

डॉ सीमा जग्गी
सहायक महानिदेशक (मानव संसाधन विकास)

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कृषि शिक्षा प्रभाग
भारतीय कृषि अनुसंधान परिषद
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Agricultural Education Division
Indian Council of Agricultural Research
Krishi Anusandhan Bhawan - II, PUSA, New Delhi - 110 012

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Dated: May 06, 2026

To,

1. Directors of ICAR Institutes
2. Vice Chancellors of Agricultural Universities (AUs-comprising of SAUs/CAU/ICAR DUs/CUs having a faculty of Agriculture)

Subject: Organisation of Summer/Winter Schools and Short Courses - Inviting Proposals for the Year 2026-27.

Sir/Madam,

As the HRD initiative, the Council supports the organization of Summer/Winter Schools and Short Courses in different disciplines of agriculture and allied sciences in Agricultural Universities (AUs) and ICAR Institutes. The main objective of Summer/Winter School and Short Course is to provide an opportunity to teachers, research workers, and specialists working in AUs and ICAR Institutes to update their knowledge and skills in order to keep abreast with the latest developments in the specialized/emerging areas of agricultural and allied sciences. These Summer/Winter Schools and Short Courses also cover specialized new techniques, research methodology, and teaching methods and materials.

For the conduct of Summer/Winter Schools and Short Courses, the availability of expertise, good laboratory/experimental facilities, an adequate number of senior faculty members, and a research base in the concerned field is necessary. Accordingly, proposals are invited on a sharply focused topic of inter-disciplinary nature within the broad disciplinary framework.

Proposals from ICAR and AU-System are invited at email adg.hrd.applications@gmail.com by **June 15, 2026**, clearly mentioning the Course and University/Institute name in the subject line of the email, and also send the hard copy of the proposal to “**ADG(HRD), Agricultural Education Division, KAB-II, Pusa Campus, New Delhi-110012.**”

You are requested to forward a maximum of two proposals from your Institute/University. Each proposal can have one Course Director and a maximum of two Co-Directors.

For consideration of the proposals, please ensure that the statement of expenditure (ICAR Institute)/audit utilization of all the previous such training programmes conducted by your organization has been submitted to the ICAR.

Yours faithfully,

(Seema Jaggi)

- Encl.:** i) Proforma for Proposal.
ii) Suggestive list of topics.
iii) Guidelines of Summer/Winter School & Short Course.

**AGRICULTURAL EDUCATION DIVISION
INDIAN COUNCIL OF AGRICULTURAL RESEARCH, NEW DELHI**

**Proforma for Submitting Proposal for Organization of Summer/Winter School and Short Courses
in Frontier and Specialized Areas of Agriculture and Allied Sciences
(2026-27)**

1. Topic of Summer-Winter School/Short Course.
2. Serial number of suggestive topic/subject area in which the topic falls:
3. Venue with full postal/e-mail address and office phone/fax numbers:
4. Tentative dates (From – to):
5. Eligibility qualification for the participants of the Training programme
 - i) Master's Degree and
 - ii) Working not below the rank of Assistant Professor and equivalent in the concerned subject under Agricultural University/ICAR Institute.
6. Information regarding proposed Director of Summer/Winter School and Short Courses, (enclose bio-data clearly bringing out the specific qualification, experience and scientific contribution of the Course Director in the proposed topic):
7. Faculty strength in Department (Scientist, Sr. Scientist, Principal Scientist or equivalent):
8. Information regarding other academic staff of the host Institute who are likely to be used as resource persons:
9. Specific facilities available for conducting the Summer/Winter School and Short Courses such as laboratory equipments/instruments, research farm, library, classroom guesthouse etc.:
10. Programmes/Projects and achievements in the area of special topic proposed for Summer/Winter School and Short Courses:
11. Schedule of daily lectures/practical topics to be covered and name of the faculty proposed to be engaged during the SWS/Short Course:

S.No.	Date/Day	Topic of lecture/ Practical	Name and Designation of Speaker

12. Name of the Summer/Winter School and Short Courses organized, if any during the last three years, Whether UC/AUC was sent:
13. Signature of the Director of the Summer/Winter School and Short Courses (With Official Seal):
14. Remark and recommendation by the head of the host institution for organization of the Summer/ Winter School and Short Courses:
15. Signature of the Head of the Institution (With Official Seal):

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Suggestive List of Topics for ICAR's Summer/Winter School and Short Course for the Year 2026-27

S.No	Topic/Subject Area	S.No	Topic/Subject Area
1.	Advances in micro-irrigation for improving water use efficiency and productivity	35.	Nano-technology and plant disease management
2.	Advances in molecular epidemiology	36.	Pest risk analysis research as support to domestic quarantine system
3.	Agri-business, market intelligence and block chain	37.	Phenotyping and phenomics in agriculture
4.	Advances in fish health management for enhancing fish productivity	38.	Physiological approaches to phytoremediation: Advances, impact and prospects
5.	Agro-forestry options for livelihood and diversification	39.	Power generation from new and renewable energy sources
6.	Approaches for doubling farmer's income	40.	Processing value addition and waste utilization technologies for natural fibres
7.	New extension education ARYA, Farmers FIRST and MGGM	41.	Recent development in conservation technology in animal genetic resources
8.	Antimicrobial resistance to antibiotics in animals and its impact on human health	42.	Recent developments in organic production systems and natural farming
9.	Bio processing/ food processing / packaging/ product marketing	43.	Recent developments in climate change and watershed hydrology
10.	Bio-fortification of staple food crops	44.	Secondary agriculture
11.	Culturing techniques for bio-fertilizers and bio-pesticides	45.	Stem cell technologies for clinical application
12.	Conservation of indigenous breeds in their respective tracts	46.	CAD and CAM for designing of agricultural machinery
13.	Climate change adaptation and mitigation strategies through agroforestry system	47.	Precision agriculture
14.	Communication and management skills for extensional professionals	48.	Agricultural education, entrepreneurship and skill development
15.	Emergence of new disease in globalized world	49.	Advanced statistical tools and measures for agriculture research
16.	Enhancing water productivity in scarcity zones	50.	Bio-safety, bio-security and intellectual property rights related to PGR
17.	Entrepreneurship development through agro-processing centers	51.	Proteomics in crop plants
18.	Environmental pollutants and food quality standards	52.	Handling next generation sequencing based transcriptome and genome data of plants
19.	Exploitation of underutilized vegetables/fruits	53.	Biotechnological and conventional tools for biotic and abiotic stress management
20.	Farmers empowerment and entrepreneurial development	54.	Allele mining and bioinformatics in fisheries for trait improvement and conservation
21.	Gender mainstreaming and gender budgeting	55.	Bio-active compounds from marine organisms: A wealth of novelties and opportunities
22.	HACCP, value addition and quality standard in fish products	56.	Remote sensing and GIS
23.	Increasing fish production through reservoir fisheries and cage-culture	57.	Recent advances in aquaculture
24.	Impact of climate change on production of livestock and poultry	58.	Responsible fisheries management for sustainable development
25.	Spatial decision support systems for watershed management	59.	Health foods
26.	Innovations in educational technology	60.	Crop diversification and integrated farming
27.	ICT in agriculture	61.	Advances in renewable energy sources
28.	Renewable energy for environmental protection and energy conservation	62.	Present state of art technology for processing and value addition
29.	Technological advances to minimize post-harvest losses in agriculture	63.	Digital solutions for enhancing agriculture output
30.	Methods and techniques for testing and evaluation of safety of food and agricultural products for human consumptions	64.	Artificial intelligence and machine learning in agriculture
31.	Insecticide resistance management strategies	65.	Big data analysis
32.	Machinery for conservation agriculture and crop residue management.	66.	Smart agriculture and way forward: New Age Technologies in Agriculture
33.	Molecular approaches in disease diagnostics and vaccines	67.	Conservation agriculture and specialty agriculture
34.	Molecular mapping of genomes and genes/QTL		

Note: Proposals can also be submitted on other contemporary/ cutting edge technologies/upcoming/ advanced topics