

**A MEMORANDUM OF UNDERSTANDING FOR COLLABORATIVE POST-GRADUATE RESEARCH BETWEEN ICAR-INDIAN INSTITUTE OF WHEAT AND BARLEY RESEARCH (Karnal, Haryana) AND PANDIT JAWAHARLAL NEHRU COLLEGE OF AGRICULTURE AND RESEARCH INSTITUTE (Karaikal, Puducherry)**

ICAR-Indian Institute of Wheat and Barley Research, Karnal - 132001, Haryana, India (an ISO 9001: 2015) under the aegis of Indian Council of Agricultural Research, is an apex body in the realm of wheat research, development and training which is more particularly concerned with quality and production. The organization was started in 1978 as a Directorate and shifted to Karnal in 1990 and in the past three decades, it has earned national and international recognition for its outstanding contribution in the area of research on various aspects including quality of wheat for end product making and barley for industrial application in malting/brewing. All interdisciplinary research work on Agronomy, Breeding, Biotechnology, Seed Health, Soil and water utilization, grain Quality aspects of wheat, Bioinformatics, Economics, Extension, Computer applications etc., on wheat and barley are being undertaken as per mandate of the institute with the competent faculty. Trainings are also imparted on these aspects at national level. At present the centre has a scientific staff/positions with specializations in Agronomy, Soil sciences, Plant Breeding, Entomology, Plant Pathology, Wheat Physiology, Agricultural Economics, Agricultural Extension, Statistics, Biochemistry, Biotechnology and Seed Production etc. These scientists are well trained in their field in India and abroad. There are several prestigious international collaborative projects ongoing at the ICAR-IIWBR. The centre has well-equipped laboratories having most modern scientific instruments/facilities. The institute has excellent physical and technical facility for doing research on wheat and barley production. It is, therefore, proposed to extend collaborative efforts with Pandit Jawaharlal Nehru College of Agriculture and Research Institute (Karaikal, Puducherry), accredited by ICAR (NAEAB), & affiliated to Pondicherry University which is having adequate facilities in post graduate teaching and research.

Understanding the scope of participation in this program, the PAJANCOA & RI hereafter refer to as the collaborating College/University and the ICAR-Indian Institute of Wheat and Barley Research, Karnal hereafter refer to as ICAR-IIWBR of the Indian Council of Agricultural Research, sign the Memorandum of Understanding (MoU) for jointly undertaking the post-graduate education/research program, in the field of wheat and barley quality and production with the following terms and conditions and agree to carry out their respective responsibilities as detailed in the MoU.

V. Kumar

J. Singh  
6/12/19



The student will be expected to protect the Intellectual Property Rights (IPRs) generated or likely to be generated during his/her research work. The IPRs shall rest with the institution where the major part of the research work is carried out by the student. In the event of equal amount of work being carried out at both ICAR-IIWBR and the PAJANCOA & RI, patents-protections/knowledge generated will be shared in proportion as per mutually settled terms by ICAR-IIWBR and PAJANCOA & RI.

1.9 The ICAR-IIWBR and PAJANCOA & RI will abide by the rules and regulations of the respective organizations. During the collaborative work at ICAR-IIWBR, all the candidates will be required to abide by the rules and regulations laid out by the ICAR in this regard as issued by the Competent Authority from time to time ([http://www.icar.org.in/files/Revised\\_Guidelines\\_for\\_the\\_students\\_to\\_conduct\\_research\\_25042014.pdf](http://www.icar.org.in/files/Revised_Guidelines_for_the_students_to_conduct_research_25042014.pdf)).

1.10 All questions/issues related to this MoU shall be settled amicably by both parties and disagreement if any shall be forwarded for settlement by arbitrator of mutual acceptance.

Executed this 07 day of December, 2019 for a period of 05 years, and further extendable with the consent of both the parties.

In Witness Whereof, the authorized representatives of both parties have here unto affix their signature below:

*G. P. Singh*  
7/12/19

Director  
ICAR-IIWBR  
Karnal, Haryana-132 001  
डॉ. जी.पी. सिंह/Dr. G.P. Singh  
निदेशक/Director

भा.कृ.अनु.प्र.-भा.प्लीव.सं. एवं जी. अनुसंधान संस्वान  
ICAR-Indian Institute of Wheat & Barley Research  
कर्माल-132001(भारत)/KARNAL-132001 (India)

Signed in the presence of

*R. S. Singh* 7/12/19  
Coordinating Scientist  
ICAR-IIWBR  
Karnal, Haryana-132 001

Witness 1: *S. Senthil R.* 7/12/19

Witness 2: *Poornima Jayotia* 7/12/19 (Poornima Jayotia)

*V. Ramesh*

Dean  
PAJANCOA & RI  
Karaikal - 609603  
DEAN

Pandit Jawaharlal Nehru College of  
Agriculture & Research Institute,  
Karaikal-609 603,  
U.T. of Pondicherry.

*A. P. Poucheparadjou*  
Signed in the presence of 22/11/19

Dr. A. POUCHEPPARADJOU, Ph.D.  
PROFESSOR & HEAD  
Dept. of Agri. Economics & Extension,  
P. J. N. College of Agriculture &  
Research Institute, KARAIKAL-609603  
Karaikal-609603

Witness 1: *S. Parthasarathy*  
(Dr. S. PARTHASARATHY)

Witness 2: *C. Aroutselvan*  
(C. AROUSELVAN)

*V. Ramesh*