



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

Patron: Dr. Banumathy Thambidurai, Chairperson and Managing Trustee, AERI

Chief Editor: Dr. H. Vijayaragavan, Principal, ACAR

Editor: Dr. S. Janani, Assistant Professor (Agricultural Extension)

College Activities

DISTRIBUTION OF CORONA RELIEF PRODUCTS



On behalf of Adhiyamaan College of Agriculture and Research, Athimugam, Shoolagiri, Corona Relief Products were distributed to the villagers on 20.05.2020 by Mrs. Lavanya Hemnath, Union Chairman, Shoolagiri. Around 2400 packs of relief products were distributed to the people of Chettipalli, Kotangiri and Amkondapalli panchayats. Each pack of relief products comprises of Rice, Pulses, Salt, Chilli Powder, Sambar Powder and five different vegetables like Onion, Tomato, Cabbage, Bottle Gourd and Radish.

MASS PRODUCTION OF AZOLLA

Azolla (Azolla sp.) is an aquatic fern consisting of a short, branched, floating stem, bearing roots which hang down in the water. It can be used as an animal feed, a human food, a medicine and water purifier. It may also be used for the production of hydrogen fuel, production of biogas, control of mosquitoes and the reduction of ammonia volatilization which accompanies the application of chemical nitrogen fertilizer.

ACAR has started the production of Azolla in large scale in the college farm. The azolla unit was inaugurated on 09.06.2020 by Dr. H. Vijayaragavan, Principal, ACAR and Mr. P. Kalamegam, Manager. All the teaching and non-teaching staffs of ACAR were present during the inauguration. The unit is being monitored by Ms. P. Reka, AP (AGM) and Mr. C. Dharmadurai, AP(AGM).

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INDEPENDENCE DAY CELEBRATION



The Independence Day reminds us every year that freedom is sacred and citizens must do everything to ensure that it shall not be endangered. Our ACAR celebrated this auspicious day with great enthusiasm and proudness on 15th August 2020. The Principal of ACAR hoisted the National Flag and delivered the special address about the sacrifices made by our soldiers for the sake of our freedom and safety. At last, sweets were distributed to the staff members.

LAUNCHING OF ACAR BIO-PRODUCTS



Adding feather to the cap, ACAR has developed three different bio-products for the benefit of farming community and the products were launched on 22nd August 2020. Mr. V. Ramakrishnan, Ex. President, Doripalli Panchayat graced the occasion as chief guest. The bio-products developed are Adhiyamaan Bioplus (Rhizobium, for pulses), Adhiyamaan Bio (Phospobacteria, for all crops) and Adhiyamaan Cocomix (MN mixture, for coconut). The

products were developed by Dr. P. Lakshmanakumar, AP (AGR), Mr. C. Dharmadurai, AP (AGM) and Ms. P. Reka, AP (AGM) under the guidance of Dr. H. Vijayaraghavan, Principal, ACAR.

APPROVAL OF NTA TEST PRACTICE CENTER AND EXAM CENTER



The Adhiyamaan College of Agriculture and Research has been approved as NTA Test Practice Centre initially and it was further upgraded as Exam Centre. All the requirements of NTA viz., IT infrastructure are available at ACAR. ILEON - OS is used for conducting exams of NTA, which is based on Ubuntu - Linux operating system. TCS-ION, a subsidiary of TCS has provided their own custom software ILEON - OS which has been installed in all the systems. Dr. S. Sathiyaraj, AP (CRP) is the staff incharge for the centre.

MICROSOFT TEAMS FOR CONDUCTING ONLINE CLASSES

The COVID-19 pandemic has forced education systems worldwide to find alternatives for the formal system of education in both schools and colleges. As a result, online teaching and learning is being used by teachers and students on an unprecedented scale. Considering an alternative for formal education, online education serves as an important tool to sustain the education system. ACAR has also started to handle classes through online mode by using Microsoft Teams application

during COVID crisis wherein all the students and faculties were registered in the application.

