

ANNEXURE I

THEMES AREAS OF RESEARCH FOR POST DOCTORAL FELLOWS

S. No	Themes areas of Research
1.	Understanding the molecular basis for the accumulation of micronutrients in millets and exploiting the process of value addition for better human nutrition and healthcare.
2.	Combining the classical and molecular tools of plant breeding to understand the genetic diversity of small millets to speed-up the process of evolving superior millet genotypes for framers' cultivation. Development of high Fe, Zn rich millet varieties suitable for the food industries.
3.	Understanding the physiological and phenological basis associated with biotic/abiotic stress tolerance in millets and evolve suitable technologies to overcome the biotic/abiotic stress tolerance in millets. Identification mechanisms of resistance in the crops for various abiotic stress to develop abiotic stress resistance varieties for the southern agro climatic zones
4.	Development of economic and ecological millet based cropping system and sustainable rural livelihood for cropping system stability, food security alleviation.
5.	Development of novel food preparations and packing methods of various traditional foods using the millets grown in the southern districts of Tamil Nadu
6.	Development of methodology to take up inter disciplinary research work on the host plant resistance mechanisms in millets

ANNEXURE II

GUIDELINES FOR POST DOCTORAL FELLOWSHIP

It is a **temporary full time research position** which may be offered for those who seek to choose research as a profession. Candidate with a PhD degree in appropriate disciplines and with consistently good academic record and research potential can apply. The proposal should be innovative.

1. Eligibility:

A detailed research proposal has to be submitted along with the application. Proof of concept by way of preliminary work done is essential requirement for the applicants, which will be measured through their publications made in their SCI indexed journals. At least two letters of recommendation / reference from previous Principal Investigator / Chairman in case of freshers regarding the research capabilities and other attributes of the applicant must be submitted to the Dean, AC & RI, Madurai, directly by the referee in confidential letter. Candidates who obtained their doctoral degree from TNAU alone can apply for PDF.

2. Duration:

The duration of the fellowship will be for a period of 2 years.

3. Financial Assistance :

The Post Doctoral Fellow will be paid with consolidated fellowship of Rs.40,000/- per month.

4. Leave

Leave for maximum period of 12 days in a year in addition to public holidays may be taken by the Post Doctoral Fellow with the approval of the Project Director, Centre of Excellence in Innovations, AC & RI, TNAU, Madurai.

5. Procedure for approval

The applications received will be scrutinized by the screening committee. Later, the short listed candidates will be called to present the project proposal before the selection committee, constituted by University. No TA/DA will be paid for appearing in the interview. The decision of the Committee will be final.

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6. Procedure for monitoring the Progress of the work

The Post Doctoral Fellow shall submit, through the mentor and coordinating faculty with whom he/she is working and the head of the department/university, a half-yearly report on the progress of his/her research work. Research articles (minimum two) along with review paper should be published in journals with high impact factor (Thomson Reuters) which is mandatory for submission of completion report.

Annual progress report of the research work done by the fellow may be examined by the research committee constituted by the university / institute and recommendations / comments of the committee may be sent to the Director of Research and Dean (SPGS), TNAU, Coimbatore for approval.

In case the progress of the work is found unsatisfactory, the fellowship may be terminated by the committee at any time during the tenure of the award. The decision of the committee in this regard will be final.

The fellow shall not accept or hold any appointment, paid or otherwise, or receive any emoluments, salary, stipend, etc. from any other source during the tenure of the award. However, no extension is permissible beyond the total period of two years. Any claim/reference to this effect will be illegal.

If the fellow wishes to leave the fellowship before the end of the tenure, it should be done with prior approval of the committee and refunding the total fellowship obtained. The decision of the University will be final in this regard.

7. Cancellation of award

The fellowship is liable to cancellation, in case of :

- Misconduct.
- Unsatisfactory progress of research work.
- Candidate if later found ineligible as per the eligibility stipulated in the advertisement.
- Candidate is already availing scholarship/fellowship from any other sources.

8. Documents for applying to the post of Post of Doctoral Fellow

- Application form (to be obtained from DSW)
- Research Proposal (as per Annexure III)
- Publications in SCI indexed journals in the relevant theme area
- Two letters of recommendation (to be sent by the referee directly to the Dean, AC&RI, Madurai)

ANNEXURE III

PROFORMA FOR RESEARCH PROJECT PROPOSAL

(Not exceeding 3 pages)

1. Theme area chosen :
2. Title of the research project :
3. Previous work done by the applicant
4. Rationale :
5. Objectives :
6. Hypothesis :
7. Key questions to be addressed in the identified theme area
8. Broad outline of work / methodology – indicating the activities in Monitoring Review Evaluation Chart (*) :
9. Brief Methodology :
10. Expected outcome :

Signature of the candidate

Name:

Place :

Date :

(*) Monitoring Review Evaluation Chart (MREC)

Activity	1 – 4 months	5 – 8 months	9 - 12 months	13 – 16 months	17 – 20 month	21 – 24 months
						
						
						
						
						
						