



# 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)

### Students Corner

#### III YEAR STUDENTS OF ACAR - FIELD VISIT



Field visit to Oddanchathiram Vegetable Market; NSR Farm Fresh, Dindigul and Indian Institute of Food Processing Technology, Tanjore was arranged for the course HOR 311 Post Harvest Management and Value Addition of Fruits and Vegetables (1+1) from 09.01.2020 to 11.01.2020. Students learnt about the post harvest technology, processing and value addition of fruits and vegetables. Dr. J. Kabariel, AP (HOR),

Mr. S. Senthilkumar, AP (PAT), Mrs. S. Kokilavani, AP (FSN) and Mrs. S. Jancirani, AP (MAT) have accompanied the students.

#### EXPOSURE VISIT - III YEAR



A total of 104 third year students (2018-2022 Batch) underwent a three day study tour along with Dr. D. Rajarajan, AP (PBG), Dr. A. Revathy, AP (AEC), Mr. R. Harish, AP (ARM) and Ms. P. Reka, AP (AGM) to the ICAR-Indian Institute of Horticulture Research (IIHR), Bangalore; Vegetable Vendors Association Market, Hosur; K.R Market; AGMARK laboratory and Central Silk Board (CSB) from 26.01.2020 to 28.01.2020 for the courses AGM 301

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Agricultural Microbiology (1+1), PBG 301 Fundamentals of Plant Breeding and Genetics (2+1) and AEC 301 Agricultural Marketing, Trade and Prices (2+1) respectively. During the visit, Dr. Selvakumar explained the processes involved in the mass production of biofertilizer and Dr. Umamaheswari detailed about the Bio-pesticides production. Also, the students learnt about the various activities of Department of Plant Breeding & Genetics, IIHR and marketing of agricultural produces. The marketing channel and the marketing cost involved in the transportation of commodities, the purity and quality standards of the products and the procedure involved in the EXIM policy in trade were also learnt by the students.

### EXPOSURE VISIT - OPTIONAL COURSE



Exposure visit for the IV B.Sc., (Agri.) students who opted for the course EXP 401 Commercial Bee Keeping (0+5) was arranged from 27.01.2020 to 31.01.2020. The places exposed to the students during the visit are detailed here. Initially, the students visited Murugai Bee Farm, Karur, where, the bee keeper detailed about the Italian and Dammer bee rearing techniques, bee forage crop cultivation, protecting the bees from pest and diseases, honey flow period and honey extraction methods. Visit to Vibis Natural Bee Farm at Kadachanendhal, Madurai was made on the next day. Ms. Josephine Arockia Mary explained about the handling procedure of Indian bee and Dammer bee, health benefits of honey in human, marketing of honey and honey bee therapy,

that was followed by visit to Philip Natural Bee Farm, Kumily, Kerala, where, the bee keepers explained about hilly Indian bee rearing techniques, handling methods, brood and super chamber and colony multiplication systems. Staffs accompanied during the visit were Dr. D. Elumalai, AP (SER) and Ms. G. Akshaya Shri, AP (PAT).

### HARVESTING



Harvesting of rice crop variety ADT 53 was done by the III year students (2017-2021 Batch) of ACAR on 2<sup>nd</sup> February, 2020 for the course AGR 301 Crop Production - I (Kharif Crops) (0+2). Dr. H. Vijayaragavan, Principal and Mr. P. Kalamegam, Manager initiated the harvesting activity. Later, the students started their harvesting operation. Each student were allotted with 4 cent of agricultural land for the purpose. All the teaching and non-teaching staff members of ACAR were present during the rice harvest.

### EXPOSURE VISIT FOR OPTIONAL COURSE

About thirteen students of IV B.Sc., (Agri.) who opted the course PGP 451 Plant Genetic Resources: Collection, Conservation and Utilization (1+1) had underwent a six days study tour to various institutions viz., Department of Plant Genetic Resources, TNAU, Coimbatore; Forest College & Research Institute, Mettupalayam; Parambikulam Biosphere Reserve Station and Botanical Garden, Ooty from 02.02.2020 to 07.02.2020. Staffs accompanied the visit were Dr. D. Rajarajan, AP (PBG) and Ms. G. Akshaya Shri, AP (PAT).