STUDENT'S GRIEVANCE REDRESSAL CELL

For the first time, Student's Grievance Redressal Cell had been established in ACAR campus to address the grievances of students. Mr. M. Thangaraj, AP (ENG), Dr. S. Kavinila, AP (AEX) and Mr. S. Vijay, AP (AEX) were identified as the Nodal Officers of Student's Grievance Redressal Cell.

LANDSCAPING - AESTHETIC WEALTH OF ACAR



ACAR campus is rich in ornamental wealth. More than 500 types of ornamental plants were used to enrich the campus. The academic blocks (A & B) were landscaped with ornamental plants mainly to educate the students to understand

the landscaping styles viz., Formal (A block) and Informal (B block). A - Block was landscaped as a formal style with lawn and fountains. The same way B - Block was designed as Informal style with lawn, fountains, walking paths and hedges.

Hedges were created all over the campus by using Duranta plants. Avenue plantings are Plumeria pudica, Cassia fistula and Delonix regia. Carpet beds were created by using stones as "HEARTY WELCOME TO ACAR" at the college entrance. A separate block is being maintained for Hibiscus, wherein different colours of hibiscus were grown. Ornamental flowering trees like Tabebuia, Cassia fistula, Delonix regia, Peltophorum, Spathodea were planted to enrich the beauty of the campus. Lily pond was also constructed near Ladies Hostel.



Seminars, Webinars, Workshops, Conferences, Guest Lectures Conducted

I. Webinars Conducted

The webinars conducted by the faculties of ACAR are given below.

S.No.	Name of the Activity	Date	Organized By	Guest Speaker/Resource Person	Venue
1.	National Level e-Quiz on General Knowledge & Current Affairs	07.07.2020 to 10.07.2020	Department of Social Sciences Convenor: Mr. M. Thangaraj, AP (ENG)	-	e - platform
2.	National Level e-Quiz on General English for Competitive Exams	07.07.2020 to 20.07.2020	Department of Social Sciences Convenor: Mr. M. Thangaraj, AP (ENG)	-	e - platform

3.	Webinar on “Career Enhancement”	18.07.2020	Department of Social Sciences Convenor: Mr. S. Vijay, AP (AEX)	Er. Harisudan CK, Hari Success Point.	e - platform
4.	Webinar on “Overview of Tasar Culture in India”	01.08.2020	Department of Crop Protection Convenor: Dr. D. Elumalai, AP (SERI) Mrs. S. K. Pavithra Dharani, AP (AEN) Ms. G. Akshya Sri, AP (PAT) Ms. P. Prathima, AP (PAT) Mr. S. Senthil Kumar, AP (PAT)	Dr. C. Selvaraj, Ph.D., Central Silk Board, Govt. of India, Madhupur, Jharkhand	e - platform
5.	International Webinar on Technology Stewardship to promote Effective Use of ICT by Agricultural Communities of Practices	13.08.2020	Department of Social Sciences Convenor: Mr. S. Vijay, AP (AEX) Dr. M. Kavinila, AP (AEX)	Dr. Ataharul Chowdhury, Professor, University of Guelph, Canada	e - platform
6.	Webinar on Facing an Interview	17.08.2020	Department of Social Sciences Convenor: Mr. M. Thangaraj, AP (ENG)	Ms. S. Amrutha Varshini, Ph.D in English, NET- JRF, Research Scholar, Anna University.	e - platform
7.	Webinar on “Soft Skills”	26.08.2020	Department of Social Sciences in association with SKILLEDGE, Pimple Saudagar, Pune, Maharashtra - 411027 Convenor: Mr. M. Thangaraj, AP (ENG)	Rohit Ghosh, Educationist & Entrepreneur, CEO & Co-founder, Skilledge, Hyderabad.	e - platform

NSS Activites

CELEBRATION OF CONSTITUTION DAY

In response to the Lr.F.No.2-96/2020/ NSS/ Constn. Day dated 24.11.2020 of the Regional Director, Dr. C. Samuel Chelliah, arrangements were made in the college on 26.11.2020 to celebrate the Constitution Day. The available teachers on campus numbering about 18 members have participated and took pledge of the preamble to the constitution as communicated. Dr. H. Vijayaraghavan, Principal, ACAR highlighted the fundamental duties and responsibilities of every citizens and the role of important persons who build the Indian constitution. Also, he reiterated that the students are the future of our country and they must have the patriotism and involvement in the nation building. It is the duty of every citizen to shape our Bharat Nation.

