



ADHIYAMAAN

COLLEGE OF AGRICULTURE & RESEARCH

(Run by Adhiyamaan Educational and Research Institutions - Chennai)
(Affiliated to Tamil Nadu Agricultural University, Coimbatore-3)



Athimugam (Village), Shoolagiri (Taluk), Krishnagiri (District), Tamil Nadu, Pin - 635 105.

ACAR Newsletter

Dr. Banumathy Thambidurai, Chairperson and
Managing Trustee, AERI

Patron

Dr. S. Sridharan, Principal, ACAR

Chief Editor

Dr. S. Janani, Assistant Professor (AEX) and
Head (Social Sciences)

Editor

REPUBLIC DAY CELEBRATION



Seventy second Republic day celebration was conducted with great enthusiasm and fervour at ACAR. Dr. P. Lakshmanakumar, Principal in-charge hoisted the National Flag and delivered the special address. The staff of the college attended the Republic day celebration with due respect and commitment.



INTERNATIONAL YOGA DAY

International Yoga Day celebration was conducted virtually due to the COVID - 19 pandemic at ACAR on 21.06.2021. The NSS volunteers of ACAR performed the Asanas to improve physical, mental, emotional and spiritual health.

FIELD DAY



A field day on the establishment of wheat crop was organized at Thirupattur district by the

Editorial Committee Members:

Dr. G. Subashini, Assistant Professor (PBG) & Head (Crop Improvement), Dr. P. Lakshmanakumar, Assistant Professor (AGR) & Head (Crop Management), Dr. D. Elumalai, Assistant Professor (AEN) & Head (Crop Protection), Dr. D. Vasudevan, Assistant Professor & Head (Horticulture)

Departments of Social Sciences and Crop Management on 07.01.2021. In the field day programme, Dr. H. Vijayaraghavan, Principal, ACAR explained the production technology and package of practices of wheat crop to the farmers. Twenty farmers attended the field day programme.

Academic Activities

AWARENESS ON ANTI-RAGGING



Dr. H. Vijayaraghavan, Principal, ACAR constituted a committee with Academic Coordinator, Staff Advisor, NSS Coordinator, Deputy Warden (Boys & Girls Hostels), Assistant Wardens (Boys & Girls Hostel), respective Year Coordinators and Physical Director to monitor the students of ACAR to prevent ragging in any form of harassment to the newly joined freshers. The students were sensitized on the punishment to the students who involved in ragging under Section 4 of Prevention of Ragging Act 1990.

STUDENTS EXPOSURE VISIT



Students of Second year B.Sc. (Hons.) Agriculture (2019 Batch) of ACAR attended the

exposure visit to Horticulture Research Station, Yercaud and Soil Testing Laboratory, Salem from 9 March 2021 to 11 March 2021. The exposure visit was arranged by the faculties of ENS 201 Environmental Studies and Disaster Management (2+1), SST 201 Principles of Seed Technology (2+1) and HOR 211 Production Technology for Vegetables and Spices (2+1). The students were exposed to various activities of research station and soil testing laboratory. In addition, they also visited Kurumbampatti Zoo, Salem and Cauvery peak, Yercaud for assessing the biodiversity of flora and fauna and the forest ecosystem.

RAWE - EXHIBITION



The final year students of ACAR (2017 Batch) completed their Rural Agricultural Work Experience (RAWE) Programme for 75 days, which comprises of ADA Attachment (5 days), Village Stay Programme (60 days), NGO Attachment (5 days) and Agro Industrial Tie Up (5 days). The students were allotted to 10 different blocks of two districts viz., Krishnagiri (Kelamangalam, Hosur, Shoolagiri, Krishnagiri and Kaveripatinam blocks) and Dharmapuri (Dharmapuri, Nallampalli, Palacode, Pennagaram and Karimangalam blocks) with the consent of Joint Directors of Agriculture of the concerned districts. The course teachers incharge of RAWE Programme were Mr. S. Vijay, AP (Agrl. Extension), Dr. M. Kavinila AP (Agrl. Extension) and Dr. S. Janani, AP (Agrl. Extension). A student's exhibition followed by presentation were conducted after completion of RAWE programme.

