

# DEPARTMENT OF CHEMISTRY

## CERTIFICATE COURSE ON Classification and Uses of pesticides



2022-2023

GOVERNMENT DEGREE COLLEGE  
PALAKONDA



PARVATHIPURAM MANYAM DISTRICT

COURSE COORDINATOR

Dr.G.Janardhana Naidu

PRINCIPAL

GOVERNMENT DEGREE COLLEGE- PALAKONDA  
DEPARTMENT OF CHEMISTRY

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Palakonda,  
Date :04/06/2023

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

Respected sir,

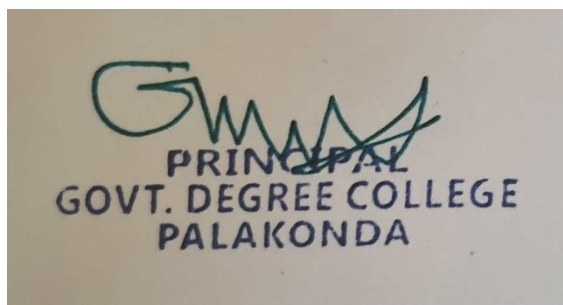
We, the faculty members of Department of Chemistry submit your notice that we would like to conduct a Certificate course on " Classification and use of Pesticides" for B.Sc. students with the duration of 30 hr's and it will be commence from 07/06/2023 to 08/07/2023.

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

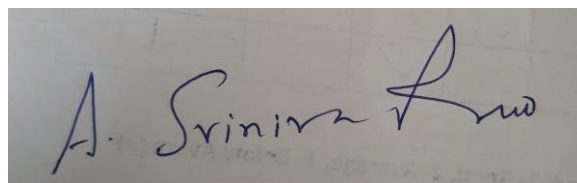
Thanking you sir,

Yours faithfully,

Approved



PRINCIPAL  
GOVT. DEGREE COLLEGE  
PALAKONDA



A. Srinivas Rao

GOVERNMENT DEGREE COLLEGE-PALAKONDA  
DEPARTMENT OF CHEMISTRY

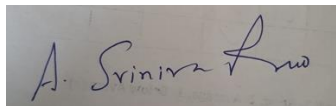
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CIRCULAR

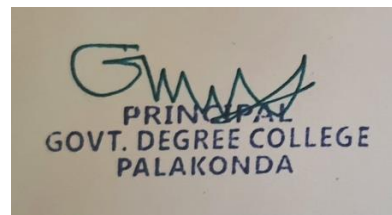
Date:05/06/2023

The Department of Chemistry is planning to conduct a certificate course on “ Classification and use of pesticides” 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.



Lecturer in-charge  
Department of Chemistry



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.

- **OBJECTIVES :**

- To study the persistence/dissipation of pesticides in crops through multi-location 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

1. Duration of module Training: 30 hrs
2. Entry Qualification: B.Sc. students
3. Language: English/ Telugu
4. Teaching mode: Offline .

Distribution of training on hourly basis:

S. No	Components to be covered	Duration	Theory	Days
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1	Introduction and classification of pesticides	2	2	2
2	Chemical nature and formulation of pesticides	9	9	9
3	Toxicity and action of pesticides	9	9	9
4	Uses of pesticides	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 pesticides ” is hereby approved for the session 2022-23.

# REGISTRATIONS

43

S.NO	Name of The Student	Course Year/Group	Date of Registration	Signature
1.	V. Bhanumathi	2 <sup>nd</sup> year MPC	9-6-2023	V. Bhanumathi
2	M. Gowrisankar	2 <sup>nd</sup> M.P.C	9-6-2023	M. Gowrisankar
3	R. Bhavani	2 <sup>nd</sup> M.P.C	9-6-2023	R. Bhavani
4	N. Madhavi	2 <sup>nd</sup> MPC	9-6-2023	N. Madhavi
5	P. Mahalaxmi	2 <sup>nd</sup> M.P.C	9-6-2023	P. Mahalaxmi
6	S. Suchitra	2 <sup>nd</sup> M.P.C	9-6-2023	S. Suchitra
7	Murapaka Sangeetha	I-CBZ	9/6/2023	M. Sangeetha
8	Simhadri Vishalakshi	2 <sup>nd</sup> M.P.C	9/6/2023	S. Vishalakshi
9	vavavalli. mohini	2 <sup>nd</sup> , MPC	9/6/2023	v. mohini
10	Sodipalli sharmila	2 <sup>nd</sup> CBZ	9/6/2023	S. sharmila
11	Sasapu. Pujitha	1 <sup>st</sup> M.P.C	09/06/2023	S. Pujitha.
12	Patsuni Rama devi	2 <sup>nd</sup> CBZ	09/06/2023	P. Rama devi
13	Guttapu swapna	2 <sup>nd</sup> CBZ	09/06/2023	G. swapna
14	chitlakapalli. Eswarkshayani	2 <sup>nd</sup> CBZ	11-06-2023	ch. Eswarkshayani
15	Petta. Murari	I- MPC	11/06/2023	P. Murari
16	S. Mahesh	2 <sup>nd</sup> CBZ	11/06/2023	S. Mahesh
17	T. Dhameelan Rao	2 <sup>nd</sup> CBZ	11/06/2023	T. Dhameelan Rao
18	P. Salkiran	2 <sup>nd</sup> CBZ	11/06/2023	P. Salkiran
19	G. Anandaram	2 <sup>nd</sup> C.B.Z	11/06/2023	G. Anandaram
20	Kottisa. Ashish	I-CBZ	11-6-2023	K. Ashish
21	Bhupathi. Renulca	II - BSC (MPC)	11-6-2023	B. Renulca.
22	Godha. Urmila	II - BSC (MPC)	11-6-2023	G. Urmila
23	Allu. Aswani	II. BSC (MPC)	11-6-2023	A. Aswani
24	Gudivada. Rukmini	II. BSC (M.P.C)	11-6-2023	G. RUKMINI
25	Savara. Parvathi	II. BSC (CBZ)	12/06/2023	S. Parvathi
26	Pogiso. Himaja	1 <sup>st</sup> M.P.C	12-06-2023	P. Himaja
27	Sarasiddi. Bhagyalakshmi	2 <sup>nd</sup> MPC	12-6-2023	S. Bhagyalakshmi
28	Neredi. Sireesha	2 <sup>nd</sup> MPC	12/06/2023	N. Sireesha
29	Rajuru. Somanth	2 <sup>nd</sup> CBZ	12/06/2023	R. Somanth
30	Peddinti. Umavathi Rao	2 <sup>nd</sup> MPC	12/06/2023	P. Umavathi Rao





## 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 farming, 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

Accredited by NAAC with GRADE B



## Certificate of Appreciation



This is to certify that Sri/ Smt/ kum A. Arwini,  
II BSc (MPC), Government Degree College, Palakonda has successfully completed  
 Certificate course on "Classification & uses of pesticides" conducted  
 by Department of Chemistry on 21/07/23 with \_\_\_\_\_

certificate ID: CHEMCAUPOO1

*A. Arwini*  
 E/c of Chemistry  
 GDC - Palakonda.

*[Signature]*  
 IQAC  
 GDC PALAKONDA

*[Signature]*  
 PRINCIPAL  
 GOVT. DEGREE COLLEGE  
 PALAKONDA