WEBINAR ON YOUTH AND ENVIRONMENT

A webinar on Youth and Environment was arranged by the NSS unit of Tamil Nadu Agricultural University, Coimbatore through zoom app on 28.11.2020, in which the NSS volunteers of ACAR have attended. The webinar started with the inaugural address given by Dr. N. Kumar, Vice Chancellor, TNAU, Coimbatore. Dr. T. Raguchander, Dean (CSW) and Dr. M. Kalyanasundaram, Dean (Agriculture) delivered the welcome address and felicitation respectively. Along with them, Mr. M. Kalidasan, President, OSAI Environmental Organization, Coimbatore graced the dias and gave special address. At last, the webinar came to an end with the vote of thanks given by Dr. M. R. Backiyavathy, NSS Programme Coordinator, TNAU, Coimbatore.

Extension Activites

RURAL AGRICULTURAL WORK EXPERIENCE (RAWE) PROGRAMME



The final year students of ACAR (2017 Batch) have undergone RAWE (Rural Agricultural Work Experience) Programme which comprises of ADA Attachment (5 days), Village Stay Programme (60 days), NGO Attachment (5 days) and Agro Industrial Tie Up (5 days) for the course “AEX 401 Rural Agricultural Work Experience (0+20)”. 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) based on the discussion with Joint Directors of Agriculture of the concerned districts. Group Facilitators were allotted for each student's group for effective monitoring and evaluation. The course teachers were Mr. S. Vijay, AP (Agrl. Extension), Dr. M. Kavinila (Agrl. Extension) and Dr. S. Janani, AP (Agrl. Extension).

FARMER'S TRAINING

A one day training programme on “Mushroom Production” was conducted at Adhiyamaan College of Agriculture and Research on 11.10.2020. Dr. H. Vijayaraghavan, Principal, ACAR was the chief guest and inaugurated the training. Mr. S. Senthilkumar, AP (PAT) and

Ms. P. Prathima, AP (PAT) were the resource persons who gave hands on training to the farmers. At last, the farmers were exposed to the mushroom production unit of the campus.

Farm Activities

ESTABLISHMENT OF COCONUT NURSERY

Coconut nursery has been established in the college farm for commercial purpose. As a start up, around 200 nuts of Arasampatti Tall variety were planted which came for sale after six months. The coconuts grown in the farm can be used for both culinary purpose and as tender coconut.

INTRODUCTION OF KADAKNATH CHICKS



Commercial production of Kadaknath chicks was started in the ACAR farm for the first time. Initially, it was started with 500 chicks. The chicks were bought from the Poultry College (TANUVAS), Hosur at a rate of Rs. 50/chick. After six month of establishment, the chicks start laying eggs. During the egg laying period, around 17-20 eggs/bird can be obtained. Also, two numbers of automatic incubators with a capacity of 80 eggs per incubator was purchased for hatching of eggs. Birds, Chicks and Eggs of Kadaknath are being sold at a rate of Rs.400/kg, Rs.60/chick and Rs.15/egg respectively. The farm is being maintained hygienically which pulls the consumers.

Publications

The following were published by the faculties of ACAR during the year 2020.

i) Books

Elumalai, D., C. Mohan and B. Poovizhiraja. 2020. Principles and Practices of Apiculture. Jaya Publishing House, New Delhi.

Elumalai, D., P. Mohanraj and Ramamoorthy. 2020. Introduction to Non-mulberry Silkworm. Jaya Publishing House, New Delhi.

Elumalai, D., C. Mohan and B. Poovizhiraja, 2020. Principles and Practices of Sericulture, AE Publication, Coimbatore-03, Tamil Nadu.

Kabariel, J., D. Kannan, **S. Kumaresan** and K. Naveen Kumar. 2020. Text Book on Horticulture. Thannambikkai Publication, Coimbatore.

