



Tribhuvan University
Institute of Agriculture & Animal Science (IAAS)
Dean's Contact Office
Sanepa, Lalitpur, Nepal

Liaison Office:
P.O. Box: 984, Kirtipur, Kathmandu, Nepal

Date: 2076/02/12

Attn.: Third semester MSc Ag. students

The IAAS Dean office invites research proposals from the third semester PG students at Kirtipur to support their thesis work. Limited number of small grants are available as detailed below to support a few competent thesis research proposals. Interested individuals are encouraged to apply online in the prescribed format by 26th of Jestha, 2076. The applicants will be asked to submit a print out of the synopsis and required to make power point presentations as part of the selection process. The research supports are received from two institutions (stated as Project-A and project-B, below) who operate in different modalities and priorities.

Project-A

As per the MOU between IAAS, Tribhuvan University and “Value Chain Development of Fruit and Vegetables Project” for cooperation in Research, the following thesis research topics have been provisionally identified for thesis research:

S.N.	Research Topics
1.	Awareness, perception and willingness of farmers and market intermediaries towards adoption of postharvest loss reduction measures:
2.	Effect of calcium and boron on postharvest life and quality of radish
3.	Integrated low cost interventions(maturity indices, field shade, field packaging, rigid container and night transportation) to reduce postharvest losses of tomato or cauliflower
4.	Effect of source of fertilizers (given through urea, DAP and MoP and through FYM/compost and animal urine) on postharvest life (including transportation shocks) and quality of cucumber
5.	Competitiveness of banana value chain in Nepal
6.	Gender in horticulture value chain in Nepal
7.	Role of cooperative in vegetable marketing in Nepal
8.	Postharvest handling practices and loss assessment in supply chain of the project's priority vegetable

Confined within eight topics listed above, grant will be awarded to four proposals (one for Agricultural Economics, one for Agri-Extension and Rural Sociology, one for Soil Science, and One for Horticulture related departmental students which is based on the priority set by the grantor). Applicants will have to identify and make appropriate selection of the relevant topic from the above table for developing research proposals.



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Project-B

As per MOU between Institute of agriculture and animal science (IAAS), Tribhuvan University and Water Resource Research & Development Center under Ministry of Energy, Water Resources and Irrigation (Hereinafter, WRRDC) for Research collaboration in the area of water resources to conserve and utilize soil and water for food production and environment, following themes have been provisionally identified for thesis research:

1. Improvement of on-farm irrigation performance to enhance crop productivity.
2. Optimization of water use under Integrated Water Resource Management concept.
3. Improvement of water productivity on water scarce agricultural areas of Nepal.
4. Conjunctive use of surface and groundwater resources for sustained irrigation system.
5. Judicious use of irrigation water for soil and water conservation.
6. Impact of organic and chemical fertilizer for improving water and crop productivity
7. Sustainability of ground water irrigation systems and maintaining water quality
8. Improvement options for water management and irrigation scheduling to eradicate extreme poverty and hunger, such as improved irrigation management, improved rain-fed agriculture, water harvesting, integrated water management.
9. Improved water resource management to ensure environmental sustainability, environmental flow requirements, sustainable use of sloping areas, integrated flood management.
10. Water management and climate change: analysis of water-climate interactions, impacts of climate variability on water resources utilization for food production, possible impacts of climate changes on river regimes.
11. Evaluation and use of innovative technologies in irrigation sector contributing to the science of water resources.
12. Improvement of flower, vegetable and crop production in urban and peri-urban areas using recycled waste waters.

As per priority set in MOU, only two proposals will be awarded for the students of Department of Soil Science and Agricultural Engineering.

The submission of research proposals, for Project-A and B above, must follow the guidelines given below, for proposal development:

1. Background
2. Statement of the problem
3. Objectives



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4. Methodology
5. Expected output
6. Timeline
7. Tentative budget outline, and
8. References

Evaluation process:

The selection committee will evaluate the proposals based on quality and novelty in **students' 20 minutes presentations and the synopsis write-up**. The date of presentation will be announced sooner after the last date of application. The selection committee will have the full authority to accept or reject the proposals. A representative from each of the support institution will also join the evaluation process during students' presentation.

Applicants are required to submit their proposals considering the following guideline:

1. Include a cover letter (research title, name of the department, student, major advisor and roll no.)
2. Research Proposal (this should be in the form of an extended summary; not exceeding four pages in Times New Roman font with single spacing and font size 12).

Electronic submission is accepted.

For electronic submission, PDF copy should be sent to the Directorate of Extension (DOE), IAAS Dean's Office raj5yes@gmail.com, or doe@iaas.edu.np

For any question/clarification, you are advised to direct your email or call to DOE.

Keshav Raj Adhikari, Ph.D.
Professor and Dean