

**RESEARCH PUBLICATIONS IN NATIONAL/INTERNATIONAL JOURNALS
(2021-22)**

1. A Sharma, A, Gupta, R. K., Sharma, P., Attri, K., Afreen, S., Bandral, R. S., Bali, K. 2022. Transgenesis in silkworm: An overview. *International Journal of Entomology Research*, 7(1): 73-80.
2. A Sharma, A, Gupta, R. K., Sharma, P., Duwa., Attri, K., Bandral, R. S., Bali, K. 2022. Silkworm as an edible insect: An overview. *The Pharma Innovation Journal*, 11(2): 1667-1674.
3. A Sharma, A, Gupta, R. K., Sharma, P., Qadir, J., Bandral, R. S., Bali, K. 2022. Technological innovations in sericulture. *International Journal of Entomology Research*, 7(1): 7-15.
4. Aarti, Hussain, R., Gupta, V., Hasmi, S.K., Kumar, D., Zeba, A., Khushboo, S.S., Archana, T.S., Khan, S., Alam, J., Quadri, S., Jehani, M.D., Pal, R. and Hussain, T. 2022. Mechanism and potential role of mycorrhizal fungi as biocontrolagents. Agricultural Mechanization in Asia, 53:2, 5951-5965.
5. Abrol, D.P. and Shankar, U. 2021. Role of Agroforestry in Apiculture. Bee World, 98(4):124-125.
6. Abrol, D.P.and Shankar, U.2021 Phalsa is an excellent forage plant for bees and other visiting insects. Bee World, 98(3):100-103.
7. Abrol, S., Singh, S. K., Mehta, A., Ahanger, S. A., Basu, U., Vaid, A., Singh, R., Singh, A. K., Singh, V. B. 2022. Distribution pattern and prevalence of brown spot of rice (*Bipolarisoryzae*) in Jammu region. *The Pharma Innovation*, 11: 732-736.
8. Agarwal, S., Gupta, H.P., Prasad, S., Verma, P.K., Khanam, A., and Khan, F.A. 2021. Effect of various hCG treatment protocols on luteal characteristics, plasma progesterone concentration, and pregnancy in normal Indian crossbred cows, *Tropical Animal Health and Production*, 53: 220.
9. Agrawal, R., Shukla, P.C., Pande, N. andTikoo, A. 2021. Comparative therapeutic evaluation of azithromycin and nitazoxanide in cryptosporidiosis affected crossbred dairy calves. *Haryana Veterinarian*, 60 (2): 247-250.
10. Akbar, R., Sharma, M, Sharma, D., Rafiq. S. and Nisa, R.T. 2021. Management of rice weevil, *Sitophilusoryzae* L. (Coleoptera: Curculionidae) by botanicals and inert dusts in wheat. *Biological Forum-An International Journal*, 13(4): 367-372.

11. Akshay Deep, SP Singh, Jyoti Kachroo, MC Dwivedi, Anil Bhat, Nimit Kumar, Sanjeev Kumar and Sabbey Sharma. 2021. An economic analysis of marketing efficiency and constraints for cultivation of major pulses in Samba district of Jammu and Kashmir. *Journal of Food Legumes*. 34(2): 105-111.
12. Ali, Ahamad., Kour, Manpreet, Sharma, B.C., Thakur, N.P. and Sharma, R. 2021. Yield and forage quality traits of fodder oat (*Avena sativa L.*) varieties under integrated management techniques in irrigated sub-tropics of Jammu region. *International Journal of Agriculture Sciences* 13 (11), 202: 10953-10956.
13. Amin, T., Gupta, V., Choudhary, S., Singh, A., Sharma, S.K., Aarti and Yaqoob, M. 2022. Epidemiology of bacterial leaf blight of rice: Review.. *Agricultural Mechanization in Asia*, 53:3,6741-6756.
14. Anjum, N., Bhat, A., and Hameed, F. 2021. Effect of drying methods on chemical composition, color, and bioactive compounds of persimmon (*Diospyros kaki L.*) pulp. *Plant Cell Biotechnology and Molecular Biology*, 22(39840): 67-76.
15. Ankita Choudhary, Neeraj Gupta, Julie DBandral, Monika Sood and Fozia Hameed. 2021. Studies on mineral and microbiological composition of blended toffee during storage. *Indian Journal of Agricultural Biochemistry*. 34 (1): 91-95.
16. Arora, R. K., Kour, Sarabdeep.. Upadhyay, Lalit and Sharma, Vikas. 2022. Study on soil phosphatase in reference to deforestation in the Shiwalik hills of Jammu division of Jammu and Kashmir. *Biological Forum- An international Journal* 14(1): 08-11.
17. Ashok, K., Peshin, R., Manjnath, K. V., Kumar, R. and Sharma R. 2021. A Study on the Socioeconomic Profile of Self Help Groups Established under NRLM in Jammu Region. *Asian Journal of Agricultural Extension, Economics & Sociology*. 39(3): 93-98.
18. Attri H, Dey T, 2021. Screening of stripe rust resistance in bread wheat (*Triticum aestivum L.*) Genotypes. *Int. J. Curr. Microbiol. App. Sci.* 2021. 10(1):1236- 1244.
19. Attri H, Dey T, Singh B, Kour A. 2021. Genetic estimation of grain yield and its attributes in three wheat (*Triticum aestivum L.*) crosses using six parameter model, *Journal of Genet*; 100:47.

