

TAMIL NADU AGRICULTURAL UNIVERSITY

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

Date: 20.09.2019

PROCEEDINGS

An interactive meeting with the Dean, HODs and staff members was conducted by the Director of Research on **30.8.2019** to address some of the issues relating to the research and development activities of the Agricultural College and Research Institute, Killikulam.

Dr. K. Eraivan Arutkani Ayyanathan, Dean, AC & RI, Killikulam, briefly presented the on-going research and seed production activities of the college. **Dr. K.S. Subramanian**, Director of Research highlighted the current 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.

GENERAL

- The **recent varieties** released, advanced cultures, promising **technologies** and farm mechanization are to be demonstrated at the frontier avenue of the college to exhibit the activities and achievements of the campus (The Dean, AC & RI, Killikulam)
- A rice **mutant resistant to lodging** developed from BRNS project may advanced to the next stage of variety release (Dr. S. Arumugam Pillai, Prof. & Head, Plant Breeding & Genetics, AC & RI, Killikulam)
- All the **experimental fields** are to be properly labeled with flex boards as per the stipulated guidelines of TNAU (All Scientists, AC & RI, Killikulam)
- The entire farm may be scanned using drones and **digitized / geo-tagged farm fertility map** prepared within a month before 30.10.2019 (Prof. & Head, SS & AC, AC & RI, Killikulam). The campus map can also be made available to the Dean to exhibit the progressive changes.

- Polyhouses and its optimal environmental parameters can be studied and their influence on pests and diseases may be correlated (Prof. & Head, Horticulture, AC & RI, Killikulam)
- A full-fledged **herbal garden** may be established to promote research and teaching capabilities (Dr. S. Richard Kennedy, Prof., Horticulture)
- All the trees are to be **labeled** with botanical name, family and economic use to add value to the educational institution.
- **Standard Operational Protocol (SOP)** for palmyrah cultivation needs to be developed encompassing the details available at ADAC & RI, Trichy.
- Technologies developed by the College needs to fine tuned for the preservation of **Neera** from palmyrah within 6 months as suggested by the Vice Chancellor of TNAU during SWC 2019 on 19.8.2019. A mini project proposal may be submitted (Budget < Rs. 5 Lakhs) to the Director of Research for funding under **ERDF** immediately, as suggested by the Vice Chancellor.
- **Water soluble fertilizer unit** may be completed at the earliest to initiate production and supply
- **Foliar diagnostic lab** should be made functional by the Prof. & Head SS & AC till Crop Physiology position is filled up. A proposal to get Teaching Assistant to fill up vacant position in Crop Physiology may be sent for approval from the vice Chancellor.

RESEARCH

- 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
- Data collected from the Permanent Manurial Experiment (10 years) conducted in RRS, Ambasamuthiram, may be consolidated (year-wise and pooled, statistically analyzed) and report submitted to the Director of Research and Director (DNRM) on or before **15.10.2019** for taking further course of action. The field note book and basic record to be submitted during the presentation (Dr. S. Jothimani, Prof. (SS& AC), AC & RI, Killikulam)

- 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.
- **Evolution / evaluation** of rice genotypes tolerant to abiotic (salinity and drought tolerance) and mutant
- Some of the **specific issues** such as transplanting of redgram and gingelly, farm mechanization, capsule of bioinoculants, nutrient capsule, fall army worm, nematode management in horticultural crops, red fleshed guava (arka kiran), grafting of vegetables etc in accordance with the Proceedings of the 84th Scientific Workers Conference of TNAU.
- Drip irrigation for rice may be validated and demonstrated in large scale (1 acre) in the Campus (Prof. & Head, Dept. of Agronomy)

ACTION PLANS

- Research Project Approval Committee (**RPAC**) for the AC & RI, Madurai, to be constituted before 30.9.2019 involving all HODs to screen the proposed university research projects for the DR's office to provide number for implementation.
- **Research Co-ordinator** in the cadre of Professor may be nominated before 30.9.2019 by the Dean to monitor the research projects (externally or internally funded) submission, numbering, completion reports, outcomes, publications, patents etc.
- The Director of Research in consultation with the Deans will organize a dedicated **Grantmanship** Workshop in AC & RI, Killikulam during September - October, 2019 to assist young scientists to prepare projects for funding.
- A brainstorming session may be organized within 2 months to propose a mega project unique for Madurai Campus involving all disciplines with a budget of **Rs. 20 crores** in commemoration of Golden Jubilee Year of TNAU in 2020.
- **MSc and Ph.D students** shall be allotted to AC & RI, Killikulam where scientists possess Externally Funded Projects and willing to support students through fellowships. Students from other Campuses will be allotted as per Dean (SPGS) regulations and the PI and Co-PI of the project will serve as members.

- **Cost of publications** will met from the University with the approval of the Vice Chancellor in the event of the no financial support available in the campus.
- The status report on Automatic Weather Stations installed under NADP may be reported to the undersigned before **30.9.2019**.
- The Dean is requested to provide the **list of absentees** during the review of the Director of Research to the undersigned for further course of action.


DIRECTOR OF RESEARCH

To

The Dean, AC & RI, Killikulam
The TPO to the Vice Chancellor, TNAU, Coimbatore, for favour of kind information