

## TAMIL NADU AGRICULTURAL UNIVERSITY

Office of the Directorate of Research,  
Tamil Nadu Agricultural University,  
Coimbatore 641 003

Date: 19.02.2019

### PROCEEDINGS

A review meeting was conducted at the Agricultural Research Station, Bhavanisagar, under the Chairmanship of **Dr. K. S. Subramanian**, Director of Research, TNAU, Coimbatore, on **19.02.2019** to assess the progress of work done in various research projects and activities of the Station. The following Technical Directors and the Dean (Horticulture) and the scientists of ARS, Bhavanisagar attended the review meeting.

All the projects were reviewed and the remarks are given in the following table for necessary action by all scientists in ARS, Bhavanisagar.

#### Technical Directors

1. Dr. V. Geethalakshmi, Director (Crop Management)
2. Dr. K. Prabakar, Director (CPPS)
3. Dr. S. Paneerselvam, Director (WTC)
4. Dr. R. Santhi, Director (DNRM)
5. Dr. L. Pugalendhi, Dean (Hort.)
6. Dr. K. Sathyamoorthi, Prof. (Agron.), O/o The Directorate of Research

#### Scientists of ARS, Bhavanisagar

1. Dr. N. K. Prabhakaran, Prof. & Head
2. Dr. Sangeetha Panicker, Professor (Pl. Pathology)
3. Dr. D. Muthumanickam, Professor (SS&AC)
4. Dr. V. Manonmani, Professor (SS&T)
5. Dr. K. Malarkodi, Assistant Professor (SS&T)
6. Dr. K.M. Sellamuthu, Asst. Professor (SS&AC)
7. Dr. D. Malarvizhi, Asst. Professor (PBG)
8. Dr. B. Meenakumari, Asst. Professor (PBG)

9. Dr. A. Valliammai, Asst. Professor (SWC)
10. Dr. M. Rajavel, Asst. Professor (CRP)
11. Dr. N. Satheeshkumar, Asst. Professor (Agron.)
12. Dr. P. Hemalatha, Asst. Professor (Horti.)
13. Dr. R. Vigneshwari, Assistant Professor (SS&T)
14. Dr. Sheela Venugopal, Asst. Professor (Agrl. Ento.)

## **Research**

- All the externally or internally funded research projects under various schemes DBT, AICRP, VCS, RFS, NADP, IAMWM and Others are to be numbered properly in accordance with the numbers assigned by the Office of the Directorate of Research, TNAU, Coimbatore. The detailed review report is attached.
- All project leaders should maintain field notebooks, basic records and project file for on-going and completed projects
- Submit completion reports in prescribed formats for those projects that were officially closed. In case the period is lapsed already, the projects required to be extended with specific reasons and closed with a stipulated time period (All Scientists).
- The completed projects must result in publications in peer reviewed national or international journals besides in regional language. As per the instructions of the Vice Chancellor, all the manuscripts that are to be submitted for publications should get number from the Director of Research Office. A set of already published ones (soft and hard copies) need to be given to the DR's office.
- The outcome of the completed projects should be presented in the upcoming crop scientist meet 2019.
- Projects that were found unproductive, inconsistent or irrelevant to the agro-climatic zones were suggested to be closed
- Each scientist should possess at least one research project relevant to the requirement of the agro-climatic zone
- Scientists were strongly suggested to get projects from externally funding agencies and advised to take advantage of **Grantsmanship Workshops** to be organized in the month of March 2019 by the Directorate of Research, TNAU, Coimbatore.



## **Seed Production**

- Bhavanisagar being the major seed production hub, both breeders and seed scientists must bestow utmost care to produce and supply quality seeds. Proper roguing and removal of off-types are to be done periodically to ensure maintenance of genetic purity.
- All records and periodical inspection reports are to be maintained and the same have to be monitored by the HOD.
- Seed Quality Lab carries a set of sophisticated equipments but not properly maintained and used. The pH and EC meters were kept unattended for a long time. Dr. V. Manonmani, Professor (SS&T) is requested set right the lab and action taken may be intimated to the undersigned.

