

डा. कुसुमाकर शर्मा

सहायक महानिदेशक (मानव संसाधन विकास)

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ASSISTANT DIRECTOR GENERAL (HRD)



मिसिल संख्या: 5(65)/2012-HRD

दिनांक 1 नवम्बर, 2012

प्रति

कुलपति, कृषि विश्वविद्यालय (राज्य कृषि विश्वविद्यालय / सम विश्वविद्यालय / केंद्रीय कृषि विश्वविद्यालय/ कृषि संकाय वाले केंद्रीय विश्वविद्यालय)

निदेशक, आईसीएआर के सभी अनुसंधान संस्थान

विषय: वर्ष 2013-2014 के लिए ग्रीष्मकालीन / शीतकालीन स्कूलों और लघु पाठ्यक्रम के आयोजन हेतु प्रस्ताव आमंत्रण

महोदय/ महोदया,

मानव संसाधन विकास पहल के रूप में परिषद् ग्रीष्मकालीन / शीतकालीन स्कूलों और लघु पाठ्यक्रमों का कृषि विश्वविद्यालयों और भारतीय कृषि अनुसंधान परिषद् (आईसीएआर) के संस्थानों में कृषि और संबद्ध विज्ञान के विभिन्न विषयों में आयोजन हेतु वित्तीय सहायता देता है। इन पाठ्यक्रमों का मुख्य उद्देश्य शिक्षकों व अनुसंधान कार्यकर्ताओं को कृषि विश्वविद्यालयों और आईसीएआर संस्थानों में कार्य हेतु अपने ज्ञान और कौशल को आधुनिक तथा नवीनतम क्रमागत उन्नति के साथ गतिक्रम बनाये रखना है। पाठ्यक्रमों में विशेष नई तकनीक, शोध पद्धति और शिक्षण विधियाँ, आदि सम्मिलित हैं। ग्रीष्मकालीन / शीतकालीन स्कूलों और लघु पाठ्यक्रम के लिए विस्तृत परिचालन दिशानिर्देश आईसीएआर की वेबसाइट पर उपलब्ध हैं (http://www.icar.org.in/files/edu/Norms-Operational-Guidelines-SWS_2012.pdf)

ग्रीष्मकालीन/ शीतकालीन स्कूलों और लघु पाठ्यक्रमों के संचालन के लिए विशेषज्ञता की उपलब्धता, अच्छी प्रयोगशाला / प्रायोगिक सुविधाएँ तथा संबंधित क्षेत्र में वरिष्ठ संकाय सदस्यों की पर्याप्त संख्या और अनुसंधान आधार होना आवश्यक है। तदनुसार, व्यापक विषय ढांचे के अंतर्गत ध्यान केंद्रित अंतः विषयों पर प्रस्ताव आमंत्रित किये जा रहे हैं। एक विषय विचारोत्तेजक सूची विचारार्थ संलग्न है।

कृपया ग्रीष्मकालीन/ शीतकालीन स्कूलों हेतु 21 दिन और लघु पाठ्यक्रमों के 10 दिन की अवधि के प्रस्तावों को 25 प्रतिभागियों के लिए उनकी वित्तीय आवश्यकताओं के साथ (प्रत्येक के 5 प्रतिभागियों) संलग्न प्रपत्र में प्रस्तुत करें। प्रत्येक कृषि विश्वविद्यालय / संस्थान से अधिकतम चार प्रस्ताव विधिवत संगठन के प्रमुख द्वारा संस्तुतित 14 दिसम्बर, 2012 तक अधोहस्ताक्षरी के पास विचार हेतु अग्रेषित करें। प्रस्ताव हेतु वित्तीय मानदंड और अन्य आवश्यक जानकारी संलग्न है।

प्रस्तावों पर विचार के लिए कृपया सुनिश्चित करें कि पूर्व आयोजित इस तरह के प्रशिक्षण कार्यक्रमों का व्यय विवरण (आईसीएआर संस्थानों से) / ऑडिट उपयोग प्रमाण पत्र (कृषि विश्वविद्यालयों से) परिषद् को भेजा जा चुका है।

