

041X
ISSN 2091-042X
e-ISSN 2091-0428

Nepalese Journal of Agricultural Sciences

2018, Volume 17



HIMALAYAN COLLEGE OF AGRICULTURAL SCIENCES AND TECHNOLOGY
(HICAST)

Kalanki, Kirtipur 1, Kathmandu, Nepal

TABLE OF CONTENTS

EDITORIAL SUMMARY- B. P. ChauLagain5

ORIGINAL ARTICLES

1. Examination of biomaterial samples obtained from coffee and tangerine plants at Nepal's plantations affected by phytopathogens and determination of the efficiency of their suppression by the biofungicide - T.A. Nugmanova, A.N.Kalachnikova, M.V. Kabargina and D. D.Ulak.....9
2. An assessment of socio-economic and technological changes in Lampakha eco-village, Salyan - N.S. Dhami, F. Binsfeld and B. P. Rajbandari.....15
3. Economic analysis of tomato farming under different production systems in Dhading District of Nepal - P. Paudel and R. K. Adhikari.....24
4. Effect of different nitrogen and phosphorous doses on gladiolus yield in Ilam, Nepal - M. Basnet, S.M. Shakya and S.S. Pant.....31
5. Effect of feed management schemes on productive performance of white turkeys - A.K. Jha, A. K. Sah, M. R. Tiwari and M. Sah Sudi.....39
6. Histological changes in the liver tissues of bluegill sunfish (*Lepomis macrochirus*) after exposure to 17- β estradiol - N. P. Karki, B. S. Carlsward and A. Maia.....46
7. Imbalanced nutrition in DY 28 Rice threatens production - S. Yendyo and S. Jyakhwo.....54
8. The epidemiological history of rinderpest eradication in Nepal: Can we repeat this success story for peste des petits ruminants? - S. Karki and S. N. Mahato.....61
9. Comparative study of marigolds in soil and soilless media - S. Giree and G. P. Shrestha.....72
10. Sero-prevalence of mycoplasmosis in poultry in Badbhanjyang, Kathmandu, Nepal - S. S. Yadav and U. M. Singh.....77
11. Production response of dairy cattle in relation to additional bypass protein supplementation in the diet - M. R. Tiwari, S. R. Pant, M. P. Acharya, P. Thapa and B. K. Shrestha.....84

12. Management of clubroot disease of cauliflower in Kavre, Nepal –T. B. Basnet, Debraj Adhikari, P. Ghimire and S. Khatiwada.....93
13. Major diseases of broad beans in Kathmandu, Nepal – S. Baral.....100
14. Adoption of goat production technology and its impact among rural farmers of Nawalparasi district, Nepal- K. Aryal, M. Jaishi and A. Gaire.....108
15. Climate change impacts on the livelihood resources of the Chepang community in western Nepal – P. Poudel.....113
16. Evaluation of variability and genetic parameters for yield and yield-attributing traits in spring wheat (*Triticum aestivum* L.) – D. Shahi, S. Ghimire, B. Ojha, M. Bhatta, S. Rasaily, R. Rauniyar and M. Sapkota.....124
17. Adoption of climate smart agricultural technologies: impact of agriculture management information system on rice production in Banke District, Nepal- S. Regmi, G. Shrestha, B. Baral and B. P. Rajbhandari.....133
18. Carnation cut flower production and marketing in Nepal - J. Dahal, D. Adhikari, K. Karki, D. Kafle, T Chaudhary and U. Pun.....140
19. Weed management in lentils (*Lens culinaris*) under mid hills conditions of Khumaltar, Nepal - R. Bhattarai, P. Gyawaly, D. Gautam, R. Neupane, B. Bhaulagain and S. Das.....151
20. In vitro somatic embryogenesis and organogenesis from the node induced calli of *Rauvolfia serpentina* Benth. ex Kurz. - K. K. Pant and S. D. Joshi.....159
21. Evaluation of barley germplasms for stripe rust (*Puccinia striiformis* westend. F.sp. *Hordei*) resistance in mid hill condition of Nepal - S. B. Gurung, N. B. Dhami, B. Bhakta Pokharel and D. K. Nepali.....166
22. Herbage mass productivity and chemical composition of the riverine grasslands as affected by site and time of harvest in a continuously stocked conditions - S.R. Barsila, T.N. Poudel, M.S. Dhami, S. Poudel, B. Shrestha, M. Sharma and N.R. Devkota.....173
23. Evaluation of different methods of boron extraction under plain deep soil domains of Nepal- D. Khadka, R. Amgain, S. Joshi, G. Shrestha, B. R. Baral, V. Chaurisiya, K. B. Thapa, S. Shrestha and S. R. Shrestha.....191

24. Assessing productivity and nutrient use efficiency of transplanted rice using Site specific nutrient management approach in Central hills, Nepal- S. Thapa and L.P. Amgain.....198
25. Drivers of transition from export to import of rice in Nepal- A. Pudasainee, T. R. Chaulagai, Y. N. Ghimire and B. P. Chaulagain.....206
26. Remittance earning and its impact to household labour dynamics in agrarian context of Nepal- K.P. Thapalia and D. Devkota.....216
27. Genetic variability, heritability, genetic advance and trait association study for yield and yield components in advanced breeding lines of wheat- B. N. Adhikari, B. P. Joshi, J. Shrestha and N. R. Bhatta.....226

CASE STUDY

28. Intestinal obstruction in a golden retriever dog due to the ingestion of a stone: a case report- - R. Shrestha.....236

REVIEW ARTICLES

29. Laborarory techniques for the determination of L-ascorbic acid, selenium and total phenols and their relation to health: a review - P. Adhikari and P. Khanal.....239
30. Selenium and its importance to human health: a review- G. R. Pokhrel, B. B.Bhattarai, S. Pokhrel and Gui Di Yang.....245
31. Factors affecting herbage mass productivity of tropical grasslands: A review- S.R. Barsila.....254
32. Agricultural research for advancing Nepal's development: Role of agriculture and forestry universities - B.R. Upreti.....262