## **Farms**

- Ensure all the fields are properly utilized for conducting experiments or seed production. Ensure a cropping intensity of > 200.
- All the field experiments are to be properly labeled with field boards and labels
- Cropping programme and cropping calendars are to <sup>be</sup> maintained and get it approved periodically.
- In order to overcome the labor shortage, HOD is requested to send proposal for hiring contractual labourers and farm mechanization. It is intended to take up a joint Demo between TNAU and TAFE.
- A proposal may be sent for the construction of retention wall and raising of the pump shed in Pungar Block

## **Administration**

- Office records are updated, well maintained and deserve a bountiful of appreciation
- Audit objections relating the pending credit bills with the State Government may be submitted to the Director of Research for onward transmission to the Vice Chancellor to derive solution to unresolved issues

### **Detailed Review Reports**

#### URP / Externally Funded Projects / VCS / RFS / Core Project / Others

| No. | Project Leader   | Project No. & Title   | Date of Start & Closure   | Status   | Director of Research / Technical Director  |
|-----|--|---|---------------------------|--|--|
| 1.  | <b>Dr. D. Malarvizhi</b><br>Asst. Prof. (PBG)  | CPBG/BSR/PBG/MAZ/2017/001<br>Breeder seed production in Maize   | Jun 2017 to<br>May 2020   | Male parental line UMI 1200 was sown on 31.12.2018 and female line on 08.01.2019. Crop is in vegetative phase  | The project may be continued as per the schedule   |
|     | <b>Dr. D. Malarvizhi</b><br>Asst. Prof. (PBG)  | CPBG/BSR/PBG/GGR/2016/001<br>Breeder seed production in green gram, blackgram varieties and evaluation of pre released cultures under multi locational testing  | Jun 2016 to<br>May 2021   | The production programme was completed and target achieved.  | The project may be continued as per the schedule   |
|     | <b>Dr.D.Malarvizhi</b><br>Asst. Prof. (PBG) - PI<br><br>Dr.A.Thangahemavathy<br>Asst. Prof. (PBG)<br>Dept. of Pulses,<br>TNAU, CBE - CO PI | DBT/CPBG/BSR/PBG/2017/R004<br>Introgression of Bruchid Resistant Gene(s) from <i>Vigna</i> genotypes into popular Mung bean ( <i>Vigna radiata</i> L.) variety through Marker Assisted Backcross Breeding | 19.6.2017 to<br>18.6.2020 | Backcross population (BC1F1) raised was on 09.02.2018.<br><br>Molecular work is in progress.                   | Study related to seed coat texture need to be carried out using advanced techniques like IR technology |
|     | <b>Dr. D. Malarvizhi,</b><br>Asst. Prof. (PBG)<br><br>Dr. R.Vigneshwari<br>Asst. Prof. (SST)   | AICRP/STR/BSR/SEP/002<br>Breeder seed component   | Apr 1994<br>onwards       | The production programme was taken up as per the communication given by the Director (CPBG), TNAU, Coimbatore. | The project may be continued as per the schedule   |



