

TAMIL NADU AGRICULTURAL UNIVERSITY

O/o The Registrar,
TNAU, Coimbatore

No. TNAU/VC/HC &RI, Periyakulam/19-20/No.44-I/ dt: 12.11.2019

PROCEEDINGS

Sub: TNAU – Horticultural College and Research Institute, Periyakulam –
Review by Vice-Chancellor on 04.11.2019 & 05.11.2019 -proceedings –
issuance –reg.

Ref: This office earlier Proc. No. TNAU/ HC &RI, PKM /VC review/19-20/No.44/dt.
25.04.2019

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The Vice-Chancellor, TNAU, Coimbatore reviewed the activities of HC&RI, Periyakulam on 4.11.2019 and 5.11.2019 and offered the following suggestions for follow up action:

A. General

- Scientists are instructed to identify the research problems through survey / by having discussions with line department officials and to do research for solving them.
- Proposal may be submitted for utilizing the savings of NABARD fund for College development purpose.
- Action may be taken to dispose the goats available in veterinary unit and to purchase sheeps by using that amount.
- Action may be taken for transferring computers from Dean (Agri), AC&RI, Coimbatore immediately even before completion of physical verification by giving acknowledgement.
- Vadumangai pickles made from different accessions should be given to Information and Training Center, Chennai for sensory evaluation by trainees those attending training at ITC, Chennai.
- Quality and consumer acceptability of moringa leaf powder blended tea are to be assessed.
- EDII should motivate the trainees under various categories of students, youths to become entrepreneurs.
- All the quarters need to be renovated and estimate may be obtained for funding and approval.
- Rest room in all the three farms be constructed for farm workers.
- University Research Project (URP) should be useful to the farmers and projects should be proposed in multi-disciplinary mode.

- Plant protection scientists should visit the fields regularly.
- Replies to audit para should be prepared and the same may be sent to the office of Local Fund Audit within a month to drop the objection.
- Assistant Agricultural Officers should get signature from unit staff for their completed work and these note books should be signed by the Dean once in a month.
- The work of Librarian may be monitored directly by the Head, Dept. of Spices and Plantation Crops.
- Proposal should be submitted to the University for posting of two farm managers with B.Sc. (Agri.) / B.Sc. (Horti.) qualification at HC & RI, Periyakulam.

B. Education

- Library timing should be maintained as 8.00 am – 8.00 pm.
- Three assignments per semester should be submitted by PG students in hand written format.
- HC&RI Alumni should be linked with TNAU Alumni association.
- Extra classes should be conducted to make the students to understand the subjects particularly Biochemistry and Microbiology.
- Third year students are to be motivated for joining dual degree programme or to under go trainings. Duplication of PG student's seminar on similar title / area should be avoided.
- Student's research on breeding of horticultural crops need to be improved and strengthened.
- PG lab should be opened on Saturday and extra time during evening hours for students.
- The following points are to be considered while teaching
 - More attention to UG education
 - Emphasis on practical exposure and
 - Adhering to class timings.

C. Research

C1. Department of Fruit Science

- Care must be taken while selecting and releasing varieties from farmer's field.
- Research has to be taken up for development of thornless acid lime.
- Mutation breeding of acid lime may be given as P.G or Ph.D student's research.
- Dwarf root stock of mango may be explored and planted in the mother block area.
- Strengthening the research of minor fruits; West Indian Cherry and Karanda type may be collected from Vellayanikara Nursery.
- Steps may be taken to collect Kumquat citrus type from Mr. Subramanian, Yercaud, Salem (D.t).
- Field trials should be laid out for controlling *Colletotrichum* disease in mango.

- Trials are to be conducted in farmer's field for validating micronutrient mixture developed for guava.
- To assess the powdery mildew incidence in protected vs open cultivation of grapes, trials are to be laid and discussions in this aspect can be held with Dr. Samantha, Head, Division of Plant Protection, NRC on Grapes, Pune.
- Forestry tree species may be multiplied and brought for sale.

