



भा.कृ.अ.प.-राष्ट्रीय लीची अनुसंधान केन्द्र

ICAR - NATIONAL RESEARCH CENTRE ON LITCHI

मुशहरी प्रक्षेत्र, मुशहरी, मुजफ्फरपुर-842002 (बिहार), भारत

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Guidelines for HRD Training and Students' dissertation at ICAR-NRCL

The ICAR-National Research Centre on Litchi (ICAR-NRCL) offers practical training to students at PG level and also to B.Sc. (Ag) students in their final semester having short-term training mandatory in the course curriculum. It may also admit students pursuing M.Sc. / M.Sc. (Ag.) / MSc. (Hort.) degree in various disciplines as per guidelines which are in full conformity with that of the ICAR and are uniform across entire ICAR-Agriculture University (AU) System and applicable only to those institutions where a Memorandum of Understanding (MOU) exists between ICAR-NRCL and the University/ Deemed-to-be-University (DU) seeking collaboration. The institution which is not with MoU with ICAR-NRCL may be considered on merit basis. These activities are expected to promote the major function of the institute /laboratories at ICAR-NRCL within mandate and ongoing projects.

The objectives of HRD programme at ICAR-NRCL: The objective of HRD programme is to develop high quality human resources trained in various aspects of litchi research. Researchers have the liberty to use the data generated during the work done by them for submission of Masters/Doctoral thesis to a recognized University as per terms and condition laid down in this document.

Disciplines for HRD: ICAR-NRCL offers HRD training and provides opportunities to a limited number of candidates each year in the disciplines of Horticulture including Postharvest Technology, Plant Breeding, Plant Pathology/Microbiology and Entomology. The institute can include other disciplines also, if deemed appropriate to be in conformity with the centre's mandate.

Whom to apply for HRD training and PG dissertation/thesis:

The candidates should apply to the **Director, ICAR-National Research Centre on Litchi, Mushahari, Muzaffarpur- 842002, (Bihar)** as per schedule (notified on ICAR-NRCL website), with complete bio-data indicating discipline/ subject preference for the training and attested copies of the relevant documents. The Institute reserves the right to admit students as per requirement of the Institute programme.

1. HRD PROGRAMME FOR DISSERTATION WORK OF M.Sc./ EQUIVALENT DEGREE

- a. Time of application:** The students registered for M.Sc./ M. Tech. or equivalent degree in Agriculture/ Horticulture or any allied sciences from recognized educational institutions are allowed to undertake research for which the applications may be submitted anytime during the year.
- b. Eligibility of students:** The students registered in PG/ equivalent degree programmes of State Agricultural Universities (SAUs) and the UGC recognized Universities/Deemed Universities/ Organizations recognized by Technical Education Councils /equivalent recognized organizations offering PG courses are eligible for the training. Selection of students is based on academic merit (as evidenced by performance in UG degree and in preceding semesters/trimesters of PG Programme).

- c. **Number of seats:** The number of seats available in each session will be decided by the director based on willingness of the interested/eligible scientist in various discipline at the centre.
- d. **MoU with sponsoring institutes:** The ICAR-NRCL shall enter into an MoU with the concerned universities for registration of the M.Sc. students.
- e. **Duration of research work:** Each student enrolled in this programme will work for a minimum period of six months.
- f. **Fee structure:** As per ICAR HRD guidelines, Rs. 30,000 per semester shall be charged from those selected for training.
- g. **Others:** On completion of project work students will be allowed to submit a thesis/dissertation to his/her institution with the signature of the scientist/supervisor duly approved by the competent authority. A copy of the thesis/dissertation must be submitted to the Director, ICAR-NRCL. The student will have to arrange for boarding, lodging and transport of their own. ICAR-NRCL does not have such facilities for the trainees/students at present. During the period of project work, she should adhere to the office timings (from 10 AM to 5 PM) and discipline. His/Her attendance will be marked in the register with concerned supervisor.

2. SHORT TERM TRAINING PROGRAMME FOR STUDENTS

Except following other criteria will remain as per students pursuing M.Sc./M.Sc. (Ag.) dissertation mentioned above.

Fee structure: As per ICAR HRD guidelines a fee of Rs. 10,000 shall be charged for training duration of three months not leading to a dissertation/degree.

3. MODE OF PAYMENT OF FEE

Fees should be paid in the form of Bank Draft in favour of “ICAR Unit, NRC on Litchi, Muzaffarpur” payable at SBI, Muzaffarpur. Fees need to be paid at the time of joining the programme at the Institute.

4. PUBLICATION

The student would invariably be the senior author for the publications arising out of the research work conducted at the AU/DU/Institutes. The names of additional co-authors, depending upon their contribution in the research work may be decided by mutual consent between the student and Major Guide/Advisor. The guide of the students shall be the corresponding author for the publications coming out of the work reported in the thesis/dissertation. A teacher of the sponsoring institute, who is a member of the Advisory Committee, may also be an author. The work carried out by the students cannot be published without knowledge of the guide. Formalities for publication will be followed as per ICAR guidelines.

5. INTELLECTUAL PROPERTY RIGHTS (IPRs):

It shall be governed by ‘ICAR guidelines for Intellectual Property Management and Technology Transfer/ Commercialization’ as amended from time to time. For general understanding IPRs shall rest with the Institution where the major part of the research work was carried out by the student i.e. ICAR-NRCL and any products, technologies, patents, processes, protocols and publications coming out of the project work will be the property of ICAR-NRCL. However, student will get suitable authorship in the publication depending upon the level of his/her contribution. IPR issues and publication will generally be a part of the MoU and will be governed thereafter accordingly.