

# स्नातकोत्तर विद्यालय POST-GRADUATE SCHOOL कैलेंडर / CALENDAR

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स्नातकोत्तर विद्यालय

Post Graduate School

भारतीय कृषि अनुसंधान संस्थान, नई दिल्ली

Indian Agricultural Research Institute, New Delhi

# Post Graduate School Calendar

2010-2011



**Indian Agricultural Research Institute**  
**New Delhi - 110 012**

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## Foreword

The Indian Agricultural Research Institute, since its inception in 1905, has been playing a flagship role in the field of agricultural research, education and human resource development. Initially, the Institute helped in training the senior officers of the Department of Agriculture through informal training courses. A formal course leading to a two year diploma, 'Associateship of IARI' in various fields of agriculture was started in 1923 which was awarded to 903 graduates upto 1957. During 1958, IARI was granted the "deemed university" status by University Grants Commission and thus became the fore-runner of the agricultural university system in India. The unique feature of education in IARI, which is based on the model of course credit system of universities in USA, is that research, teaching and extension are fully integrated. This has helped to make the post-graduate education not only more relevant to solve the farmers' problems but also made it competitive at national and international levels.

Post Graduate School of IARI provides national and international leadership in Human Resource Development. The IARI is well poised to find solution to some of the problems that have surfaced in the post Green Revolution era, such as environmental and land degradation, water shortage, climate change, emerging of pest and diseases, and loss of biodiversity. In addition to India's population surge, the GATT, GATS, IPR, PVR&FR, Kyoto protocol, CBD, Bio-safety guidelines and several environmental acts will have both direct and hidden effects on Agricultural research and education. Even though India has achieved an enormous amount of success in agricultural development, we have to continually feed more than one billion people in the coming years from finite land area.

Keeping the tradition of the glorious past, the PG School is trying to scale newer heights in agricultural research, education and extension through change in course curriculum and adopting innovative teaching methodologies. In this context, I am happy to note that the Institute is bringing out this new edition of the important publication, Post Graduate School Calendar containing the revised PG course curricula and syllabus and updated rules and regulations approved during 2006-07 till date. This exercise done after a gap of six years is expected to provide greater professionalism to the PG School of IARI. I thank the entire faculty, Professors, students for their contribution in preparing this document. Our special thanks are due to the resource persons *viz.*, Dr. Sudhir Kumar Sopory, Vice Chancellor, JNU, Delhi, Dr. M. Mahadevappa, Director, JSS Rural Development Foundation, Mysore, Dr. S. Edison, former Director, CTCRI, Trivandrum, Dr. I.P. Abrol, Director, CASA, New Delhi and Dr. P.C. Chengappa, Former Vice Chancellor, UAS, Bengaluru for their scholarly inputs during the PG course curricula revision process. The PG School is thankful to the untiring efforts made by Dr. H.S. Gaur, Dean & Jt. Director (Edn.) and members of the Editorial Committee. My appreciation is also for the whole team of the Post Graduate School.



**(H.S. Gupta)**

Chairman, Academic Council &  
Director, IARI (Deemed University)  
New Delhi

Date: 1-2-2011  
Place: New Delhi

## Preface

The Indian Agricultural Research Institute (IARI) is India's largest and foremost Institute in the field of research and higher education and training in agricultural sciences. The Green Revolution was born in the fields of IARI and our graduates constitute the core of the quality human resource in India's agricultural research and education. There has been improvement in the agricultural education and training from time to time through the innovations of new research and technical advances. The Post Graduate School of Indian Agricultural Research Institute which was first established as a part of the Deemed University in 1958 has been engaged in providing high quality agricultural education at the post-graduate level in the country as a lead centre. From 1923 till 1958, the IARI extended agricultural education leading to 'Associateship of IARI' equivalent to M.Sc., which was awarded to 903 scholars. In 1958, there were only six disciplines for admission to PG courses, which have now increased to 23 for M.Sc., one for M.Tech. and 22 for Ph.D. So far, 3138 M.Sc. and 4077 Ph.D. students have been awarded including 287 international students. The Post Graduate School, IARI has made significant contributions by producing M.Sc. and Ph.D. degree holders who are occupying key positions at the national as well as international level, besides the best crop varieties and production and protection technologies.

