



॥ न हि ज्ञानेन सद्गुरुं पवित्रमिह विद्यते ॥
Dr. Vithalrao Vikhe Patil Foundation's
Dr. Vithalrao Vikhe Patil
College of Engineering Ahmednagar



DTE College Code: EN-S161

Dr. Vithalrao Vikhe Patil Foundation's
Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar
DEPARTMENT OF ELECTRICAL ENGINEERING

A Report of Webinar on ” **Electricity applications in
Agriculture : Electro culture technology**”

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A Webinar on
“**Electricity applications in Agriculture : Electro culture technology**”
On 29/06/2021 at 11 am through Google meet online platform
Speaker
Dr. Mrs. M. S. Patwardhan
*Assistant Professor Electrical Engg.,
Dr. ASCAET, MPKV, Rahuri.*

Organized by
Department of Electrical Engineering
Coordinator: Prof. Mrs. K. D. Vidhate

To join webinar link is
<https://meet.google.com/rot-nrue-bvk>



Objective of the webinar - to give brief idea about The setup of the electro culture is simple, with high voltage copper wires hanging three-metre above the plant. Electro culture stimulates plant growth with three major mechanisms.

A Webinar on “**Electricity applications in Agriculture : Electro culture technology**” was organized by the Electrical Engineering Department of Dr. Vithalrao Vikhe Patil College of Engineering, on **29 June, 2021 Time – 11.00am- 12.00am** For Third year and final year students of Electrical Engineering Department.



(Signature)
PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

WJ 2021-22

The objective of this webinar was to give brief idea about The setup of the electro culture is simple, with high voltage copper wires hanging three-metre above the plant. Electro culture stimulates plant growth with three major mechanisms:

- The introduction of high-voltage kills all the virus-transmitting diseases and bacteria both in the soil and air.
- The high-voltage wire suppresses the surface tension of water droplets on the plant leaves and accelerates the evaporation.
- The introduction of electricity accelerates the transportation of some naturally charged particles such as calcium ions and bicarbonates, which boost the metabolism process of the plant.

"It does absolutely no harm to the plants or to those peoples standing nearby." Said Prof. Liu Binjiang, agriculture scientist from CAAS and the leader in this project. Electro culture only consumes a small amount of electricity with 15 kilowatt-hours per day for one hectare, which is about half of the electricity usage of an Australian family.

Dr. A.R.Laware, Head of Department, Electrical Engineering, delivered the welcome address and enlightened with aims and objectives of Webinar. He extended warm welcome to all participants and expressed his deep gratitude towards

Dr. Mrs. M. S. Patwardhan

Assistant Professor Electrical Engg.,

Dr. ASCAET, MPKV, Rahuri.

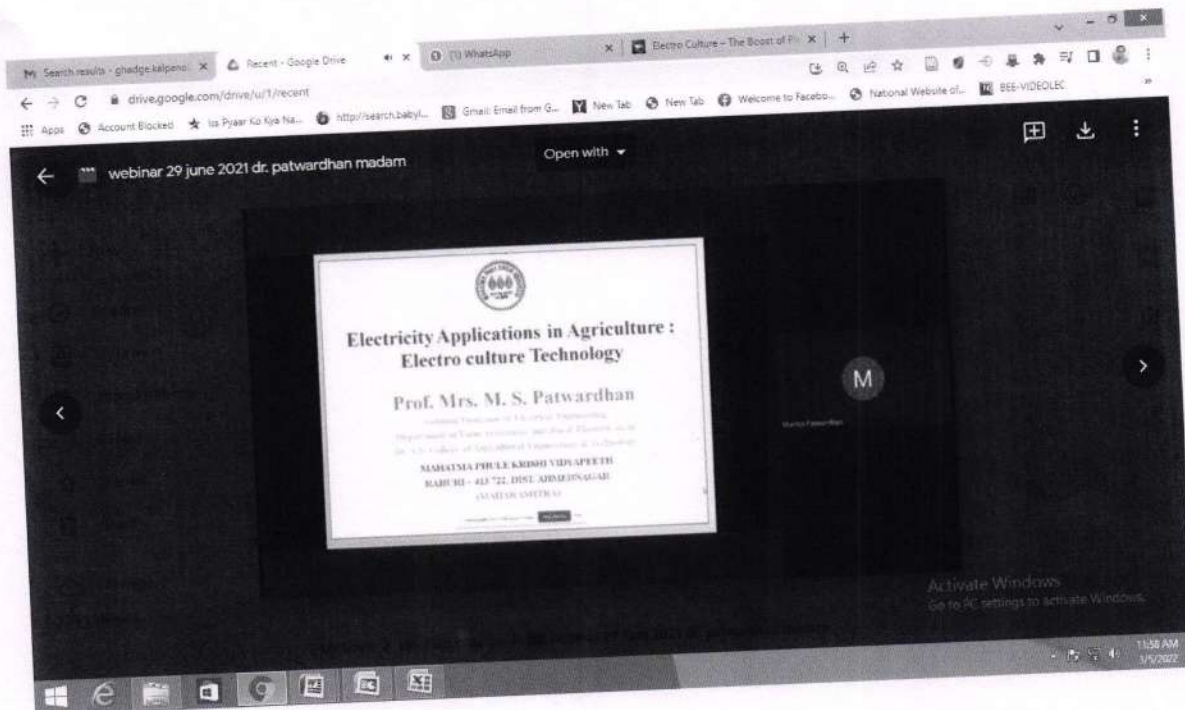
Dr. A.R.Laware expressed special thanks to Shri. Sunil Kalhapure, Hon'ble Deputy Director and Dr. U.P. Naik, Principal of the college for encouragement and support extended towards the Webinar.

Prof. K.D.Vidhate Webinar Coordinator anchored the program nicely. At the outset, Prof. K.D.Vidhate introduced briefly about the technical expert **Dr. Mrs. M. S. Patwardhan madam**

Rutuja lokhande student of TE Electrical Proposed the vote of thanks



6/12/20
PRINCIPAL
Dr. K.D. Vidhate
College of Engineering
Rahuri
Principal



Total 75+ Students from Third year and final year are attended the webinar and get knowledge about The introduction of high-voltage kills all the virus-transmitting diseases and bacteria both in the soil and air. The high-voltage wire suppresses the surface tension of water droplets on the plant leaves and accelerates the evaporation. The introduction of electricity accelerates the transportation of some naturally charged particles such as calcium ions and bicarbonates, which boost the metabolism process of the plant.

The response from the participants about the webinar was immensely good and positive and as per the feedbacks they would like to attend such programs in future. Shri. Sunil Kalhapure, Hon'ble Deputy Director and Dr. U.P. Naik, Principal congratulated and appreciated Dr. A.R. Laware, HOD, Prof. K.D. Vidhate. Webinar Coordinator and all faculty members of the department for the efforts taken towards the grand success in organizing the said webinar.

Staff Coordinator
(Electrical)

H.O.D



Dr. V. Patil
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Ahmednagar

Department of Electrical Engineering

NOTICE

Date: 28/06/2021

All T.E. & B.E. students are hereby informed that Electrical Engineering Department is organizing a webinar (Online) on "Electricity Applications in agriculture: Electro culture Technology" by Dr. Mrs. M.S. Patwardhan, Assistant Professor, Dr.ASCAET, MPKV, Rahuri on 29/06/2021 at 11:00 am.

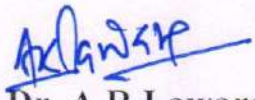
All the students should present for webinar.

This is for strict compliance.




Prof. K.D. Vidhate

Event Coordinator



Prof. Dr. A.R. Laware

H O D



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