20. Attri, M., Gupta, M., Thakur, N.P., Bochalya, R.S., Mehta, S. and Bansal, K.K..2022. Response of wheat to different sources of coated urea and N budgeting under assured irrigated condition of Jammu region of J&K.
21. Badyal, S. and Sharma, N. 2022 National Education policy (NEP 2020): Reflections, Challenges and the way forward. Journal for Humanity Science & English Language. 10 (50).
22. Bali, K., Gupta, R. K., Pervez, A., Guroo, M. A., Gupta, A. and Gani, M. 2021. Variation in reproductive attributes and diapause behaviour among six populations of *Zygogramma bicolorata* Pallister. International Journal of Tropical Insect Science, 42 (1): 755-765.
23. Bali, R., Singh, A.K., Kumawat, P.K., Hussain, T., Singh, M., Sharma, R.N., Bajiya, S., and Kakryal, S.S. 2022. Seasonal incidence and eco-friendly management of Jassids in Cluster bean [*Cyamopsis tetragonoloba* (L.) Taub.]. Biological Forum An International Journal, 14 (1):1316-1320.
24. Bali, R., Singh, A.K., Kurnawat, P.K., Singh, M., Hussain, T., and Sharma, R.N. 2022. Seasonal incidence and bio- efficacy of eco-friendly insecticides of whitefly in cluster bean [*Cyamopsis tetragonoloba* (L.) Taub.]. The Pharma Innovation Journal, 11 (1):1725-1728.
25. Bana, R.C., Gupta, A.K., Bana, R.S., Shivay, Y.S., Shanti, Bamboriya, D., Thakur, N.P., Puniya, R., Gupta, M., Jakhr, S.R., Kailash, Choudhary, R.S., Bochalya, R.S., Bajaya, T., Kumar, V., Kumar, P. and Choudhary, A.K. 2022. Zinc coated urea for enhanced zinc bio fortification, nitrogen use efficiency and yield of Basmati rice under tipic fluvents. Sustainability 2022, 14-104.
26. Banarsi Lal and Vikas Tandon. 2022. Indiginous technical knowledge (ITK) adopted by farmers of hilly district Reasi of J&K in India. Journal of Community Mobilization and Sustainable Development. 17 (1): 341- 344.
27. Banoo, M., Sinha, B. K., Chand, G., Reena and Khan, F.A. 2021. Autophagy: a self-degradation system in plants. Review. SKUAST Journal of Research 23(1): 11-15.
28. Banotra, M., Sharma, B.C, Samanta, A., Gupta, L.M. and Rakesh Kumar, 2021. Production and economics of irrigated transplanted basmati rice (*Oryza sativa*) as influenced by substitution of nutrients through organics in Jammu region of India. Indian Journal of Agronomy 66(3): 295-304
29. Banotra, M., Sharma, B.C. and Nandan, B., A. Verma and R. Kumar. 2021. Performance of Knolkhol (L.) Var Gongylodes) *Brassica oleracea* under Differential Substitution of Nutrients through Organics in Irrigated Plains of Shivalik Foothills. Indian Journal of Ecology, 48(2): 418-423.