### TRAINING ON FLOWER CULTIVATION TECHNIQUES

Field visit for the course HOR 411 Production Technology of Flowers, Medicinal and Aromatic Crops (2+1) was arranged for the IV year students on 04.02.2020. Training on flower cultivation techniques was given to the students at the Rose farm and Chrysanthemum farm located at Kiriganapalli and Andhaevanapalli villages of Denkanikottai block. Mr. Selvakumar, farm manager explained about the successful cultivation and production technologies of Rose flower in greenhouse and polyhouse. Mr. Samba Shiva Rao, farm manager explained about the production techniques of Chrysanthemum flower in protected cultivation. In addition, the students practiced the harvesting operation of flower crops in the farm and they clarified their doubts about the protected flower cultivation with the farm managers. Dr. J. Kabariel, AP (HOR), Dr. N.B. Nandha Kumar, AP (ENS), Mr. Kumar, Asso. Professor (SS&AC) and Mr. Lokesh, Lab Assistant coordinated the field visit.

### FOUNDATION FOR INTERNATIONAL LIVESTOCK RESEARCH CENTRE

Honourable Chief Minister Edappadi K. Palaniswami laid the foundation for the Advanced Institute for the Integrated Research on Livestock and Animal Sciences at Thalaivasal, Salem on 10<sup>th</sup> February, 2020. The final year students of ACAR participated in the programme along with the Principal Dr. H. Vijayaragahavan and staff members Dr. D. Rajarajan, AP (PBG), Mr. Kumar, AP (SS&AC) and Ms. Prathima, AP (PAT). Thousands of famers from various parts of Tamil Nadu came for the function. Around 2000 pamphlets on “Protect Soil Fertility to Increase Crop Yield” were distributed to the farmers under the guidance of Dr. H. Vijayaraghavan, Principal. Students visited all the stalls at the centre and exhibition, exhibited by the Self Help Group members.

### TRANSPLANTING



Transplanting of ragi crop was made by the III year students (2017-2021 Batch) of ACAR on 14<sup>th</sup> February, 2020 for the course AGR 303 Crop Production - II (Rabi Crops) (0+2). Ragi variety, Paiyur 2 was used for the purpose, which is a drought tolerant and local variety with a duration of 115 days (Medium duration variety). Dr. H. Vijayaragavan, Principal initiated the transplanting activity. All the teaching and non-teaching staffs of ACAR were present during the field work.



### VISIT TO INDIA'S LARGEST NURSERY - RAJAHMUNDRY



A four day study tour for the fourth year

students of ACAR was arranged for the courses EXP 401 Experiential Learning I - Commercial Nursery Technology of Horticultural Crops (0+5) and EXP 401 Experiential Learning II - Commercial Landscape Gardening (0+5) from 18.02.2020 to 21.02.2020. The India's largest nursery, Satya Deva Nursery, which is located at Rajahmundry, Andhra Pradesh was run by a B.Tech (Horti) alumini. The total area of the nursery is 150 acres, that is managed by 50 farm managers and 600 farm labours. More than 5000 types of plants were exported to various places of India regularly. The annual turn over of the nursery is 23-24 crores. Students of ACAR were exposed to such a large farm and they observed various plants which are peculiar to the region. The proprietor explained the different propagating techniques of various ornamental plants, production techniques and procedure for establishment of commercial nursery. Dr. J. Kabariel, AP (HOR) and Ms. A. Snehaa, AP (AGR) accompanied the students during the visit.