Sendhil, S. 2020. Sanga Tamizharin Valviyalum Virunthombalum. Gowra Puthaga Maiyam, Trichy-1.

ii) Research Articles

Dharani, P.S.K., C. Kathirvelu and R. Kanagarajan. 2020. Preliminary Survey for Lepidopteran Diversity of Kolli Hills, Namakkal District, Tamilnadu. International Journal of Entomology Research. 5(3): 45-47.

Elumalai, D. and P. Mohanraj. 2020. Evaluation of Multiend and Automatic Reeling Units in Non-Traditional Silk Producing District of Tamil Nadu, India - An Economics Analysis. International Journal of Current Microbiology and Applied Sciences. 9(7): 489-498.

Elumalai, D. and K. Uma. 2020. Towards Studies on Current Scenario in Export and Import of Silk Goods in India. Asian Journal of Agricultural Extension Economics & Sociology. 38(7): 9-15.

Elumalai, D. and P. Mohanraj. 2020. Value Addition at Different Levels of Silk Industry in Tamil Nadu - An Economic Analysis. International Journal of Pure and Applied Bioscience. 8(3): 428-436.

Rajarajan, D. and S. Thirumeni. 2020. Molecular Marker Based Genetic relatedness Assessment for Short Duration Rice (*Oryza sativa* L.) Varieties using Microsatellite (SSRs) Markers. Journal of Pharmacognosy and Phytochemistry. 9(6): 830-836

Senthilkumar, K., **S. Sathiyaraj**, S. Sharmila and H.R. Illakiah. 2020. Feature Extraction for the Discrimination of Crop and Weed in Digital Images using Open CV and Python. Int. J. of Eng. and Advanced Technology. 9(3): 64-65.

Sivagami, S. 2020. HSO based K-Means for Automatic Segmentation of Disease and Deficiency in Tomato Plant. International Journal of Recent Technology and Engineering (IJRTE). 9(1).

Sivagami, S. and S. Mohanapriya. 2020. Hybrid Method for Detection and Classification of Paddy Leaf Deficiency using Modified K-Means Image Segmentation. Indian Journal of Computer Science and Engineering. e-ISSN 0976 - 5166 p-ISSN 2231 - 3850.

Sivagami, S. and S. Mohanapriya. 2020. Disease and Deficiency Detection in Paddy Plant using Soft Computing Technique. Solid State Technology. 63(2s).

Sivagami, S. and S. Mohanapriya. 2020. Tomato Leaf Disease Detection using Image Processing Technique. International Journal of Agricultural Technology. 17(3):1135-1146 Available online <http://www.ijat-aatsea.com> ISSN 2630-0192 (Online)

iii) Popular Articles

Janani, S. 2020. Youth Entrepreneurship (www.kalanipoo.com)

Keerthana, S. 2020. தொழு உரம். Agri Shakthi Magazine. Issue-1-Vaigasi-3.pp.7-8 (29.05.2020)

Keerthana, S. 2020. தென்மேற்கு பருவ மழையும் விவசாயமும். AgriShakthi Magazine. Issue-1-Aani-4. pp.12-14 (10.07.2020)

Keerthana, S. 2020. அடி மாதம் என்ன செய்யலாம். AgriShakthi Magazine. Issue-10-Aadi-2. pp.23-24(17.07.2020)

Senthilkumar, S. 2020. Paddy Crop Diseases and Prevention Care. Vikatan Magazine (10.02.2020).

Senthilkumar, S. 2020. Importance of Certified Seeds. Kalaikathir Magazine (03.05.2020)

Snehaa, A. 2020. Doubling of Farmers Income through IPM. Readers Shelf. 16(1). ISSN: 2321-7405.

Visitors

- ♣ 29.08.2020 - Mr. B.T. Nagaraj Reddy, Managing Director, Mahendra Agri. Estate Pvt. Ltd.,
- ♣ 02.09.2020 - Dr. M. Vanithamani, M.Ch., Dean, St. Peter's Medical College and Research Institute, Hosur.
- ♣ 03.09.2020 - Mr. N.M. Pamchuli, Sub Inspector, Berigai, Krishnagiri.