भवदीय,

(कुसुमाकर शर्मा)

संलग्न उपरोक्त

English version overleaf

Proforma for submitting proposal (5 copies) on organization of Summer/Winter Schools and Short Courses in frontier and specialized areas of agriculture and allied sciences (2012-2013)

1. Topic of Summer/Winter School/ Short Course:
2. Serial number of suggestive topics/ subject area in which the topic falls:
3. Venue with full postal/e-mail address and office phone/fax/Mobile numbers:
4. Tentative dates (From – to):
5. Eligibility qualification for the participants of the Summer/Winter School /Short Course
 - i) Master's Degree and
 - ii) Working not below the rank of Assistant Professor and equivalent in the concerned subject under Agricultural University /I.C.A.R. Institute
6. Information regarding proposed Director of Summer/Winter School/ Short Course (enclose bio-data clearly bringing out the specific qualification, experience and scientific contribution of the Director Summer /Winter School / Short Course in the proposed topic):
7. Faculty Staff strength in Department (Assistant Professor, Associate Professor and 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/Short Course such as laboratory equipments/instruments, research farm, library, classroom, guesthouse etc.:
10. Teaching/Research/Extension Education achievements of the Department in the proposed subject of Summer/Winter School /Short Course:
11. Programmes/Projects and achievements in the area of special topic proposed for Summer/Winter School/ Short Course:
12. Schedule of daily lectures/practical topics to be covered and name of the faculty proposed to be engaged during the SWS/Short Course:

| 1. NO. | S | Date /Day | Topic of lecture/Practical | Name & Designation of the faculty |
|--------|---|-----------|----------------------------|-----------------------------------|
| | | | | |

13. Name of the Summer/Winter School/Short Course organized, if any **during the last three years:**
14. Signature of the Director of the Summer/Winter School/Short Course (With official Seal):
15. Remarks and recommendation by the head of the host institution for organization of the Summer /Winter School/Short Course:
16. Signature of the Head of the Institution (With Official Seal):

Financial Norms and Rules of Summer/Winter Schools for 25 Participants

| S. No. | Item of Expenditure | Revised Rate |
|--------|--|--|
| 1. | Boarding and Lodging: <ul style="list-style-type: none"> • Facilities for wholesome meals and refreshments to be made available by the Institutional Head in keeping with the local conditions, • Local participants are not eligible for boarding and lodging, however, local hospitality i.e. working lunch, tea, etc. to be provided subject to a limit of Rs. 100/- per participant per day, • Participants are to be provided accommodation, free of cost, in the Institutional Guest House/Hostel. | 21 days: Rs. 1,05,000/- 10 days: Rs. 50,000/- @ Rs. 200/- per participant per day |
| 2. | Travel: The participants will be paid for the journey, to and fro, restricted to AC-II-tier train fare or bus or any other means of transport in vogue, as the case may be, Actual TA is to be paid normally on production of a certificate by the participants. TA may be paid from the place of duty to the Summer/Winter School/Short Course location and back by the shortest route. | 21 days: Rs. 90,000/- 10 days: Rs. 90,000/- (As per actuals) |
| 3. | Office supplies, laboratory equipment, chemicals, communication charges, laboratory overheads etc. | 21 days: Rs. 90,000/- 10 days: Rs. 30,000/- |
| 4. | Honorarium to Secretarial /Clerical /Technical /Laboratory staff, Class IV (maximum 8 persons) | Rs. 4,000/- @ Rs. 500/- per person |
| 5. | Honorarium to Academic Staff Honorarium for Course Director, Core Academic Staff (four additional staff), other lecturers with maximum of two lectures per person. | 21 days and 10 days: Rs. 16,000/- Director: Rs. 2500/- Core Staff: Rs. 1500/- Per Lecture: Rs. 500/- |
| 6. | Honorarium and TA/DA for Guest Lectures (not more than four) with travel as per their entitled class, including honorarium per lecture with maximum of two lectures per person. | 21 days: Rs. 60,000/- Rs. 500/-per lecture: |
| 7. | Miscellaneous and contingencies | 21 days: Rs. 10,000/- 10 days: Rs. 5,000/- |