### **VISIT TO ERI AGRICULTURAL SCIENCE CONFERENCE**

Forty Final Year B.Sc. (Agriculture) students of ACAR participated in the Eri Agricultural Science Conference which was conducted by the Eri Silkworm Egg Production Centre and Central Silk Board. The conference was inaugurated by Mr. Rajith Ranjan Okkantiyar, Senior Scientist, Central Silk Board by lightening the ceremonial lamp. Mrs. VenkataPriya, IAS, Director, Tamil Nadu Silk Board and Mr. Mishra, Director, Central Silk Board were the chief guests. Hundreds of silkworm rearing farmers participated in the conference. Dr. D. Elumalai, AP (AEN), Ms. S.K. Pavithra Dharani, AP (AEN), Dr. Sivaji, AP (ABT) and Ms. Reka, AP (AGM) accompanied the students.

### **TALENTIA-2020**



Twenty five students from ACAR had participated in Talentia Programme on 27<sup>th</sup> and 28<sup>th</sup> February, 2020, which was held at Agricultural College and Research Institute, Madurai. Students participated in various off-stage events (Fusion Solo, Group Fusion & Dance, Ad Act, Short Film) and on-stage events (Tamil Poetry & Turncoat, Face Painting, Mono Acting, Clay Modelling, Photography, Shipwreck, Paper Collage etc.) and bagged awards for Short film (Second prize) and Third prize for Ad Act. Out of 35 short films, final year students T. Kabilan and Co. bagged award for Short film (Second prize) and Third prize for Ad Act by Ms. Rakithya and Co. of first year. Mr. R. Mukesh, AP (SAC) and Ms. P. Prathima, AP (PAT) accompanied the students.

### **FREEDOM-2020**

A total of about 22 students from ACAR had participated in Freedom Programme at Anbil Dharmalingam Agricultural College and Research Institute, Trichy on 7<sup>th</sup> and 8<sup>th</sup> March, 2020. Students participated in various off-stage events viz., T-Shirt Painting, Quiz, Rangoli and Short Film and on-stage events viz., Fusion Solo, Group Fusion & Dance, Ad Act and PUB-G. Students of final year bagged second prize in PUB-G (Mr. Johnna Gunadeep), third prize in short film (Mr. T. Kabilan and Co.) and photography (Mr. Mohanraj). Dr. D. Rajarajan, AP (PBG) and Mrs. S. Kokilavani, AP (FSN) accompanied the students.

## College Activities

### PONGAL CELEBRATION



Pongal festival was celebrated in the ACAR college farm on 10.01.2020. The offerings were given to the deities and farm animals during the occasion. Students came in their traditional dresses with joy and enthusiasm. Various traditional games were conducted for the students. They enjoyed all the events. Dr. H. Vijayaraghavan, Principal and Mr. P. Kalamegam, Manager were graced as chief guest. All the teaching and non - teaching staff of ACAR attended the same.

### REPUBLIC DAY CELEBRATION



The Republic Day has a great importance in every citizen's life. This day reminds us every year that freedom is sacred and citizens must do everything to ensure that it shall not be endangered. ACAR celebrated this auspicious day with great enthusiasm and proudness on 26<sup>th</sup> January, 2020. The Principal of ACAR hoisted the National Flag and College Flag. All the staff members and

students saluted the flag. The Principal delivered the special address about the sacrifices made by our soldiers for the sake of our freedom and safety. It is worthy to mention that few students received appreciation certificates for their meritorious performance made in ICT-2019. At last, sweets were distributed to the students and staff members.

### INITIATION OF ONLINE EXAM PORTAL

In view of conducting online exams for students of ACAR due to COVID-19 pandemic, a web-script and android application has been created and launched as [www.objectiveexams.com](http://www.objectiveexams.com). The access to the portal has been provided both to the students and staffs. The exams for students are being conducted through online in different formats viz., Multiple Choice Question, True or False, Fill in the Blanks and Descriptive Type. Students can attempt exams through browser or Android application. A detailed analytical report about the marks secured, time taken for each questions and relative comparison with other students will be received by the students after completing their exam. The portal was developed by the ACAR faculty member Dr. S. Sathyaraj, AP (CRP).

