



Agriculture and Forestry University
Directorate of Research & Extension
Rampur, Chitwan, Nepal



Ref. No. 36/081/082

Date: 11th September 2024

CALL FOR RESEARCH PROPOSALS

The Directorate of Research and Extension (DoREX), in collaboration with the Agriculture Development Directorate, Hetauda, is pleased to invite postgraduate students of the Agriculture and Forestry University to submit research proposals under the "Agriculture Postgraduate Research Support Program" for the fiscal year 2081/082.

Proposals must align with the thematic areas outlined below and focus on research to be conducted within Bagmati Province. Approved projects will receive financial support of **NPR 1,00,000** per student. Research must be completed by the end of the current fiscal year.

Priority will be given to research projects that will be conducted in the farms, centers, and laboratories of the Agriculture Development Directorate or on the farms of farmers in Bagmati Province.

Thematic Areas for Research Proposals:

SN	Thematic Areas	Subject
1	Fruit orchard management practices	Horticulture
2	Production technology and post-harvest management of emerging fruits (Kiwi/Citrus/Strawberry/Dragon Fruit/Avocado etc.) and vegetables	Horticulture
3	Post-harvest management of cut flowers	Horticulture
4	Identification of planting material, development of protocol (vegetative propagation) of horticultural crops (Avocado/Macadamia nut/Walnut/Chiuri/Tomato)	Horticulture
5	Production and post-harvest issues of Spice crops (Cardamom, Ginger/Turmeric, Garlic, Onion)	Horticulture
6	Efficiency of micro irrigation system (drip, sprinkler) on fruits and vegetable production	Horticulture/Agri-economics
7	Efficiency of protected structures (Tunnels, Cold chamber, A/C room for mushroom cultivation etc.)	Horticulture/Agri-economics
8	Organic production related issues in Bagmati province	Horticulture/Agroecology
9	In-vitro propagation of economically important crops	Horticulture/Plant Breeding
10	Impact of new technology on production and productivity of cereal crops	Agronomy/Agri Extension
11	Seed production technology/Hybrid seed production technology	Agronomy
12	Opportunity and constraints of product diversification of indigenous and underutilized crops	Agri-economics
13	Smart agriculture practices for climate change adaptation	Agroecology/ Agri-economics
14	Impact of agriculture subsidy programs	Agri-economics /Agri Extension
15	Appropriate model of agriculture extension on federal context	Agri Extension



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16	Agriculture cooperatives on production and marketing of agriculture commodities	Agri-economics /Agri Extension
17	Assessment of trainings provided by training center	Agri Extension
18	Agriculture extension on federal context	Agri Extension
19	Impact of agriculture extension approaches in livelihood enhancement of smallholder farmers	Agri Extension/Agri Economics
20	Impact of ICT in agriculture	Agri Extension
21	Economics of Agri-machineries, neo-technologies in agriculture	Agri-economics
22	Pest management of emerging/commercial crops	Plant Protection
23	Monitoring and management of recent outbreaks of crop pests	Plant Protection
24	Pesticide use status in commercial pockets	Agri-economics /Agri Extension/Agroecology
25	Bee flora assessment and nutritional variability, pesticides impact, effect of climate change, insect pest management, quality queen production in Apis cerana and value chain management on beekeeping	Plant Protection/Agroecology
26	Insect pest management on mushrooms	Plant Protection
27	Scope, potentiality, and constraints of lac insect	Plant Protection/Agri-Economics
28	Protected structure (Tunnel) and its impact on crop protection (Whitefly, aphid, thrips, etc.)	Plant Protection
29	Varietal characterization and identification of germplasm in provincial farms	Plant Breeding
30	Impact of soil microorganisms/Biofertilizer/PGR/Bio-char/Organic manure on crop production	Soil Science
31	Methods to increase labor use efficiency in the agriculture sector	Agri-Economics
32	Contribution of agro-tourism to the agriculture sector	Agri-Extension/Agri-Economics

Proposals must be submitted to DoREX via email at dorex@afu.edu.np within 15 days from the date of this notice, i.e., by **26 September 2024**. Proposals should include a detailed research plan, methodology, budget, and timeline, along with a recommendation letter from the student's supervisor.

For more information, please contact the DoREX office.

Kind regards,

Rishi Ram Kattel, PhD
Director **Director**