FAREWELL PARTY



The final year students of ACAR (Sniper Phoenix) were given farewell in a fitting manner by the juniors (Fanatic Eagles) on 10th January 2021. Dr. R. Jagannathan, Vice Chancellor, Periyar University graced the occasion as chief guest and delivered the presidential address. Dr. H. Vijayaraghavan, Principal, ACAR; Mr. P. Kalamegam, Manager; teaching and non-teaching staff members of ACAR also attended the programme. The outgoing students shared their memories followed by cultural programmes hosted by the juniors.

Research Activities

The project research activities of students are furnished hereunder.

S.No.	Title	Project Guide
1	Determination of Lethal Dose Effect of Gamma Ray and Ethyl Methane Sulphonate (EMS) on Germination Percentage and Seedling Parameters in ADT 51 Rice	Dr. D. Rajarajan, AP (PBG)
2	Invitro Variability Studies in Rosa sp. - Shoot Tip Culture	Dr. G. Subashini, AP (PBG)
3	Effect of Vermiwash Treatment on Seed Germination and Seedling Vigour (Maize, Sorghum, Red Gram and Black Gram)	Dr. M. Govindaraj, AP (SST)
4	Micropropagation of Banana (Musa sp. Cv Grand Nine)	Mr. M. NirmalBharathi, AP (ABT)
5	Weed Control through Herbicides in Blackgram under Irrigated Condition	Dr. P. Lakshmanakumar, AP (AGR)
6	Assessment of Soil Fertility through the Soil Major Nutrient Analysis in ACAR Farm	Mr. R. Mukesh, AP (SS&AC)

Extension Activities

FIELD DEMONSTRATION



A field demonstration on “Integrated Pest Management in Vegetable Crops” was conducted at Berigai Village, Shoolagiri Taluk, Krishnagiri District on 10.02.2021 by the Dept. of Plant Protection in association with Dept. of Social Sciences. About 20 farmers from Berigai village attended the field demonstration programme. Dr. D. Elumalai, AP (AEN), Mr. S. Senthil Kumar, AP (PAT), Ms. S. K. Pavithra Dharani, AP (AEN), Ms. P. Prathima, AP (PAT) and Mr. S. Vijay, AP (AEX) facilitated the programme. The pest management technologies like IPM, biological control and pesticides usage were demonstrated.

S.No.	Title	Project Guide
7	Site Characteristics and Soil Profile Description of ACAR Farm	Mrs. V. Arthi, AP (SS&AC)
8	Isolation and Characterization of Sulphur Oxidizing Bacteria from different Ecosystem	Mr. C. Dharmadurai, AP (AGM)
9	Biological Management of Chilli Damping Off	Mr. S. Senthil Kumar, AP (PAT)
10	In-vitro Efficacy of Phyto Extracts against <i>Macrophomina phaseolina</i> causing Dry Root Rot in Pulses	Ms. C. Prathima, AP (PAT)
11	Evaluation of Botanicals, Mycopathogens and Insecticides for the Management of Thrips and Pinworm on Tomato under Open Field Condition	Dr. D. Elumalai, AP (AEN)
12	A Comparative Study on different Markets in Krishnagiri District	Dr. A. Revathy, AP (AEC)
13	A Study on Different Supply Chain of Tomato Marketing in Hosur	Mr. R. Harish, AP (ARM)
14	Development of Nutrient Kit for Increased Growth and Yield of Grow Bag Grown Vegetables	Dr. J. Kabariel, AP (HOR)
15	Development of Cookies from different Seeds Flour for Diabetes Mellitus Patients	Mrs. P. Indumathi, AP (FSN)
16	Effects of Different Potting Media Combinations on Performance of African Marigold (<i>Tagetes erecta</i>)	Dr. V. Vasudevan, AP (HOR)
17	Standardization of Auxin Product for Rooting of Betel Vine	Dr. Suresh Kumar, AP (HOR)
18	Studies on Production and Yield Performance of Oyster Mushroom <i>Pleurotus ostreatus</i> (Jacq. Fr.) kumm using different Agricultural Substrates on North Tamil Nadu	Mr. M. Sathya Sivanantha Moorthy, AP (PAT)
19	A Study on Agricultural Problems faced by Farmers in Pandemic Situations	Dr. M. Kavinila, AP (AEX)
20	Estimation of Unsaturated Hydraulic Conductivity through Inverse Modelling using HYDRUS - 1D	Er. M. Karthick, AP (Agrl. Engg.)