### AWARENESS PROGRAMME



The Government of Tamil Nadu in association with District Collectorate and Directorate of Rehabilitation & Welfare of

Non-resident Tamils, Krishnagiri has organized an awareness programme on “Pre-Departure Orientation and Other Initiatives for Safe Migration for Non-Resident Tamils Welfare” at ACAR campus on 6<sup>th</sup> February, 2020. The awareness programme was inaugurated by Dr. H. Vijayaraghavan, Principal, who emphasized the importance of safe migration. Mr. P. Kalamegam, Manager, officials of revenue department viz., Tahsildar, Revenue Inspectors, Village Administrative Officer, staff members and students of ACAR were present during the programme. The officials shared the professional expertise about the proper procedures for migration, information on getting passport and details on authorized and fake passport agency. Video about the same was displayed to the participants. National Level Trainer Mr. Vishwanathan practically explained about the precautions to be taken while migrating to foreign countries. More information about the migration procedures, steps to be taken during migration and all the details related to the same can be obtained from the government authorized website “e-migration”. The arrangements for the awareness programme were made by Dr. S. Janani, AP (AEX) and Mr. S. Vijay, AP (AEX).

### PARENT-TEACHER-STUDENT INTERACTIVE MEETING



An interactive Parent-Teacher-Student meeting for II B.Sc., (Hons.) Agriculture (2018-2022 Batch) was organized on 12.02.2020 at

ACAR, Athimugam in a bid to appraise the parents about the progress made by the students in their curriculum. The meeting was started with registration of the parents attended. About 60 parents attended the meeting. The Principal welcomed the gathering and explained in detail about the education system and syllabus, mode of exams (i-pad), breaking system and awarding of results. All the parents have welcomed the initiative taken to prohibit the use of smart phones in the college premises and hostel. The parents were appraised about the college facilities and infrastructure for the students learning. It is the highlight that the parents have appreciated the efforts taken by the teachers without bothering the timing to educate the students even in the hostels. The meeting was followed by one to one discussion with concerned student-teacher and parent to bridge the gap of weakness in the studies and what additional efforts could be made. In general, the parents have expressed much satisfaction and happiness and appreciated the Principal, Management and Teachers for their efforts in Academic Programmes.

### STATE GIRL CHILD PROTECTION DAY

The birth anniversary of late Tamil Nadu Chief Minister Ms. J. Jayalalithaa on February 24, will be observed as 'Girl Children Protection Day' in recognition of her yeoman service towards betterment of children, especially girls. In this connection, the same was observed in the college campus on 24<sup>th</sup> February, 2020 which was inaugurated by Dr. H. Vijayaraghavan, Principal who highlighted the importance of safety, protection, education and equality of girl children. He emphasized that all the children should be treated equally without discriminating on the basis of caste, religion, language, social or economic status. On this day, speech competition was conducted for the I and II year NSS volunteers and prizes were distributed to the best speakers. At last, Girl Child Protection Pledge was taken by the students and staff members of ACAR.

### UPGRADATION OF APIARY UNIT



Apiary unit was established by the Department of Agricultural Entomology in the college campus for the purpose of Experiential Learning Course for the final year students. The Indian honey bee was obtained from ADP Apiary, Erode district. The students who opted for Apiculture course have been taught on life cycle of honey bee, bee forage crops, bee keeping appliances, honey flow season, handling methods, colony multiplication, honey extraction methods, bee products and marketing. This, in turn will motivate the students to become entrepreneurs in the field of apiculture. The unit is being maintained by Dr. D. Elumalai, AP (SER).

### Sports and Yoga

#### PARTICIPATION IN INTER COLLEGIATE TOURNAMENT (ICT)

K.G. Sanjeev Kumar, II B.Sc. (Hons.) Agriculture student of ACAR participated in the All India Inter College Sports Meet which was held at Sri Venkateshwara Veterinary University at Tirupati from 01.03.2020 to 05.03.2020. He was selected to the final round in 200m running.

