



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Report of Nature Club

St. Aloysius' College , Nature Club in Collaboration with Department of Botany & Microbiology & Department of Zoology Organized an e-lecture on "Parthenium : An unwanted living being" on 23rd August 2021 to mark **16th Parthenium Awareness Week** {ICAR - Directorate of Weed Research (DWR)} focusing to make people aware about "Parthenium Free" land development. The eminent speaker, **Dr. Naveen Patle, Additional Commissioner, DA & FW, & Executive Director, National Bee Board, Govt. of India**, gave an insight on the history of parthenium, effect on human body and main crop, control of parthenium grass and its uses as simple compost and vermicompost. The program was attended by 116 participants of UG & PG students

Objective :-

"Parthenium Awareness Week"

- To have "Parthenium Free" land development.
- To make people aware about Parthenium menace and its management.
- To identify the plants and have its sustainable usage
- To aware its health hazards in men and animals.

ST. ALOYSIUS' COLLEGE (AUTONOMOUS)
Reaccredited 'A+' By NAAC (CGPA - 3.68/4.00)
College With Potential For Excellence By UGC
DST-FIST Supported & Star College Scheme By DBT
Jabalpur, (Madhya Pradesh), India
Session 2021-22

"Nature Club in Collaboration with Department of Botany & Microbiology & Department of Zoology"

Organizes an E-lecture on " Parthenium : An unwanted living being" on the occasion of 16th Parthenium Awareness Week (ICAR - Directorate of Weed Research (DWR))

Resource Person



Dr. Naveen Patle, Additional Commissioner ,
DA & FW, & Executive Director, National Bee Board,
Govt. of India

DATE : 23rd August 2021

TIME: 12:00 - 1: 00 pm (VIRTUAL)

[Click here to Register](#)

<https://forms.gle/69a6yu5fru3L7QaDA>

[Google Meet](#)

<meet.google.com/uvj-zogh->

For any query contact us in under mentioned number:-

9425156079, 9111104979,9893415069

For more details please visit college website : staloyusiuscollege.ac.in

Organizing

Committee

Patron

Rev. Dr. G. Vazhan Arasu
Principal

Convenor

Dr. Shikha Bansal
Head, Deptt of Botany
& Microbiology

Organizing Secretaries

Department of Botany
& Microbiology ,
Department of Zoology

No Registration fee E-certificate
will be issued after active partici-

REC

Shikha Bansal Priya Shripal Dr. Priyanka Sinha
 roshni tiwari ch... ALLEN GEORGE Gayathri Sunil
 Bhumika Thwari MERY PRAVA Shivani verma
 MANSI TYAGI 57 others You

06 PM | E-lecture on " Parthenium : An unwanted liv...

REC Naveen Patil is presenting

Parthenium Grass

1- Introduction-

- Parthenium hysterophorus is a problematic weed to human and floral diversity. It is also known as congress weed, carrot grass, white head etc.
- It is member of Asteraceae family.
- Parthenium is a weed of national significance . It is a native of West Indies and Central America.
- It is an exotic weed and was accidentally introduced in India along with food grain under PL-480 scheme.
- Parthenium hysterophorus was reported for the first time in India in 1956.
- Parthenium hysterophorus is a world wide weed. It has been distributed to many countries in Africa, Asia and the Pacific and has become a major weed in India and Australia.
- spread road sides, waste lands, masonry tanks and fertile lands.

Shikha Bansal Naveen Patil Dr. Priyanka Sinha
 roshni tiwari ch... ALLEN GEORGE Gayathri Sunil
 Bhumika Thwari MERY PRAVA Shivani verma
 MANSI TYAGI 59 others You

1 PM | E-lecture on " Parthenium : An unwanted liv...

REC Naveen Patil is presenting

7- Control of the Parthenium Grass

- Physical Control-** Manual uprooting of parthenium before flowering and seed setting is the most effective method. Uprooting the weed after seed setting will increase the area of infestation. Some landholders have achieved success in ploughing the parthenium weed in the rosette stage before it seeds, but this must be followed up by sowing a crop or direct seeding the perennial pasture. Burning, another strategy employed to manage weed, is not a useful control strategy for parthenium.
- Chemical Control-** Chemical control is an effective method to control parthenium in the areas where its natural enemies are absent. Use of chemical herbicides, such as chloroxane ethyl, glyphosate, atrazine, ametryn, bromoxynil, and metolachlor, are known to be very effective in controlling this weed.
- Biological Control-** Biological control is an environmentally sound and effective means of reducing or mitigating pests and pest effects through the use of natural enemies. In the last three to four decades, a great deal of emphasis has been given to control parthenium through various biocontrol agents like microbial pathogens, insects, and botanicals.
- Allelopathic Control-** The term allelopathy was coined by Molisch (1937), which generally refers to the detrimental effect of one plant species on seed germination, growth, and reproduction of another plant species. Numerous plants are reported to possess allelopathic potential and others have been made to use them in weed control. Competitive replacement of parthenium can be achieved by planting plants like *Cassia senna*, *C. tora*, *C. auriculata*, *Crotto* *hirsutissima*, *Amorpha* *canadensis*, *Trifolium* *repens*, *Hydro* *cotyloides*, *Sida* *spicata*, and *Mimosa* *javanica* which are capable of *...* natural habitats. A study in India revealed that *Cassia senna* reduces the accumulation in parthenium by 70% and parthenium resolution by 57%.

4- SPREAD OF PARTHENIUM

Shikha Bansal Naveen Patil Dr. Priyanka Sinha
 Priya Shripal roshni tiwari ch... Gayathri Sunil
 Bhumika Thwari MERY PRAVA Shivani verma
 MANSI TYAGI 53 others You

15 PM | E-lecture on " Parthenium : An unwanted liv...

REC

Pradeep Singh Naveen Patil Shikha Bansal VASHALI VISHWAKARMA
 Gayathri Sunil MERY PRAVA Shivani verma MANSI TYAGI
 Niharika Tiwari KHUSHI NAMDEO rishika singh Bhumika Thwari
 SAKSHI MISHRA Ruby Tirkey 44 others You

PM | E-lecture on " Parthenium : An unwanted liv...

REC

In-call messages

Let everyone send messages
 New crops remain in green along roads...

Department of zoology 1:04 PM
 SEE MAX

See version
 Propolis
 Royal jelly
 Pollen

Department of zoology 1:07 PM
 FROM Dr Priyanka Sinha

Naveen Patil 1:08 PM
 400.gov.in
 ribbon

Send a message to everyone

Activate Windows
 Go to Settings to activate Windows.