

ISSN: 2594-3146



**Journal
of
Agriculture and Forestry
University**

Volume 2

2018

Agriculture and Forestry University
Rampur, Chitwan

**Agriculture and Forestry University
Rampur, Chitwan, Nepal**

Journal of Agriculture and Forestry University (JAFU)

Volume 2

2018

Review Articles

- | | | |
|----|---|-------|
| 1. | Association of nutritional status to reproductive performance in buffaloes
B. Devkota | 1-7 |
| 2. | Can organic materials supply enough nutrients to achieve food security?
J.Timsina | 9-21 |
| 3. | Current diagnostic techniques of <i>Mycobacterium avium</i> sub sp. <i>paratuberculosis</i> in domestic ruminants
S. Singh, I. P. Dhakal, U. M. Singh, and B. Devkota | 23-34 |

Research Articles

- | | | |
|-----|--|---------|
| 1. | Effects of climate change on mountainous agricultural system in Makwanpur, Nepal
A. P. Subedi | 35-44 |
| 2. | Assessment of gender involvement and decisions in agriculture activities of rural Nepal
D. Devkota, I. P. Kadariya, A. Khatri-Chhetri, and N. R. Devkota | 45-52 |
| 3. | Gender roles in decision-making across the generation and ethnicity
D. Devkota and K. N. Pyakuryal | 53-62 |
| 4. | Out-migration and remittances in Nepal: Is this boon or bane?
R. R. Kattel and N. Upadhyay | 63-72 |
| 5. | Economic valuation of pollination service in Chitwan, Nepal
S. C. Dhakal | 73-77 |
| 6. | Behavioral practices of supply chain actors on quality maintenance of raw milk in Nepal
U. Tiwari and K. P. Paudel | 79-89 |
| 7. | Livelihood improvement through women empowerment for a broader transformation in the way of living: A case of Churia area
Y. Humagain and D. Devkota | 91-99 |
| 8. | Effect of organic and conventional nutrient management on leaf nutrient status of broad leaf mustard (<i>Brassica juncea</i> var. <i>rugosa</i>)
B. P. Bhattarai, K. P. Shing, S.M. Shakya, G. B. K.C., and Y. G. Khadka | 101-105 |
| 9. | Effect of planting dates of maize on the incidence of borer complex in Chitwan, Nepal
G. Bhandari, R. B. Thapa, Y. P. Giri, and H. K. Manandhar | 107-118 |
| 10. | Growth, yield and post-harvest quality of late season cauliflower grown at two ecological zones of Nepal
H. N. Giri, M. D. Sharma, R. B. Thapa, K. R. Pande, and B. B. Khatri | 119-126 |
| 11. | Efficacy of commercial insecticide for the management of tomato fruit borer, <i>Helicoverpa armigera</i> hubner, on tomato in Chitwan, Nepal
R. Regmi, S. Poudel, R. C. Regmi, and S. Poudel | 127-131 |

12. Efficacy of novel insecticides against South American tomato leaf miner (*Tuta absoluta* Meyrick) under plastic house condition in Kathmandu, Nepal 133-140
R. Simkhada, R. B. Thapa, A. S. R. Bajracharya, and R. Regmi
13. Simulation of growth and yield of rice and wheat varieties under varied agronomic management and changing climatic scenario under subtropical condition of Nepal 141-156
S. Marahatta, R. Acharya, and P. P. Joshi
14. Wet season hybrid rice seed production in Nepal 157-163
S. N. Sah and Z. Xingian
15. Nutritional parameters in relation to reproductive performance in anestrus chauri (Yak hybrid) cattle around Jiri, Dolakha 165-169
B. P. Gautam, B. Devkota, R. C. Sapkota, G. Gautam, and S. K. Sah
16. Changes in physiological and metabolic parameters of sheep (*Ovis aries*) during trans-humance at western himlayan pastures 171-175
K. Bhatt, N. R. Devkota, I. C. P. Tiwari, and S. R. Barsila
17. Reproductive status and infertility in Chauries around Jiri, Dolakha 177-182
R. C. Sapkota, B. Devkota, B. P. Gautam, T. B. Rijal, G. R. Aryal, and S. K. Sah
18. Determining chemical constituents of the selected rangeland to help improve feed quality under the context of climate change in the districts of Gandaki river basin 183-189
S. Chaudhari and N. R. Devkota
19. Productivity and chemical composition of oat-legumes mixtures and legume monoculture in southern subtropical plains, Nepal 191-198
S. Dangi, N. R. Devkota, and S. R. Barsila
20. Effect of forced molting on post molt production performance of locally available commercial laying chicken 199-204
S. Sapkota, R. Shah, D. K. Chetri, and S. R. Barsila
21. Supply chain analysis of carp in Makwanpur, Chitwan and Nawalparasi districts of Nepal 205-210
K. Adhikari, S. Rai, D. K. Jha, and R. B. Mandal
22. Efficacy of tamoxifen on sex reversal of nile tilapia (*Oreochromis niloticus*) 211-216
N. P. Pandit, R. Ranjan, R. Wagle, A. K. Yadav, N. R. Jaishi, and I. Singh Mahato
23. Performance of pangas (*Pangasianodon hypophthalmus*) under different densities in cages suspended in earthen pond 217-224
S. N. Mehta, S. K. Wagle, M. K. Shrestha, and N. P. Pandit
24. An assessment on abundance of aquatic invasive plants and their management in Beeshazar lake, Chitwan 225-230
A. Sharma, S. Bhattacharai, and B. Bhatta
25. In the search of end products of commercially important medicinal plants: A case study of yarsagumba (*Ophiocordyceps sinensis*) and bish (*Aconitum spicatum*) 231-239
G. Kafle, I. Bhattacharai (Sharma), M. Siwakoti, and A. K. Shrestha
26. Carbon stocks in *Shorea robusta* and *Pinus roxburghii* forests in Makawanpur district of Nepal 241-248
P. Ghimire, G. Kafle, and B. Bhatta