### NSS Activites

#### RALLY ON VOTERS DAY

National Voters Day is being celebrated across the country to mark the foundation day of Election Commission of India, the autonomous constitutional authority responsible for conducting elections. On 25<sup>th</sup> January, 2020,



rally on voters day was conducted by the ACAR's NSS unit in Berigai, Hosur to make people aware of voting. The awareness programme was initiated by Dr. H. Vijayaraghavan, Principal who addressed about the importance of voting. He elaborated that voting is our civic duty and it is the cornerstone of a democracy. The third and final year students of ACAR were engaged in rally and they holded the placards to create awareness on the value of each vote, which was telecasted in TV channels viz., Sun TV, Thanthi TV and News7 channel and published in Tamil and Telugu Dailies. All the teaching and non-teaching staff members of ACAR participated in this rally. This programme was organized by the NSS coordinators Mr. R. Harish, AP (ARM), Mrs. V. Arthi, AP (SS & AC) and Mr. R. Mukesh, AP(SS & AC).



#### INTERNATIONAL WOMEN'S DAY

Women of the world want and deserve an equal future free from stigma, stereotypes and violence; a future that's sustainable, peaceful, with equal rights and opportunities for all. To honour

women hood, International Women's Day was celebrated at ACAR on March 8, 2020. It is a global day celebrating the social, economical, cultural and political achievements of women. The day also marks a call to action for accelerating gender equality. The theme for International Women's Day 2020 is, *I am Generation Equality: Realizing Women's Rights*. During the occasion, the students of ACAR delivered speech on women's rights, equality and women's achievement in the society. Dr. H. Vijayaraghavan, Principal felicitated the

assemblage. Speaking on the occasion, the Principal indicated the need to respect women and importance of this special day by sharing the case studies of successful women. The staff members of ACAR expressed their views on women empowerment and gender equality. This programme was organized by the NSS unit coordinators Mr. R. Harish, AP (ARM), Mrs. V. Arthi, AP (SS & AC), Mr. R. Mukesh, AP (SS & AC) and Ms. P. Prathima, AP (PAT).

The other activities made by the NSS unit of ACAR are given below.

S.No.	Activities	Place	Organized By	Remarks
1	Awareness on Dengue Fever	ACAR	Primary Health Centre, Athimugam	Causes, symptoms and treatment of dengue fever were explained
2	Classes for Poor Kids (20.01.2020)	Athimugam	NSS Unit, ACAR.	NSS volunteers have taken classes for poor kids for scholarship exam
3	Girl Child Day (24.01.2020)	ACAR	NSS Unit, ACAR.	Debate on "Beti Bachao Beti Padhao" (Save the Girl Child, Educate the Girl Child) was arranged
4	Medical Camp (10.02.2020)	Doripalli	ACAR's NSS Unit with Department of Health Care, Govt. of Tamil Nadu	-
5	Polio Camp (17.02.2020)	Nearby Villages	NSS Unit, ACAR	Involved in polio camp in the campus and villages around
6	Awareness on Usage of Agriculture Chemicals	ACAR	NSS Unit, ACAR; SWAI Agro Science and BASF	Students were trained on usage of agricultural chemicals and first aid to help farmers
7	Parthenium Eradication, Plastic Free Campus and Maintaining as Green Campus	ACAR	NSS Unit, ACAR	The NSS volunteers are regularly involved in such activities



## Extension Activities

### RAWE - EXHIBITION



AEX 401 Rural Agricultural Work Experience (RAWE) (0+20), which is a three-month programme, offered during the seventh semester of B.Sc., (Agri.) degree programme. Initially, the students were divided into 15 groups and accommodated in different blocks of four districts namely Krishnagiri, Vellore, Dharmapuri and Thiruvannamalai. Finally, the programme was evaluated based on the student's exhibition and presentation, which was arranged on 3<sup>rd</sup> and 4<sup>th</sup> January, 2020 in the college campus. It was inaugurated by Dr. H. Vijayaraghavan, Principal and evaluated each group based on the fixed evaluation criteria.

