



DSAC NEWS LETTER

DHANALAKSHMI SRINIVASAN AGRICULTURE COLLEGE

Patron : **Shri. A. Srinivasan**

Founder-Chairman

Dhanalakshmi Srinivasan Group of Institutions

Perambalur | Trichy | Chennai

Tamil Nadu, India

Chief Editor

Prof. Dr. S. Geetha

Dean, DSAC

Editor

Dr. P. Ramakrishnan

Assistant Professor (GPB)

Members

Dr. T. Vetrivel

Assistant Professor (Horticulture)

Mrs. P. Sudha

Assistant Professor (SST)

Dr. S. Alagendran

Assistant Professor (Biochemistry)

Mrs. M. Kalaiselvi

Assistant Professor (Agri Meteorology)

Mr. N. Vijay

Assistant Professor (CRP)

Mr. A. Senthilkumar

Assistant Professor (SS & AC)

Mr. M. Gokul Pranesh

Assistant Professor (Agri. Extension)

Dr. J. Suresh Babu

Librarian

Dhanalakshmi Srinivasan Agriculture College officially releases DSAC News Letter



The DSAC News Letter (Vol.1 and Issue No.1) was officially released during a function held on 02.08.2018 at Dhanalakshmi Srinivasan Agriculture College, Perambalur. Shri. A. Srinivasan, Founder-Chairman, Dhanalakshmi Srinivasan Group of Educational Institutions released the News Letter and the first copy received by Dr. S. Thangasamy, Vice Chancellor, Tamil Nadu Teachers Education University (TNTEU), Chennai.

72nd Independence Day celebration



The 72nd Independence Day was celebrated in a grand and fitting manner at DS Group of Institutions, Perambalur on August 15, 2018. Shri. A. Srinivasan, Founder-Chairman, hoisted the National Flag and delivered the 72nd Independence Day address. The Founder-Chairman inspected the Independence Day Parade by NCC cadets and NSS volunteers during function. This was followed by distribution of certificates and memento to the prize winners and cultural performance by students. The officials of DS Group of Institutions, The Dean (Agriculture) DSAC, Principals, Head of the Departments, Teaching and Non Teaching staff members and students enthusiastically participated in the Independence Day celebration. During the event, Shri. A. Srinivasan, Founder-Chairman planted tree saplings in the college premises.

Spotting of wild relative of *Vigna radiata* at DSAC, Perambalur

S. Geetha, P. Sudha and P. Ramakrishnan

In the garden lands of DSAC, Perambalur, the wild relative (*Vigna radiata* var *sublobata*) of cultivated green gram was spotted out and being maintained. It is considered to be the wild ancestor of *Vigna radiata* L. (Marechal *et al.* 1978). Though the morphological characters of this type is more

or less similar to cultivated greengram, it differs from cultivated green gram in some of the characters which could be easily identified. The stem of this variety are weak and has a trailing tendency. The leaves are



relatively smaller but dark green in colour with almost blunt leaf tips or without pointed tips. Pink pigmentation is seen on stems, petioles, nodes, stipule bases and in leaf veins. The stipule is larger and slender than greengram. The seed coat colour is brown to black with wavy lines and uneven distribution of white layers. The seeds were foveate in nature. Some of the forms of this wild variety has been reported to be resistant to Bruchids (Fujii and Miyazaki, 1987), Yellow Mosaic Virus (Singh and Ahuja, 1977), with high seed methionine content (Babu *et al.* 1988), with higher photosynthesis efficiency, with tolerance to drought (Ignacimuthu and Babu, 1987) and with higher tolerance to saline and alkaline soils (Lawn *et al.* 1988). At DSAC, Perambalur, also two forms of this wild variety have been identified and their genetic and economic values are being studied.

Seed Scarification

P. Sudha, S. Geetha and P. Ramakrishnan

The wild species of Bhendi (*Abelmoschus ficulneus* L.) and Greengram (*Vigna radiata* var. *sublobata*) have been

spotted in the garden land of DSAC Farm. One of the major associated problems identified in the seeds of Bhenidi and Greengram is hard seed coat which makes it impermeable to gases and water in to the seeds that would affects percentage of the seeds fails to germinate. As it is desirable to improve germination of seeds, the mechanical and acid scarification techniques were designed to soften hard seeds. In the mechanical scarification, sand and seeds were mixed in 2:1 ratio and rubbed against the hard surface until slight exposure of cotyledon of seeds. In acid scarification, the seeds were soaked in concentrated sulphuric acid (100 ml/Kg of seed) for three minutes and rinsed thoroughly with water and immediately air dried before sowing.



This study reveals that mechanical scarification in seeds of wild greengram showed improved seed germination, whereas in wild bhenidi both mechanical and chemical scarifications were not as effective. Further, thorough scarification studies will be taken up to break hard seed coat of these wild species.

Study Tour

A group of 58 B.Sc. (Hons.) Agriculture students of the Dhanalakshmi Srinivasan Agriculture College, Perambaur went on a study tour for five days from June 19-23, 2018 to visit the TNAU, Coimbatore (Directorate of Extension Education, Agricultural Microbiology Unit, Remote

Sensing and GIS, Agricultural Engineering College, Horticulture and Agro Climatic Research Centre), and Central Soil and Water Conservation Institute, Ooty. Students were



exposed to remote sensing techniques and soil survey activities using remotely sensed data by the satellites. They learnt about the functioning of satellites and the principles of remote sensing and its application in agriculture. Here, students were also learnt about remote sensing and geographical information system (GIS) for soil mapping.

NSS Fire and Safety Rescue Training Programme at DSAC, Perambalur

A training programme on “Fire and Safety Rescue” was organized by the NSS unit of Dhanalakshmi Srinivasan Agriculture College, Perambalur on 24.07.2018.



Mr. S. Ganesan, District Fire Officer, Tamil Nadu Fire and Rescue Services was the chief guest. Fire and Rescue team demonstrated the fire safety measures and the precautions to be taken during fire accidents. Practical training was also given to the students on the usage of fire fighting equipments. Mrs. P. Ganthimathi, NSS coordinator has made the required arrangements.

Paper-less Class Test to the DSAC Students



Dhanalakshmi Srinivasan Agriculture College adopted a computer based class test / revision test in April 2018 as online examination could self assessing personal and well-designed than its paper counterpart. Students took up this mode of exam enthusiastically.

Faculty Weekly Seminar

S. No.	Date	Seminar Title	Speaker
1.	04.07.2018	Food processing - Canning	Mrs. P. Ganthimathi Asst. Professor (FSN)
2.	11.07.2018	Scope for organic agricultural products in India	Mr. M. Gokul Pranesh Asst. Professor (Agrl. Extn.)
3.	27.08.2018	Post harvest disease and their management	Mr. G. Karthikeyan Asst. Professor (Plnt Pathol.)

Publication

ப. சுதா சே. கீதா மற்றும் ப. இராமகிருஷ்ணன். 2018. பெரம்பலூர் மாவட்டத்தில் சொட்டு நீர் பாசனத்தில் வம்பன் 8 உழுந்து சாகுபடி. உழவரின் வளரும் வேளாண்மை, மலர் - 09, ஜூன் 2018, (வைகாசி-ஆனி) இதழ் - 12. பக்க எண்கள். 32-34.

Published by

Dhanalakshmi Srinivasan Agriculture College
Perambalur - 621 212
Tamil Nadu

Visit us @www.dsagri.in