C2. Department of Vegetable Science

- University Research Project on development of Brinjal hybrids need not be continued.
- Hybrid derivatives may be developed through crossing *Moringa* species or genotypes.
- Purification of mundu chillies should be continued and pure mundu type need to be isolated.
- Guidelines laid down for TANII project need to be followed while processing.
- DNA barcoding for PKM releases be started at the earliest. PKM 1 Moringa variety need to be bar coded in two month's time.
- Released varieties (PKM series) should be deposited in Ramiah Gene Bank, CPBG, TNAU, Coimbatore

C3. Department of Floriculture and Landscape Architecture

- Proposal may be sent to Department of Tourism for getting financial assistance to develop Botanical garden.
- Assessing the establishment of seed balls sown /thrown by the students at the end of December, 2019

C4. Department of Spices and Plantation Crops

- Professor & Head should observe the clonal progeny of Tamarind available at RRS, Paiyur and collect the material for maintenance of tamarind germplasm at HC&RI, Periyakulam.
- Proposal for demonstration on "Fertigation technology of Coconut" at farmer's field may be submitted to CDB for funding.

C5. Department of Plant Protection

- Professor and Head should monitor the research activity related to OFT and survey.

- Professor and Head, Department of Entomology, TNAU, Coimbatore may be contacted for preparation of project proposal for controlling Maize Fall Army Worm (FAW).

C6. Department of Post-Harvest Technology

- Steps may be taken to explore various value added products from horticultural crops.

C7. Department of Natural Resource Management

- University Research Project on "N" inhibitors being undertaken by Dr. J. Kannan need not be approved and he has to propose new project.
- Scientist from HC & RI, Periyakulam can visit and prepare a proposal to transfer of work table, fume chamber and other furnitures from ORS, Tindivanam to HC&RI, Periyakulam.
- Proposal may be submitted for purchase of new Fermenter for Microbiology laboratory.

C8. Department of Social Science

- Professor (Tamil) work load has to be increased by involving him in common / general works and final year coordinatorship is to be assigned.

D. Farm

- Planting material of West Indian cherry be multiplied and supplied to the schools.
- High Density Planting (HDP) for all horticultural crops need to be developed / followed by adjusting the row spacing of the crop.
- Project proposal on "Honey Bees" need to be submitted to Bee Board for funding.
- Horse gram is to be grown for bee food in the apiary.
- Three different levels of height are to be followed in sapota for rejuvenation of over aged trees.
- Impact of bee keeping on fruit set of horticultural crops should be studied.
- To strengthen the bund, planting of Bamboo, Vetiver and Palmyrah along the periphery of the pond be attempted.
- West Indian Cherry may be planted as avenue shrub.
- Proposal should be submitted to the University for the formation of a Committee for the demolition of old building in central farm.
- Castor seeds may be procured from TCRS, Yethapur and sown around the multi-tier cropping.
- Proposal may be submitted for purchase of battery operated two wheelers (3 Nos.) for Central farm, Eastern farm and Western farms.

E. Students Hostel

- Rectification, renovation and patch work in the hostels should be attended immediately.
- Proposal for providing mosquito proof net to windows in all the hostels may be sent.
- Solar lights should be provided for all the hostels.
- Proposal may be submitted for the purchase of generator for hostel.
- Fruits may be provided to students along with dinner.

Action taken may be reported regularly.

(By Order of the Vice-Chancellor)


Registrar
12/11/19

To

The Dean (Hort.), HC & RI, Periyakulam

CC: The Professor and Head, Dept. of Agrl. Entomology, TNAU, Coimbatore / RRS, Paiyur /
ORS, Tindivanam / TCRS, Yethapur

The Dean (Agri.), AC & RI, Coimbatore /Director of Research /The Director (NRM) /Estate
Office, TNAU Coimbatore

The TPO to Vice-Chancellor for follow up.