NOTE:-

1. Duration and number of participants are to be taken into the account while giving individual financial sanction to each Summer/Winter School and Short Course. i.e. if duration and number of participants are reduced, proportionate amount is to be deducted from all financial items indicated above.
2. It is mandatory to provide lecture notes and practical manual, as the case may be, to the participants, at the beginning of the course.
3. Copies of lectures of Summer/Winter School should be placed on the Institution website and also distributed to the Library/Agricultural Universities/ICAR Institutes on a CD by the Director of the Summer/Winter School.
4. Summer/Winter School should have at least 15 participants (minimum) or 50% of the maximum number fixed per Summer/Winter School.
5. Academic staff members are to be involved closely in the lectures, discussions and laboratory work. Supporting staff for laboratory work may be drawn from the research scholars, technical staff etc. Honorarium is payable to the Academic and other staff from ICAR organizations also.
6. Number of local participants should not exceed 10% of the total number of participants.

EDUCATION DIVISION, INDIAN COUNCIL OF AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI
SUGGESTIVE LIST OF TOPICS FOR ICAR's SUMMER/ WINTER SCHOOLS AND SHORT COURSES FOR THE YEAR 2013-2014*

| S. No | Topic/ Subject Area | S. No | Topic/ Subject Area |
|-------|--|-------|---|
| 1. | Advances for the assessment of soil-plant-atmosphere system to increase input use efficiency of soil and water resources | 44. | Entomopathogenic nematodes and their significance in insect biocontrol |
| 2. | Advances in Bioremediation Technologies | 45. | Environmental pollutants & food quality standards |
| 3. | Advances in disease forecasting models | 46. | Exploitation of under utilized vegetables/fruits |
| 4. | Advances in farm Management | 47. | Extension Strategies for combating current Agrarian Crisis |
| 5. | Advances in heterosis and plant breeding | 48. | Farmers empowerment and entrepreneurial development |
| 6. | Advances in methodological paradigm and tools in extension research | 49. | Fish biotechnology/DNA Fingerprinting/Molecular markers |
| 7. | Advances in molecular epidemiology | 50. | Fish Disease Diagnostics |
| 8. | Advances in Micro-irrigation technologies | 51. | Fish feeds, Nutraceuticals, Food fish as health nutrients |
| 9. | Advances in plant protection appliances and applicators | 52. | Fish product quality standards and certification |
| 10. | Agri-business and market intelligence | 53. | Fish stock assessment in Marine and Fresh water resources |
| 11. | Agricultural engineering interventions for saving water and energy and higher productivity. | 54. | Gender mainstreaming and gender budgeting |
| 12. | Agro-forestry for mitigating climate change | 55. | Gene transfer and therapy |
| 13. | Alternatives to Methyl Bromide Fumigation of Agricultural Commodities | 56. | Genetically modified Crops: Relevance and prospects in ensuring food security |
| 14. | Animal Transgenics and cloning | 57. | Hi-tech breeding for higher productivity, quality, food colorants and nutraceutical bioactive health compounds in vegetable crops |
| 15. | Apparel manufacturing and designing | 58. | Hi-tech interventions in Fruit Production for enhancing productivity, nutritional quality and value-addition. |
| 16. | Aquaculture engineering | 59. | Impact assessment of Rural Poultry in livelihood security |
| 17. | Assessment and management of soil and water quality under evolving resource conserving technologies and agricultural intensification | 60. | Improving reproduction rate in small ruminants by reproductive technologies |
| 18. | Bio-drainage for combating water-logging and salinity | 61. | <i>Increasing photosynthetic efficiency</i> |
| 19. | Bio processing/food processing / packaging/product marketing/Expert | 62. | Innovations in educational technology |
| 20. | Bio-fortification of staple food crops | 63. | Innovations in Reservoir |
| 21. | Bio-fuels | 64. | Integration of quality parameters into food safety-focussed HACCP systems |
| 22. | Bio-management of orchard soil health | 65. | Integrated Nutrient management |
| 23. | Biomethanation of Solid and Liquid Organic Wastes | 66. | Integrated pest and disease management |
| 24. | BIS Standards in Good Agricultural Practices | 67. | Knowledge Management in agriculture |
| 25. | Bio-safety studies for GMOs | 68. | Mariculture |
| 26. | Breeding for abiotic stress with special reference to climate change traits | 69. | Measurement and management of resistance to chemical pesticides |
| 27. | Climate Change-Mitigation and adaptation including carbon sequestration | 70. | Micro propagation techniques |
| 28. | Climate change and stress physiology (Plants/Animals) | 71. | Micro-irrigation |
| 29. | Communication and management skills for extensional professionals | 72. | Modern breeding strategies for plant resistance |
| 30. | Conservation Agriculture | 73. | Modern Methods of irrigation for enhanced water use efficiency and productivity |
| 31. | Crop diversification through tropical and subtropical fruit crops | 74. | Molecular approaches in disease diagnostics and vaccines |
| 32. | Crop modeling for better management | 75. | Molecular breeding and marker assisted selection for crop improvement |
| 33. | Crop residue management equipment | 76. | Molecular diagnostics of plant pathogens and host-pathogen interaction |
| 34. | Current Trends in Commercial Floriculture/Ornamental Pisciculture | 77. | Multiple breeding of fishes |
| 35. | Cutting edge technologies in food-processing (pulsed electric heating, high pressure processing, ohmic heating, etc. | 78. | Molecular techniques for Nematode Identification |
| 36. | DNA Barcoding in fishes | 79. | Nano-technology and bio- security in Agriculture / Aquaculture |
| 37. | Decision support systems in agricultural research | 80. | Nano-technology and plant disease management |
| 38. | Designer foods and feeds | 81. | Numerical methods for the analysis of agricultural engineering systems |
| 39. | Developing efficacious human resource / Learning Resources/objects | 82. | Natural edible colours and flavours |
| 40. | Drudgery reduction technologies useful for farm women and farm workers | 83. | Nutritional Security through Horticulture |
| 41. | Emerging diseases of livestock | 84. | On-Farm technology testing and impact assessment |
| 42. | Enhancing water productivity in scarcity zones | 85. | Participatory Extension Research and Management |
| 43. | Entrepreneurship development through agro-processing centres | 86. | Pest management in protected agriculture |