The Post Graduate School Calendar contains all relevant rules and regulations and laws and by-laws right from admission to the eligibility of the qualified student to receive the degree and a thorough listing of course curricula of various disciplines which have been updated in the light of the amendments approved by the Academic Council. The course-curricula have been revised as per the pattern developed by the ICAR which included deletion of obsolete courses, addition of new courses, merger of courses and listing of some courses across the disciplines, keeping in pace with the latest developments taking place in agricultural education and research. This revised volume will prove worthy of providing relevant information to the students as well as to the faculty members and motivate young research scholars pursuing their studies especially in agricultural sciences to strive towards excellence.

I am highly indebted to all the resource persons, Professors, faculty members and the Committee comprising Dr. V.C. Mathur, Dr. R.D. Gautam, Dr. V.P. Singh, Dr. Anil Sirohi, and Dr. K. M. Manjiaiah for their support in bringing out this updated volume. My thanks are also due to the entire staff of the Post Graduate School.

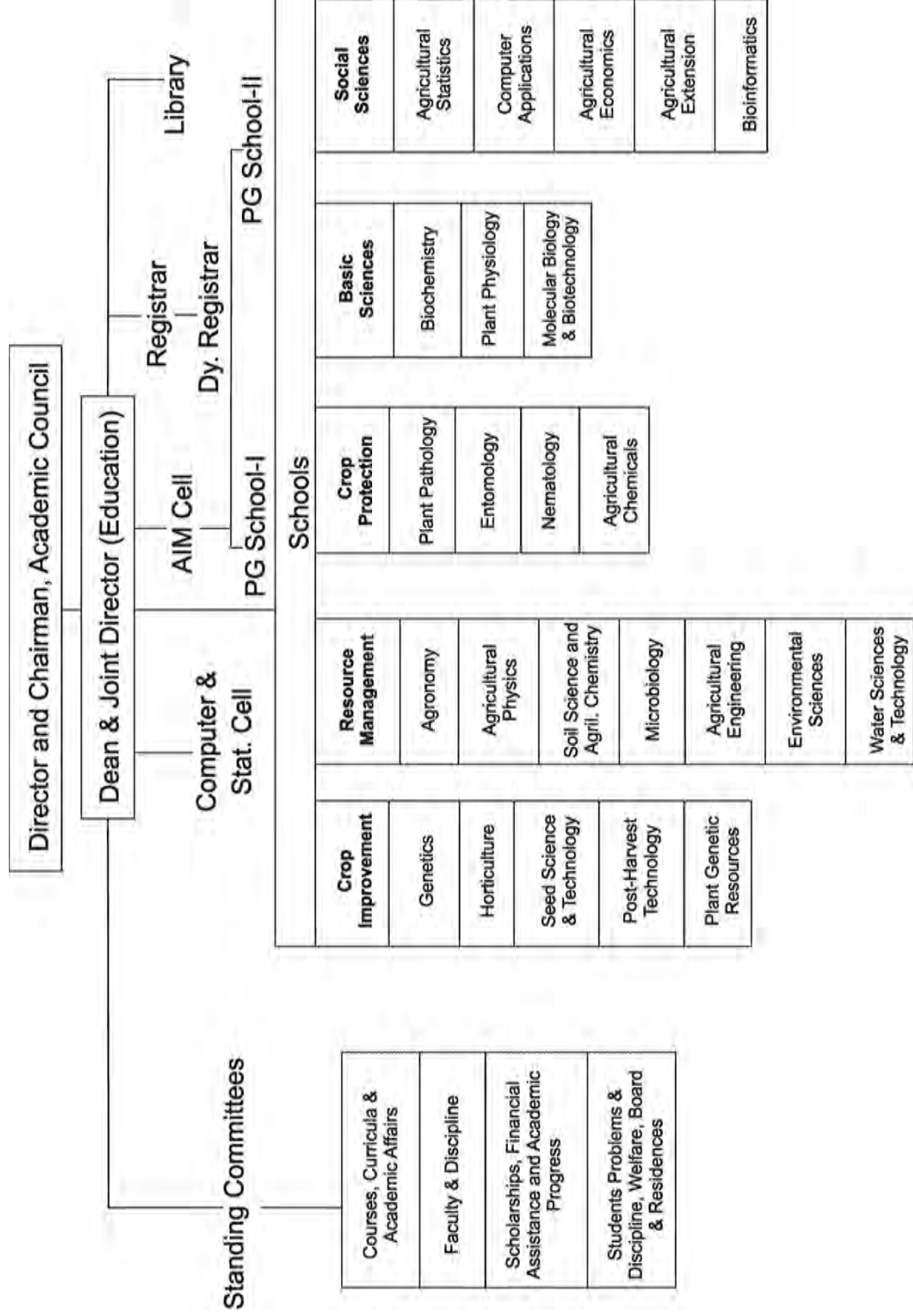


**(H.S. Gaur)**

Dean & Joint Director (Edn.)  
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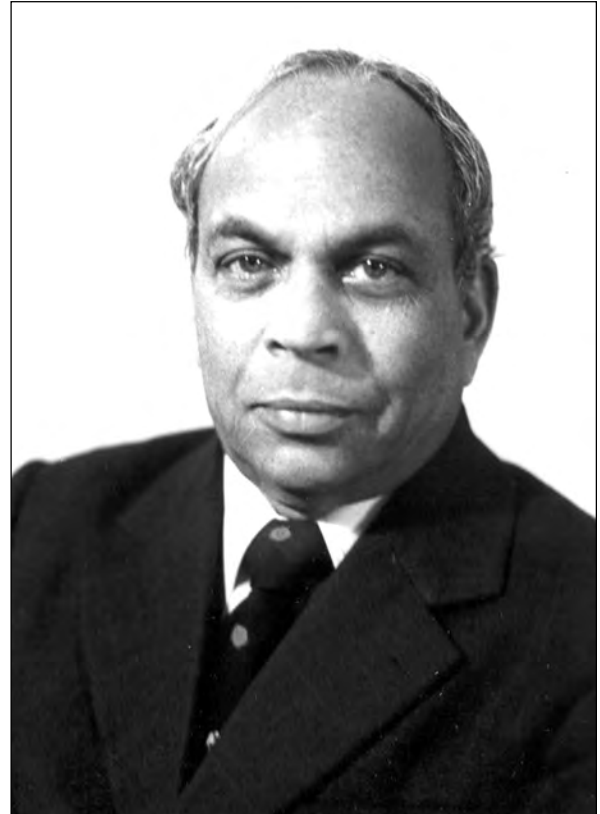
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# Post Graduate School Indian Agricultural Research Institute, New Delhi