|           |  |   |                             |  |   |
|-----------|--|---|-----------------------------|--|---|
|           | <p><b>Dr.D.Malarvizhi</b><br/>Asst.Prof. (PBG)</p> <p><b>Dr.B.Meenakumari</b><br/>Asst.Prof. (PBG)</p> | <p>RF/ARS/BSR/ 002</p> <p>Breeder seed component</p>  | <p>Apr 1994 onwards</p>     | <p>The production programme was taken up as per the communication given by the Director (CPBG), TNAU, Coimbatore.</p>  | <p>The project may be continued as per the schedule</p>   |
| <p>2.</p> | <p><b>Dr. B. Meena Kumari,</b><br/>Asst. Prof. (PBG)</p>   | <p>CPBG/BSR/PBG/GNT/ 2015/002</p> <p>Evolving Spanish bunch groundnut (<i>Arachis 5hypogea</i>) genotypes with superior yield and evaluation of pre-release cultures of oilseed crops under MLT</p> | <p>Sep 2015 to Aug 2018</p> | <p>The culture BSG 0912 was released as groundnut var. BSR 2 in SVTRC during Jan 2019. The completion report was submitted</p>                                       | <p>DNA Finger printing may be completed at the earliest and notification may be done. Samples must be sent to NPBGR. The variety may be promoted by giving a wide publicity through social networks and mass media.</p> <p>The project may be continued as per the schedule</p> |
|           | <p><b>Dr. B. Meena Kumari,</b><br/>Asst. Prof. (PBG)</p>   | <p>CPBG/BSR/PBG/GNT/2017/001</p> <p>Breeder seed production in ruling varieties of groundnut in Tamil Nadu</p>  | <p>Jul 2017 to Jun 2020</p> | <p>The production programme was taken up as per the communication given by the Director (CPBG),TNAU,Coimbatore</p> <p>Evaluation in station trial is in progress</p> | <p>The project may be continued as per the schedule</p>   |
|           | <p><b>Dr. B. Meena Kumari,</b><br/>Asst. Prof. (PBG)</p>   | <p>CPBG/BSR/PBG/SES/2017/ 001</p> <p>Development of white seeded sesame genotypes suitable for western zone of Tamil Nadu</p>   | <p>Jul 2017 to Jun 2020</p> |  | <p>The status regarding white seeded sesame may be reported. Artificial inoculation study may be conducted to assess the resistance potential of the crop. Fatty acids (Omega 3 &amp; 4) and protein evaluation may be done</p>   |
|           | <p><b>Dr. B. Meena Kumari,</b><br/>Asst. Prof. (PBG)</p>   | <p>CPBG/BSR/PBG/RIC/2016/001</p> <p>Nucleus and Breeder seed production in popular rice varieties of Tamil Nadu</p>   | <p>Jun 2016 to May 2021</p> | <p>The production programme was taken up as per the communication given by the Director (CPBG), TNAU, Coimbatore.</p>  | <p>Care may be taken for maintaining the genetic purity. Record maintenance and digitalization may be done for all the breeder seed supply.</p>   |



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| 3. | <p><b>Dr. N. Satheeshkumar,</b><br/>Asst. Prof. (Agron.)</p> <p><b>Dr. K.M.Sellamuthu,</b><br/>Asst. Prof. (SS&amp;AC)</p> | <p>DCM / ADT / AGR/ RIC / 2016/001</p> <p>Comparative performance of different crop establishment methods for Rice - Rice - Blackgram cropping system</p>   | <p>June 2016 to June 2019</p> | <p>Rice Var. Co50 was transplanted on 05.12.2018.</p>  | <p>The water saving percentage may be quantified.</p>   |
|    | <p><b>Dr. N. Satheeshkumar,</b><br/>Asst. Prof. (Agron.)</p> <p><b>Dr. K.M.Sellamuthu,</b><br/>Asst. Prof. (SS&amp;AC)</p> | <p>DCM/TNJ / AGR/2016 001</p> <p>Oil seeds as a component in rice based cropping sequence in canal command area (Upland)</p>  | <p>June 2016 to June 2019</p> | <p>Rice Var. Co50 was transplanted on 28.12.2018.</p>  | <p>The data may be presented in sequence.<br/>The water saving percentage may be quantified</p>   |
|    | <p><b>Dr. N. Satheeshkumar,</b><br/>Asst. Prof. (Agron.)</p>   | <p>AICRP/DCM/CBE/AGR/001</p> <p>AICRP - Integrated Farming System on Farm Research Experiment I: On farm crop response to plant nutrients in rice-Gingelly cropping system and their interaction with human continuum</p> | <p>Apr 2017 to Mar 2020</p>   | <p>Rice crop was harvested and yield has been recorded. Soil and plant sample preparation for analysis is under progress. Gingelly yet to be sown.</p> | <p>Specific task may be addressed in consultation with Director (Crop management) for the AICRP project. Additional treatments suitable for the region may also be included. Nutrient budgeting related projects may be proposed.</p> |
|    |  | <p>Experiment II: Diversification of Existing Farming Systems under Marginal household conditions</p>   |                               | <p>Rice crop was harvested and yield has been recorded. Turmeric and tapioca yet to be harvested</p>   | <p>The value of animal component to be taken up for working out economics</p>   |
|    |  | <p>Experiment III: On-farm evaluation of farming system modules for improving profitability and livelihood of small and marginal farmers</p>  |                               | <p>Rice crop was harvested and yield has been recorded. Turmeric and tapioca yet to be harvested. Cotton yet to be sown.</p>                           | <p>Success story has to be prepared and a video documentation has to be made</p>  |
| 4. | <p><b>Dr.D. Muthumanickam</b><br/>Professor (SS&amp;AC)</p>  | <p>NRM/PKM/SAC/001</p> <p>Spatial variability analysis of</p>   | <p>April 2016 to May 2019</p> | <p>The project work as per the mandate was completed and the completion report</p>   | <p>To be completed. The results of the project may be presented in non-crop scientist meet. The soil</p>  |