Students exhibited the exhibits which are peculiar to the villages and blocks they were placed. Exhibits on seasonal agricultural activities of the particular village, farm scenario, the culture and customs, whole village development plan, major crops grown, Indigenous Technical Knowledge, traditional varieties, activities of ADA, NGO and Agro industry placed were also exhibited. The students were asked to present about the exhibits and the things they learnt during the overall stay programme. Judges were selected to evaluate the performance of each student groups. All the teaching and non-teaching staff members of ACAR enjoyed the exhibition. Students and

teachers from nearby schools, scientists and farmers visited the exhibition and appreciated the students and course teacher's efforts. Dr. S. Janani, AP (AEX) and Mr. S. Vijay, AP (AEX) organized the same.

### FARMER'S TRAINING

On 10.02.2020, a training programme was conducted for the farmers at Pasavannakovil village, Bargur Taluk, Krishnagiri district. The training programme began with the lighting of ceremonial lamp and Tamizh Thai Vazthu. The programme was then inaugurated by Dr. H. Vijayaraghavan, Principal; Mr. P. Kalamegam, Manager; Dr. Subbaiah, Project Officer (Agriculture) and Mr. Jagadeeshkumar, Project Coordinator (Agriculture). Mrs. Chithra, Thasildar, Bargur Taluk; Mr. Kuppusamy, Retd. Joint Director of Agriculture and Mr. Sakthivel, Agriculture Officer graced the occasion as chief guests. The project officer Dr. Subbaiah welcomed the gathering. Dr. H. Vijayaraghavan delivered the inaugural address and shared his rich experience about TNAU coconut tonic and its usages. The faculty members of ACAR elaborated about the importance of soil sampling, dairy management and major pest and diseases in the agricultural crops and its management. Students from final year B.Sc. (Ag.) also participated in the training and highlighted the facilities available at ACAR. Pamphlets on importance of soil sampling and method to collect soil sample from field were distributed to the farmers. Hundreds of farmers from Sinthagampalli, Varatanapalli, Chinna Mattarapalli, Pasavankovil and Melkottai villages attended the training. Finally, the training programme ended with the formal vote of thanks given by Mr. Jagadeesh kumar, project coordinator.

### COLLABORATIVE TRAINING WITH MYRADA - NGO

MYRADA-NGO, located at Achetipalli, Hosur conducts training programme to the farming community regularly. For the first time, faculties from ACAR were engaged as resource person for training the farmers in different aspects. Mr. S. Senthilkumar, AP (PAT) and Ms. G. Akshaya Shri, AP (PAT) acted as a resource

person to train the farmers on “Nematode Management in Vegetables” and “Seed Treatment in Vegetables” at Denkanikottai block on 15<sup>th</sup> February 2020. About fifty farmers were benefitted from the training. The collaborative training programme with MYRADA was initiated in the college and looked after by Dr. S. Janani, AP (AEX).

### Guest Lectures

The guest lectures arranged for the betterment of students are as follows.

Date	Topic	Experts
14.03.2020	Being an Entrepreneur in the Landscaping Industry	Ms. Jyostha and Mr. S. Hariharan, Joy Greens Landscaping and Consultancy Service, Bangalore.

### Visitors

- ♣ 08.01.2020 - Government Urdu school students, Athimugam, Krishnagiri
- ♣ 04.02.2020 - Dr. Murugesan, former Director of Agri Business Development, TNAU, Coimbatore.
- ♣ 07.02.2020 - Ms. M. Priyadharsini, ADH, Villupuram and farmers from Villupuram and Cuddalore Districts.
- ♣ 14.03.2020 - Mr. S. Hariharan, CEO of Joy Greens Landscaping & Consultancy Services, Bangalore.