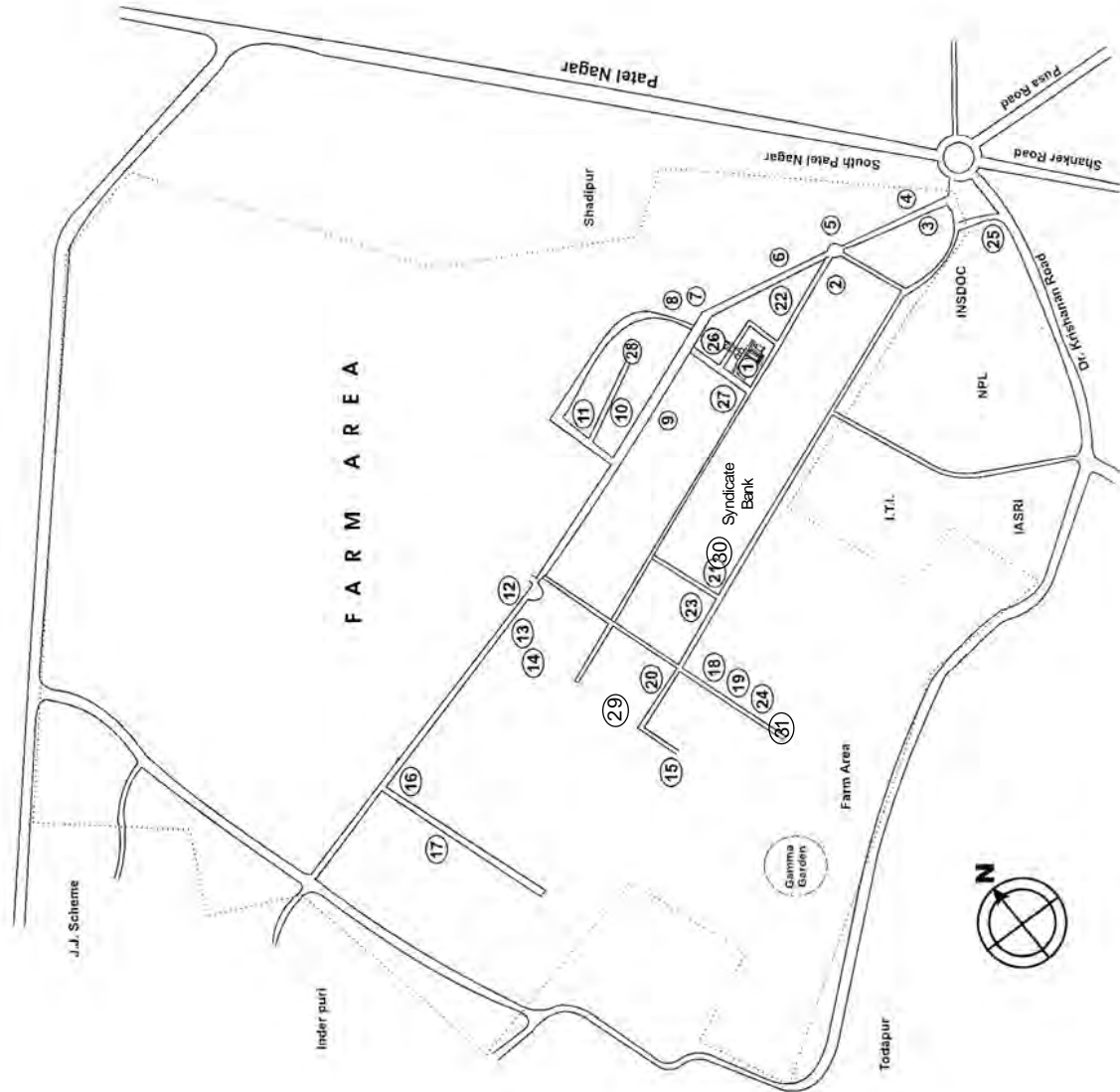


**Dr. R.W. Cummings (1958-60)**  
**Ist Dean of IARI Post Graduate School**



**Dr. A.B. Joshi (1960-66)**  
**Ist Indian Dean of IARI Post Graduate School**

# Layout Plan of the Indian Agricultural Research Institute New Delhi - 110 012



1. Library
2. P.G. School
3. Soil Science and Agricultural Chemistry
4. Plant Pathology
5. Entomology
6. Auditorium
7. Genetics
8. Seed Science and Technology
9. Horticulture
10. Nuclear Research Laboratory, Environmental Sciences, Agricultural Physics
11. Plant Physiology
12. Biochemistry
13. Microbiology
14. Agricultural Extension
15. Agricultural Economics
16. Water Technology Centre
17. Agronomy
18. Agricultural Engineering
19. Sharad Hostel
20. Shishir Hostel
21. Vasant and Hemant Hostels
22. Varsha Hostel
23. Lal Bahadur Shastri Centre for Biotechnology and Plant Protection, Nematology, Agricultural Chemicals, NCIPM
24. Dispensary
25. Faculty Club, Shopping Complex
26. Reception
27. Post Office
28. Cummings Lab, DMR/Cereal Lab.
29. National Phytotron Facility
30. Rituraj Hostel
31. Grishm Hostel
32. Kaveri Trainees Hostel

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