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|    |   | available nutrient status in the soils of Western block of HC & RI, Periyakulam   |                          |   | has to be submitted  | profile status of ARS, Bhavanisagar may be studied. |
|    | <b>Dr.D. Muthumanickam</b><br>Professor (SS&AC)   | <b>New project</b><br>Optimizing source and levels of Sulphur for enhancing rhizome yield and curcumin content of turmeric grown under Western zone of Tamil Nadu | June 2019 to July 2022   | Project was submitted for approval. Number awaited  | The project treatments may be revised and submitted for approval   |   |
| 5. | <b>Dr. K.M.Sellamuthu</b><br>Asst. Prof. (SS&AC)  | <b>New Project</b><br>Effect of rice husk ash as a source of silica for rice based cropping systems of Tamil Nadu   | April 2019 to March 2022 | Project proposed  | New number will be allotted after receipt of proposal with RPAC recommendation from the Director (NRM)   |   |
| 6. | <b>Dr. V. Manonmani</b><br>Professor (SS&T)   | SEED/CBE/SST/GNT/2016/001<br>Study on seed priming treatments for improving seed vigour and yield in groundnut  | June 2016 to May 2019    | The project work as per the mandate was completed and the completion report has to be submitted                         | Project to be completed. Hydro priming for drought to be studied.  |   |
| 7. | <b>Dr. V. Manonmani</b><br>Professor (SS&T)<br><b>Dr.K.Malarkodi</b><br>Asst.Prof.(SS&T)<br><b>Dr.R.Vigneshwari</b><br>Asst.Prof.(SS&T) | RF/ARS/BSR/001<br>Foundation and TFL seed component   | Apr 2007 onwards         | Seed production carried out as per the production programme communicated by the Director, Seed Centre, TNAU, Coimbatore | The project may be continued as per the schedule   |   |
| 8. | <b>Dr. K. Malarkodi</b><br>Asst. Prof. (SST)  | SEED/BSR/SST/GGR/2017/001<br>Study on impact of seed priming and seed coating techniques on resistance to water stress in greengram                               | June 2017 to May 2019    | Two year trial with four seasons was completed. Storage study is in progress  | The interaction study of seed priming and bruchid infestation may be taken up. The project may be completed. Externally funded projects may be proposed. |   |



