

# PROJECT WORK



## “EFFECT OF CEMENT DUST ON AMARANTHUS VIRIDIS”

(Under Guidance of Prof. Dr. Dara Singh Gupta)

UNIVERSITY DEPARTMENT OF BOTANY  
KOLHAN UNIVERSITY  
CHAIBASA  
JHARKHAND

Submitted By:-

BINITA TIU

M.sc Part -II(Sem-IV)

Roll No. : 202606505898

Reg. No. : KU1513484/2015

# CERTIFICATE



Chaibasa, Jharkhand

This is to certify that the work entitled "EFFECT OF CEMENT DUST ON AMARANTHUS VIRIDIS" authentic record carried out independently by **Binita Tiu**, M.sc. Bot. semester-IV, Sesion-(2019-2021), Roll No.- 202606505898, in the University Department of Botany Kolhan University, Chaibasa with the help of departmental faculty members. Further that no part has been presented or published elsewhere for the

GUIDANCE

*D. Gupta*  
25/9/2021

**Prof Dr Dara Singh Gupta**  
Assistant Professor  
P.G. Dept. of Botany  
Kolhan University, Chaibasa

*Examinis*  
*D. Gupta*  
28/9/2021

*Dr. Krishna Pyare*  
28/9/2021  
H.O.D

**Dr. Krishna Pyare**  
P.G. Dept. of Botany  
Kolhan University, Chaibasa

Project / Dissert / 2/21

# UNIVERSITY DEPARTMENT OF BOTANY KOLHAN UNIVERSITY CHAIBASA



**TOPIC :-EFFECT OF GROWTH OF *Zea mays* L. SEEDLINGS  
BY USING DIFFERENT ORGANIC FERTILIZERS**

**A DISSERTATION SUBMITTED IN THE PARTIAL FULFILMENT  
FOR THE DEGREE OF MASTER OF SCIENCE IN BOTANY.**

**SUBMITTED BY – SAGARIKA SAHOO**

**Roll no-202606505899**

**Regd no-KU1900594/2019**

**GUIDED BY :- Dr. DARA SINGH GUPTA, ASSISTANT  
PROFESSOR, UNIVERSITY DEPARTMENT OF BOTANY, KOLHAN  
UNIVERSITY, CHAIBASA.**

## CERTIFICATE

This is to certify that the work contained the dissertation entitled "EFFECT OF GROWTH OF *Zea mays* L. SEEDLINGS BY DIFFERENT ORGANIC FERTILIZERS", submitted by Sagarika Sahoo (REGD NO – KU1900594/2019 ) for the Degree of Master in science from Kolhan University, Chaibasa is a record of bonafide research work carried out by her.

The dissertation fulfills the requirements of the rules and regulation. The content embodied in the dissertation has not been submitted for any other degree in this or any other university.

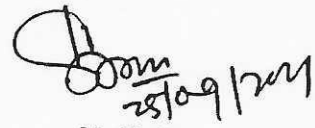
  
25/9/21  
Guidance

**Dr. Dara Singh Gupta**

**Assistant Professor**

**University Department of Botany**

**Kolhan University , Chaibasa**

  
28/09/21  
H.O.D

**Dr. Krishna Pyare**

**University Department of BOTANY**

**Kolhan University , Chaibasa**

Project/Dissert/29/21

**A PROJECT ON**

Phytopathological survey on symptoms, causal organisms of crop  
plant diseases and control measures on plant Solanum  
melongena applying by the local farmers of gitilpi village chaibasa  
west singhbhum district



**DESERTATION REPORT SUBMITTED FOR THE PARTIAL FULFILLMENT  
FOR THE DEGREE OF MASTR OF SCIENCE IN BOTANY**

UNDER THE GUIDENCE OF  
Dr. Dara Sing Gupta

**SUBMITTED BY**

SANGEETA SUMBRUI

ROLL NO:-202606505900

REG.NO:-KU1615798

M.Sc. BOTANY IV<sup>th</sup> SEMESTER

SESSION:-2019-21

KOLHAAN UNIVERSITY CHAIBASA

UNIVERSITY DEPARTMENT OF BOTANY