

Volume 4	2020
<u>Review Articles</u>	
1. Concept and rationale of evolutionary plant breeding and its status in Nepal B. K. Joshi, D. K. Ayer, D. Gauchan, and D. Jarvis	1-11
2. Food availability and consumption in relation to developing strategies for sustained production and supply in Nepal S. Pokhrel	13-28
<u>Research Articles</u>	
1. Value chain analysis of large cardamom in eastern Himalayan road corridor of Nepal: Trade and governance R. R. Kattel, P. P. Regmi, M. D. Sharma, and Y. B. Thapa	29-41
2. Probit and Logit analysis: Multiple observations over time at various concentrations of biopesticide <i>Metarhizium anisopliae</i> strain T. N. Bhusal, M. Pokhrel, and R. B. Thapa	43-51
3. Productive efficiency of organic vegetable grown in kitchen garden of Chitwan, Nepal S. C. Dhakal	53-60
4. Role of social capital on flood resilience capacity: Evidence analysis from Susta, Nawalparasi Paschim, Nepal N. Gyawali, D. Devkota, P. Chaudhary, A. Chhetri, and N. R. Devkota	61-66
5. Effect of digestate / biogas slurry on wheat under rice – wheat cropping system B. P. Pandey, N. Khatrri, M. Yadav, K. R. Pant, R. P. Poudel, and A. H. Khan	67-75
6. Assessment of site specific nutrient management on the productivity of wheat at Bhairahawa, Nepal M. Yadav, S. K. Sah, A. P. Regmi, and S. Marahatta	77-82
7. Field response of wheat genotypes to spot blotch under different sowing dates at Rampur, Chitwan, Nepal S. Nepal, S. M. Shrestha, H. K. Manadhar, and R. K. Yadav	83-90
8. Weed density and productivity of dry direct seeded rice in relation to weed management practices and seedbed preparation methods P. Shah, S. K. Sah, K. B. Basnet, and M. N. Paudel	91-100
9. Weed dynamics and productivity of dry direct seeded rice in relation to tillage and weed management practices D. Marasini, S. K. Sah, S. Marahatta, and S. Dhakal	101-108
10. Evaluation of maize hybrids in Terai and inner Terai ecological belt of Nepal K. B. Koirala, T. R. Rijal, G. KC, S. Khan, D. N. Mahato, S. Manandhar, S. Subedi, and M. P. Tripathi	109-116
11. Nitrogen levels influence barrenness and sterility of maize varieties under different establishment methods during hot spring in western Terai of Nepal S. Marahatta	117-127
12. Comparative economics of maize grain and seed production in Okhaldhunga, Nepal P. R. Dulal and S. Marahatta	129-137
13. Evaluation of capsicum (<i>Capsicum annum</i> L.) genotypes for variety improvement D. R. Bhattarai, S. K. Maharjan, I. P. Gautam, S. Subedi, and S. Pokhrel	139-144
14. Integrated management protocol for New Zealand endemic wheat bug (<i>Nysius huttoni</i>) in forage brassicas S. Tiwari, N. Dickinson, and S. D. Wratten	145-151
15. Mulching materials affect growth and yield characters of cucumber (<i>Cucumis sativus</i> cv. Malini) under drip irrigation condition in Chitwan, Nepal A. Karki, B. Sapkota, P. Bist, K. Bista, J. P. Dutta, S. Marahatta, and B. Shrestha	153-159

16.	Effect of plant growth regulators on flowering and fruit yield of cucumber (<i>Cucumis sativus</i> cv. Malini) in Chitwan, Nepal.	161-167
	B. Sapkota, M. Dhital, B. Shrestha, and K.M. Tripathi	
17.	Growth, yield and post harvest quality of late season varieties of cauliflower at Rampur, Chitwan	169-175
	H. N. Giri	
18.	Efficacy testing of 'soft' pesticides for cabbage butterfly (<i>Pieris brassicae nepalensis</i> Doubleday) in cauliflower at Rampur, Chitwan	177-182
	H. N. Giri, M. D. Sharma, R. B. Thapa, K. R. Pande, and B. B. Khatri	
19.	Forest land prone to more soil erosion than cultivated land in the Chure hill of eastern Chitwan, Nepal	183-195
	B. Oli, B. R. Khanal, C. P. Shrivastav, S. Lamichhane, and R.B. Ojha	
20.	Agroforestry systems: Biodiversity, carbon stocks and contribution to rural livelihood	197-205
	P. Ghimire and S. Bolakhe	
21.	GIS based approach in land suitability analysis of Lokta (<i>Daphnee bholua</i>)	207-216
	S. Tripathi, H. Adhikari, and S. Ghimire	
22.	Detection of <i>Mycobacterium avium</i> sub sp. <i>paratuberculosis</i> (MAP) by PCR in the faeces of dairy cattle of Chitwan, Nepal	217-224
	S. Singh, I. P. Dhakal, U. M. Singh, and B. Devkota	
23.	Current practices of Nepalese veterinarians for the clinical management of pain in animals	225-230
	S. Shrestha and M. K. Shah	
24.	Aanti-inflammatory properties of methanolic extract of "sikari laharo" (<i>Periploca calophylla</i>)	231-242
	J. Adhikari, S. Thapaliya, S. Singh, M. K. Shah , and N. Paudyal	
25.	Protein deficiency – a challenge to livestock productivity enhancement in Nepal	243-254
	S. B. Singh	
26.	Different seed rates of forage maize with a fixed stand of cowpea affects proximate composition of both species	255-259
	S. R. Barsila	
27.	Growth comparison of piglets fed with different level of bakery waste in basal diet	261-267
	M. R. Tiwari, H. R. Dhakal, and M. Sah Sudi	
28.	Maximizing fodder yield of teosinte (<i>Euchlaena mexicana</i>) through sowing dates and mixed fodder cropping management	269-278
	B. Khanal, N. R. Devkota, M. R. Tiwari, and N. A. Gorkhali	
29.	Seasonal variation in milk yield, fat and SNF content of Murrah crossbred buffalo in mid-western Terai region of Nepal	279-284
	N. Bhattarai	
30.	Effect of frozen storage on microbial load of hybrid heteroclaris, <i>Clarias gariepinus</i> and <i>Oreochromis niloticus</i>	285-288
	A. A. Ayeloja, W. A. Jimoh, M. O. Shittu, and B. O. Batatunde	
31.	Effects of sunlight on the abundance of Euglenophyceae in earthen ponds	289-294
	R. B. Mandal, S. Rai, M. K. Shrestha, D. K. Jha, and N. P. Pandit	
<u>Research Note</u>		
1.	Value chain analysis of cucumber in Arghakhanchi, Nepal	295-302
	R. Khanal and S. C. Dhakal	
2.	Evaluation of efficacy of chemical, botanicals and <i>beejamrut</i> in growth promotion and management of damping off disease in cauliflower at Udayapur, Nepal	303-306
	S. G.C. and L. Khatri	
<u>Short Communication</u>		
1.	Good laboratory practices (GLP): Key in success for the disease diagnostic field	307-311
	H. Luitel	