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| 9.  | <b>Dr.R. Vigneshwari,</b><br>Asst. Prof. (SST)  | SEC/BSR/SST/RIC/2018/001<br>Evaluating the influence of seed priming on crop growth and yield of direct seeded rice   | Dec 2018 to Nov 2020   | Field trial has to be raised during June 2019   | Midterm correction for treatments to be submitted through Director, Seeds Centre for approval   |
|     | <b>Dr. R. Vigneshwari,</b><br>Asst. Prof. (SS&T),<br>Dr. Sheela Venugopal,<br>Asst. Prof. (Agrl. Ento.) | SEED/BSR/SST/RIC/2017/001<br>Evaluating an integrated management approach against Angoumois grain moth ( <i>Sitotroga cerealella</i> ) infestation to improve rice seed storability | Dec 2016 to Dec 2018   | One field experiment and storage study were completed. Sample was sent for toxicity analysis  | Promote botanicals of TNAU formulations.  |
| 10. | <b>Dr. P. Hemalatha,</b><br>Asst. Prof. (Hort.)   | HCRI/BSR/HOR/SPC/2015/003<br>Breeding of turmeric for high yield and quality  | July 2015 to June 2018 | The turmeric culture BS - 9 is under MLT II. The crop is under rhizome maturation phase   | Large scale demonstration may be done before releasing the culture. Calculate curcumin yield and actual yield/ha.<br>Rhizome harvester can be used and performance may be reported. |
|     |   | GOI-DASD/HCRI/<br>PKM/SPC/2015/D001<br>MIDH-Seed & Planting material production, distribution and transfer of technology in spices  | 2018-19                | The crop is under rhizome maturation phase to achieve the target of 33 tonnes seed rhizomes).<br>FLD on organic farming of turmeric was taken up.<br>Farmers training on 'Recent trends in turmeric cultivation' has been programmed on 26 <sup>th</sup> February, 2019 | The project may be continued as per the schedule  |
|     |   | RF/ARS/BSR/003<br>Seed production in Horticultural crops.   | Dec 2009 to till date  | The seed rhizome of turmeric and soft wood grafts of mango and Amla are being produced and distributed  | The project may be continued as per the schedule  |



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| 10. | <b>Dr. A. Valliammai,</b><br>Asst. Prof. (SWCE)           | AICRP/WTC/CBE/IWM/001<br>Optimization of depth of placement of lateral using HYDRUS for different soil types  | Sep 2016 to Aug 2019             | Two years experiments completed. In the current year simulation work has been taken up and optimization of lateral depths and wetting pattern has to done.  | Wetness spread of the soil to be recorded   |
|     |   | AICRP/WTC/CBE/IWM/001<br>Application of Soil and Water Assessment Tool (SWAT) model for estimation of surface water resources and temporal water demand for sustainable water management in a selected watershed of Bhavani river basin | Sep 2018 to Aug 2019             | Digitization of boundary map of the LBP basin completed<br>Delineation of micro watersheds has been completed<br>Preparation of thematic maps completed<br>Hydrological parameters were simulated   | The DCM may be consulted for modeling on climate study.<br>An on-station trial at Thoppampalayam block of ARS, Bhavanisagar need to be taken up.<br>Suggested to purchase soil moisture meter from ICAR-SBI, Coimbatore for study purpose |
|     |   | AECRI/BSR/SWC/2017/001<br>Identification of Water Harvesting Structures for Groundwater Recharge Using Geo-Spatial Techniques   | Nov 2017 to Oct 2018 (completed) | Runoff potential map was prepared for Bhavani watershed<br>Runoff volume was estimated<br>Various thematic layers were prepared and overlay analysis was done in GIS.<br>The suitable location was identified using geo spatial techniques for constructing the rain water harvesting structures in the study area. | Completion report to be submitted with RPAC approval  |
| 11. | <b>Dr. Sangeetha Panicker</b><br>Professor (Plant Patho.) | <b>New Project</b><br>Effect of Silicon on the control of leaf spot, leaf blotch and rhizome  | April 2019 to May 2022           | Project submitted and presented in RPAC meeting. Comments were carried out and  | New project number will be allotted after the receipt of the proposal with RPAC approval from Director (CPPS).  |