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|------|---|------|--|
| 87. | Pest Risk Analysis Research | 101. | Recent advances in micro-irrigation and fertigation |
| 88. | Physiological approaches to phytoremediation: advances, impact and prospects | 102. | Recent development in conservation technology in Animal Genetic Resources |
| 89. | Phytochemicals formulations for pest management | 103. | Resource Conservation Technologies |
| 90. | Plant architectural engineering and management | 104. | Role of Pollinator and pollinating agents in enhancing quality crop production |
| 91. | Plant diseases and their management strategies | 105. | RS & GIS application to water resources |
| 92. | Popularization of rootstocks in vegetables and fruits | 106. | Seed production including hybrid seed production, processing & marketing |
| 93. | Postharvest pathology | 107. | Securing Commodities from pests and diseases |
| 94. | Pre-harvest management of fruit crops for improved post-harvest value | 108. | Soil health assessment techniques |
| 95. | Processing of milk and milk products/Dairy byproducts for value addition | 109. | Stem cell research |
| 96. | Processing value addition and waste utilization technologies for natural fibres | 110. | Utilization of degraded land through Horticulture |
| 97. | Production of quality planting material in horticultural crops and certification under changing WTO regime. | 111. | Use of CAD & CAM for designing of agricultural machinery |
| 98. | Phenotyping and Phenomics in Agriculture | 112. | Use of ICT in Agriculture/Fisheries & Aquaculture |
| 99. | Quality management of plant protection inputs and appliances | 113. | Value addition of livestock products and quality control |
| 100. | Quantitative genetics and statistical genomics | 114. | WTA, GATS and IPR |

** Note: Proposals could also be submitted on other contemporary/ upcoming/ cutting edge technologies.*