

## TAMIL NADU AGRICULTURAL UNIVERSITY

Office of the Directorate of Research,  
Tamil Nadu Agricultural University,  
Coimbatore-03.

**Date: 20.09.2019**

### PROCEEDINGS

A review meeting was conducted at Dryland Agricultural Research Station, Chettinad, on **31.8.2019** with the Professor & Head and staff members by the Vice Chancellor and Director of Research to address some of the issues relating to the research and development activities.

**Dr. Myrle Grace**, Professor & Head, DARS, Chettinad, briefly presented the on-going research activities of the station. **Dr. N. Kumar**, Vice Chancellor, TNAU, Coimbatore, examined the current status and **Dr. K.S. Subramanian**, Director of Research highlighted the status of TNAU rankings in ICAR and NIRF and the importance of high impact factor publications (**NAAS > 6**) and patents that will directly reflect on the ranking. For the Research Stations, grantsmanship and writemanship workshops are scheduled to be organized to equip and motivate young scientists to get research grants from externally funded projects and publish papers in high impact factor journals besides patents.

#### 1. GENERAL

- 1.1. The **varieties** recently released by TNAU, advanced cultures developed, drought mitigation technologies and IFS Models may be exhibited / demonstrated at the frontier avenue of the Station to showcase the activities and achievements. Each activity must be labeled properly (Prof. & Head, DARS, Chettinad)
- 1.2. All the **experimental fields** are to be properly labeled with flex boards as per the stipulated guidelines of TNAU (All Scientists)
- 1.3. The varieties and technologies have to be displayed along with their respective posters in an **exhibition hall** to portrait the activities and achievements. The Dean (i/c), HC & RI (W), Trichy, may be contacted to get the details. A TV display may purchased and installed to project the updated technologies, outcome stories and farmers' feedback (All Scientists)

- 1.4. In addition to the varieties / technologies developed by DARS, Chettinad, other technologies evolved from TNAU may also be **displayed** eg. crop boosters, micronutrient mixtures, seed availability, weather information etc may also be displayed. Farmers who intend to visit DARS should be served with the updated and accurate information / Seeds & Planting Materials / Inputs / services. This will serve as the Agriculture Technology Information Center of DARS to provide technological services to the farmers.
- 1.5. The Department was informed to conduct **Monthly Zonal Workshop** in DARS, Chettinad, to disseminate the activities and achievements of the station besides effective utilization of infrastructure developed.
- 1.6. Conduct training on **Value added products** (millet biscuits, cashew apple juice etc.) to Women SHGs and Others to generate revenue in VCS and effective utilization infrastructure developed. Analytical charges generated from the hi-end equipments may be booked in VCS.

## 2. RESEARCH

- 2.1. All scientists should have at least **one research project** (URP, Core, Externally funded, TANII, NADP etc.) compulsorily. Each research project is supported by field note book, basic record and other related documents
- 2.2. A major project on "**Drought Mitigation Strategies**" may be developed for millet / pulses based cropping system for funding. The infrastructure and equipments available at the Center is a strength to get an externally funded project.
- 2.3. Relative performance of crops (millets or pulses) to **sheep penning** should be studied as part of **zero budget farming**. Nutrient dynamics, growth and yield performance have to be assessed for determining scientific validation and economic feasibility of Zero Budget Farming. PG or Ph.D. students may be allotted from teaching campuses to DARS, Chettinad.
- 2.4. A **biocapsule** encompassing bioinoculants (Azospirillum, Ahoosphobacteria, Pseudomonas, Trichoderma *Purpureocillium lilacinum* and mycorrhiza) may be fortified into vermicompost may be developed. URP may be proposed to develop and study the efficacy of biocapsule for cotton.
- 2.5. **Barcoding** facility may be created to ensure quality assurance and tracking of seeds in the supply chain in accordance with the amendments in Seed Act 1966.
- 2.6. Scientists are encouraged to propose **externally funded projects** to enable high quality publications. The UGC insists that each scientist must publish at least one paper with NAAS rate > 6 per year.

### 3. ACTION PLANS

- 3.1. **Research Co-ordinator** may be nominated before 30.9.2019 by the HOD to monitor the research projects (externally or internally funded) submission, numbering, completion reports, outcomes, publications, patents etc. He / She will also be responsible for the update of web information
- 3.2. **Dr.Chandrakala**, Asst. Prof. (PBG), AC &RI, Madurai, may be deputed one day per week to DARS, Chettinad, to oversee all MLT trails and core projects work.
- 3.3. **Dr. A. Balasubramanian**, Prof. & Head, & Co-PI of the TANII Project, FC & RI, Mettupalayam, may be deputed to DARS, Chettinad, regularly (one day per week) to monitor the planting of trees and various agro-forestry models being established in accordance with the proceedings of the review meetings of the Vice Chancellor and Director of Research, on 31.9.2019.
- 3.3. **Cost of publications** or **analytical services** will met from the University with the approval of the Vice Chancellor in the event of the no financial support available in the campus. This is to promote high impact factor publications.
- 3.4. The University has accorded permission in principle to undertake various farm development activities as per the proceedings of the Vice Chancellor's review meeting held on 31.9.2019
- 3.5. The status of **Automatic Weather Station (AWS)** may be updated.

### 4. ADMINISTRATION

- 4.1. All the files and records such as attendance, pay register, accounts, musters, DMS, increment register, audit file and others are to be maintained and updated.
- 4.2. Action taken report may be updated periodically in the Monthly Reports

  
DIRECTOR OF RESEARCH

To  
The Professor and Head, DARS, TNAU, Chettinad  
The TPO to the Vice Chancellor, TNAU, Coimbatore