FIELD DEMONSTRATION



Demonstration of Integrated Pest Management in Vegetable Crops

ON CAMPUS TRAINING



On Campus ATMA Training

A training programme on Integrated Crop Management in Pulses was arranged at Adhiyamaan College of Agriculture and Research by the Department of Agriculture, Govt. of Tamil Nadu under the scheme Agricultural Technology Management Agency (SSEPERs 2020-2021) for the farmers of Arcot block, Ranipet district from 18.02.2021 to 20.02.2021. The faculties of ACAR delivered lectures on various crop production technologies of pulse crops followed by interaction and discussion with farmers. Forty farmers who attended the training programme were taken around the farm to show the activities in Agriculture, Horticulture and Animal Husbandry units of ACAR. The trainees were distributed with certificates for their successful completion of the training. A hand book on "Production Technologies of Pulse Crop" was also provided to the farmers.



On Campus ATMA Training

Farm Activities

CROP CAFETERIA SOWING



Crop Cafeteria Sowing

A cafeteria of field crops viz., paddy, wheat, maize, sorghum, cumbu, ragi, thenai, panivaragu, lab lab, gingelly, sunflower, groundnut, mustard, sugarcane, black gram and green gram was raised in ACAR farm on 04.03.2021. The sowing operation was carried out by the faculties of ACAR.

COCONUT GARDEN



Establishment of Coconut Garden

Two and a half acres of Coconut garden with Arasampatti Tall and Malaysian Dwarf was established in ACAR.

GOAT UNIT AND SHEEP UNIT



A goat and sheep unit is maintained in the ACAR farm for commercial purpose. Forage crops like fodder sorghum, hedge lucerne and agathi were raised in two acres of land.

METEOROLOGICAL DATA

The meteorological data for the I half year of 2021.

Month	Max Temp (°C)	MiniTemp (°C)	Rainfall (mm)	Sunshine (Hrs)	Evapotranspiration (mm/day)
Jan	27.87	14.42	0.00	202.50	80.10
Feb	30.64	12.79	3.702	26.04	102.40
Mar	31.84	17.42	125.40	227.70	114.20
Apr	34.30	20.57	6.70	238.70	112.90
May	33.77	22.45	24.10	477.40	235.40
Jun	31.67	21.60	55.30	149.55	136.10
	31.68	18.21	215.20	1521.89	781.10

ESTABLISHMENT OF SHADE NET



A shade net unit was established at ACAR with the dimension of 20X16m which is currently used for housing tree saplings, ornamental plants, vegetable and fruit plants.

NSS Activites

AWARENESS PROGRAMME ON COVID -19

The NSS volunteers of ACAR created awareness on COVID - 19 through online mode on 20th April 2021. The students explained the key precautionary measures like frequent hand washing, use of sanitizers regularly, wearing of masks and following social distancing. NSS volunteers of ACAR also distributed free food, mask and sanitizers to the needy people in some of the neighbouring villages.

NTA Centre

The following exams were conducted at the ACAR's NTA centre.

S. No.	Exams	Date	Candidates Appeared
1.	JEE MAINS	23.02.2021 to 26.02.2021	390
2.	IBPS	28.02.2021	117
3.	JEE MAINS	16.03.2021 to 18.03.2021	150

Special Lecture

- **D. Elumalai**, delivered special lecture. Management of Pests in Vegetable Crops at Shoolagiri Block, Krishnagiri District, Tamil Nadu on 05.01.2021.
- **D.Elumalai**, delivered special lecture. Management of Pests in Red Gram, ATMA Training, Athimugam, Krishnagiri District, Tamil Nadu on 20.02.2021.

Visitors

- ♠ 10.01.2021 - Dr. R. Jagannathan, Vice Chancellor, Periyar University, Salem.

Published by Adhityamaan College of Agriculture and Research, (Affiliated to Tamil Nadu Agricultural University, Coimbatore - 3) Athimugam (Vill.), Shoolagiri (Tk.), Krishnagiri (Dt.) - 635 105.
www.acar.ac.in

Issued on : 27.08.2022