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|     |  | rot of turmeric   |                         | resubmitted for approval                          | Takeup a trial at Thalavadi area under natural condition.<br>Give a cost effective package from this project.<br>The treatment with different dose of Potassium silicate and Silicic acid alone may be taken up for the study   |
| 12. | <b>Dr. Sheela Venugopal,</b><br>Asst. Prof. (Agrl. Ento) | CPPS/BSR/ENT/RIC/2016/001<br>Evaluation of eco-friendly methods against rice yellow stem borer (YSB). | Sep 2016 to<br>Aug 2019 | Second trial crop was transplanted on 10.02.2019. | The findings of this project may be shared with other entomologists of the University.<br>Technology capsule for controlling rice pest may be submitted in CSM on rice. One page write up regarding the management practice of fall army worm may be submitted to Director (CPPS) and Director of Research. |
| 13. | <b>Dr.M.Rajavel,</b><br>Asst.Prof. (CRP)                 | DCM/BSR/CRP/RIC/ 2015/001<br>Physiological studies in aerobic rice through drip fertigation system    | Aug 2015 to<br>Jul 2017 | Project completed                                 | Completion report to be submitted through Director, Crop Management with RPAC approval.<br>New URP should be proposed.<br>The web page of ARS,Bhavanisagar need to be updated.  |



VCS Schemes

| No. | Project Leader   | Scheme No. & Title  | Date of Start & Closure | Status  | Director of Research / Technical Director   |
|-----|--|---|-------------------------|---|---|
| 1.  | <b>Dr. K.M.Sellamuthu</b><br>Asst. Prof. (SS&AC)                                       | V60ED<br>Commercial production and distribution of vermicompost   | Aug 2006 onwards        | 6.5 tonnes of vermicompost sold. 2 tonnes ready for sale  | Central farm unit need to be visited with PUSM for training and future improvement.<br>Product may be sold through Central farm, TNAU.<br>Super impose other bio-inoculants and bring out enriched vermicompost product |
| 2.  | <b>Dr. R. Vigneshwari,</b><br>Asst. Prof. (SS&T)<br>K.Malarkodi,<br>Asst. Prof. (SS&T) | V60BI<br>Production of foundation seeds of popular rice varieties through System of Rice Intensification. | Sep 2003 onwards        | 11 tonnes of seed sold. 16 tonnes of seed ready for sale  | The project may be continued as per the schedule.   |
| 3.  | <b>Dr. P. Hemalatha,</b><br>Asst. Prof. (Hort.)  | V60 AT<br>Clonal propagation of BSR 1 Amla ( <i>Emblica officinalis</i> ) for commercial outlet           | Aug 2003 onwards        | 3000 soft wood grafts of mango and 2000 soft wood grafts of amla were produced and being supplied | The project may be merged with ICAR MSP(RF) horticulture scheme.  |
|     |  | V60 EB<br>Commercial production and distribution of Banana suckers, fruits and leaves.                    | Sep 2006 onwards        | 10,000 suckers, 9.4 ton bunches and 1000 leaves were produced and supplied.                       | The project may be continued as per the schedule  |



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| 4. | <b>Dr. Sangeetha Panicker</b><br>Professor (Plant Patho.) | V60 DM<br>Mass Production of<br><i>Trichoderma viride</i> ,<br><i>Pseudomonas fluorescens</i> and<br><i>Pleurotus</i> spp. | Oct 2018<br>onwards | 360 kg <i>Trichoderma viride</i> and 240 kg <i>Pseudomonas</i> sold. 300 kg and 100 kg respectively ready for sale | Consultation with Prof. & Head (Plant Pathology) may be done to assess the possibility of liquid formulation production |
| 5. | <b>Dr. Sheela Venugopal</b><br>Asst. Prof. (Agrl. Ento)   | V60EM<br>Production and distribution of popular varieties/hybrids coconut seedlings  | Aug 2006<br>onwards | 1600 seedlings sold. Sand curing of nuts was completed and sown for next batch production.                         | More number of seedlings may be produced to meet the requirement of delta farmers                                       |
|    |   | V60IG<br>Commercial production of <i>Beauveria</i> and <i>Metarhizium</i>  | Oct 2018<br>onwards | Production to be initiated. Unit establishment was completed   | The production need to be started at the earliest   |

