda

INTRODUCTION:

Pesticide: Pesticide is a substance which kills a pest. Any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest (insect, rodent, nematode, fungus, weed, other forms of terrestrial or aquatic plant or animal life or viruses, bacteria, or other microorganisms on or in living man or other animals, which the administrator declares to be pest, and any substance or mixture of substances intended for use as a plant regulator, defoliant, or desiccant.

• OBJECTIVIES:

- To study the persistence/dissipation of pesticides in crops through multilocation supervised field trials in different agro climates following Good Agricultural Practices (GAP) to work out the safe waiting period, approval of label claim and fixation of Maximum Residue Limit (MRL)
- To monitor various agricultural produces/commodities and environmental samples (soil, water) for possible presence of pesticide residues
- To develop and validate simple, sensitive and cost effective analytical methodology for quantification of pesticide residues in different components of the environment

Pesticides are used to control various pests and disease carriers, such as mosquitoes, ticks, rats and mice. Pesticides are used in agriculture to control weeds, insect infestation and diseases.

OUT COMES:

For all pesticides to be effective against the pests they are intended to control, they must be biologically active, or toxic. Because pesticides are toxic, they are also potentially hazardous to humans, animals, other organisms, and the environment

Controlling pests and plant disease vectors. Controlling human/livestock disease vectors and nuisance organisms. Controlling organisms

GENERAL INFORMATION AND COURSE STRUCTURE

Duration of module Training: 30 hrs
 Entry Qualification: B.Sc. students

3. Language: English/ Telugu4. Teaching mode: Offline .

Distribution of training on hourly basis:

| S. | Components to be | Duration | Theory | Days | | | |
|----|------------------|----------|--------|------|--|--|--|
| No | covered | | | | | | |
| | | | | | | | |

| 1 | Introduction and classification of pestisides | 2 | 2 | 2 |
|---|---|----|----|----|
| 2 | Chemical nature and formulation of pestisides | 9 | 9 | 9 |
| 3 | Toxicity and action of pestisides | 9 | 9 | 9 |
| 4 | Uses of pestisides | 9 | 9 | 9 |
| 5 | Review and Assessment | 1 | 1 | 1 |
| | Total | 30 | 30 | 30 |

Syllabus:

- > Pesticide classification
- > chemical nature, formulation
- > toxicity and action etc.
- > Pesticide uses

INSTRUCTION METHODS

Some of the following method of delivery may be adopted

- 1. Lecture
- 2. Video lesson
- 3. Demonstrations
- 4. Group discussions

ASSESSMENT

1. Assignments: 40%

2. Course End Examination: 60%

Assessment Mode: Descriptive and multiple-choice

answers Examination conduction: Offline

The syllabus for value added course on "Classification and uses of pestisides" is hereby approved for the session 2022-23.

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| 5 | CHEM CAUP 005 | G. Urmila | I-MPC | PPP | PP | PPP | 1020 | ap | PPP | | | | PP | PPA | | PP | 27 |
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Question paper

S1: Write the following questions with proper reasoning? (5X5 = 25 M)

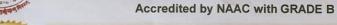
- 1. What are the advantages of the excessive usages of pesticides during the cultivation?
- 2. What is organic forming, Explain?
- 3. How to make awareness on organic farming in Rural area?
- 4. How climate change will happen due to the pesticides?
- 5. Explain the soil pollution with possible reasons?



GOVERNMENT DEGREE COLLEGE PALAKONDA

Affiliated to Dr BR AMBEDKAR UNIVERSITY, SRIKAKULAM





Certificate of Appreciation

This is to certify that Sri/ Smt/ kum A. Abwini,

BSc (MPC), Government Degree College, Palakonda has successfully completed

Certificate course on "Classification & uses of pesticides" conducted

by Department of Chemitry on 21 67 23 with _____

certificate ID: CHEMCAUPOOI

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