#### NADP Scheme

| No. | Project Leader  | Scheme No. & Title  | Date of Start & Closure | Status   | Director of Research / Technical Director                         |
|-----|---|---|-------------------------|--|---|
| 1.  | <b>Dr. V. Manonmani</b> ,<br>Professor (SST)<br><b>Dr. K. Malarkodi</b> ,<br>Asst. Prof. (SST)<br><b>Dr. R. Vigneshwari</b> ,<br>Asst. Prof. (SS&T) | M-NADP-28<br>Farmer's participatory seed production and popularization of MGR 100 rice in Tamil Nadu. | 2018-2019               | FLD (10 Nos.) was completed. Field day was conducted. Seed procurement | Status of genetic purity of paddy variety CO 52 may be addressed. |



**IAMWARM II**

| No. | Project Leader                  | Scheme No. & Title  | Date of Start & Closure     | Status   | Director of Research / Technical Director              |
|-----|---------------------------------|---|-----------------------------|--|--|
| 1.  | M. Rajavel,<br>Asst. Prof.(CRP) | TNIAMP - Phase I<br>Tamil Nadu Irrigated Agriculture<br>Modernization Project | 17.11.2017 to<br>31.03.2023 | Interventions viz.,<br>GM - SRI, SSI, PF -<br>Vegetables target has<br>been completed. | The project may be<br>continued as per the<br>schedule |

**Student Research**

| No. | Student Name  | Thesis title  | Period                   | Status  | Director of Research / Technical Director   |
|-----|---|---|--------------------------|---|---|
| 1.  | M. Rajasekar<br>III Ph.D (Agronomy)<br>Chairman:<br>Dr. N. K. Prabhakaran<br>Professor and Head,<br>ARS, Bhavanisagar | Moisture Stress Management in<br>Different Irrigation Regimes of<br>Maize | Aug 2017 to<br>June 2019 | First year<br>experiments have<br>completed (Two<br>seasons) and II year<br>experiments are in<br>progress. | Report regarding<br>PPFM spray in<br>maize may be<br>submitted to CSM<br>on millets |

**General recommendations****Director (CPPS)**

- Scientists are instructed to propose an externally funded project

**Director (NRM)**

- STCR based fertilizer prescription for ARS, Bhavanisagar soils may be prepared with a cc to NRM.
- Soil database for ARS, Bhavanisagar need to be updated.



**Director (DCM)**

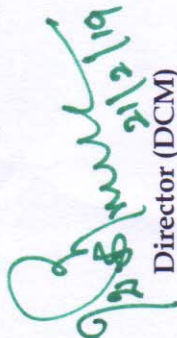
- Externally funded project with multidisciplinary aspects may be proposed

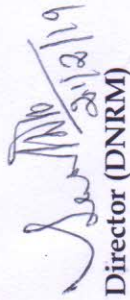
**Director (WTC)**

- Existing TNAMP basins can be used as a launching pad for evaluating and popularizing the TNAU technologies and varieties

**Director of Research**

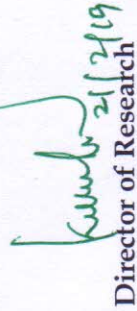
- Emphasis may be given to product/ technology oriented research projects supported by externally funding

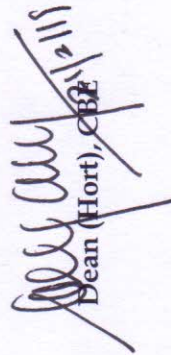
  
Director (DCM)

  
Director (DNRM)

  
Director (WTC)

  
Director (CPPS)

  
Director of Research

  
Dean (Hort), CBE

To  
All the University Officers  
All Professors and Heads, TNAU, Coimbatore  
Prof. & Heads of all Research Stations/Programme Coordinators, KVKs  
Copy to TPO to Vice-Chancellor, TNAU, Coimbatore