30. Banotra, M., Sharma, B.C., Gupta, L. M., Kumar, Rakesh, Samanta, A, Verma, A. and Sharma, J. 2021. Impact of differential substitution nutrients through Organics on Yield, Nutrient Uptake and Profitability of Knol-khol (*Brassica oleracea* var *gonylodes* L.) in subtropical region of J&K. *AMA, Agricultural Mechanization in Asia, Africa and Latin America* 51 (3): 1425-33
31. Banotra, M., Sharma, B.C., Kumar, R., Mahajan A. and Nandan, B. 2021. Cultivars and planting time effect on growth, yield quality and economics of sweet corn (*Zea mays* L. Var. *Saccharata*) under different conditions: Review. *Agricultural Mechanization in Asia*, 52(1)2807-2817.
32. Banti kumar, Manish Sharma, Anil Bhat and Pawan Sharma (2021). An analysis of Indian agricultural workers: a ridge regression approach. *Agricultural Economics Research Review*. 34(1):121-127
33. Beg, Y. J., Ahmed, J. A., Nashiruddullah, N. and Chakraborty, D. 2021. Electrolyte and electrocardiogram changes in dehydrated male bovine calves. *Indian Journal of Animal Research*, 55(8): 889- 893.
34. Bhadu, S.S., Salalia, R., Chandel, Y.S. and Walia, R.K. 2021. Pest Risk Assessment Studies on Potato Cyst Nematode, *Globoderarostochiensis* under North India conditions. *Biological Forum An International Journal*, 13(3): 01-04.
35. Bhagat, R., Singh, M., Sharma, B.C. and Shankar, U. 2021. Effect of sowing environments on yield attributes and yield of GobhiSarson (*Brassica napus* L.) cultivars under sub-tropics of Jammu region. *Journal of Oilseed Brassica*, 13 (1): 7-10.
36. Bharat, R., Gupta, M., Bazaya B.R. and Gupta Rahul (2022) Bio-efficacy of different herbicides on weeds and yield of Indian mustard (*Brassica juncea* L.) in Jammu, *The Pharma Innovation*, 11 (2): 725-727
37. Bharat, R., Gupta, M., Bazaya B.R. and Gupta R. (2022) Evaluation of newly released cultivars of Indian Mustard on
38. Weeds in Siwaliks region of Jammu. *International Journal of Plant and Soil Science*, 34 (15): 23-28
39. Bhardwaj, R. K., Kumar, S., Singh, R. and Kumar, A. (2021). Nutritional Secondary Hyperparathyroidism in the equines of Jammu region. *Indian Journal of Veterinary Sciences and Biotechnology*, 17(2):99-101.
40. Bhardwaj, R. K., Soodan, J. S., Singh, R., Himalini and Kumar, S. (2021). Comparison of therapeutic efficacy of long acting oxytetracycline and

- enrofloxacin in anaplasmosis affected cows. Indian Journal of Veterinary Medicine, 41(2):55-57.
- 41.Bhat, A. M., Soodan, J. S. and Singh, R. 2022. The effectiveness of an internal teat sealant in preventing new intramammary infections in dairy cattle during dry period. VeterinarskiArhiv 92 (1), 11-16.
- 42.Bhat, N. A., Iqbal, Z., Mir, S. A., Bhat, B. A., Ayaz, A., Bhat, Z. F., Shah, R. A., Ganai, N. A., Andrabi, S. M., & Bhat, H. F. (2022). Characterization and expression profiling of KRTAP9.2 at different developmental stages of pashmina fiber in changthangi goat. Indian Journal of Animal Research, B-3888.
- 43.Bhutyal, D., Khan, N, Sharma, R.K., Mahajan, V., Sasan, J.S. 2022. Comparative efficacy of herbal methionine vis-à-vis dl-methionine on performance of broiler chicken. Journal of Livestock Sciences. 13:48-57.
- 44.Bochalya, R.S., Gupta, A.K., Sharma, B.C., Puniya, R., Thakur, N.P., Sharma, M. and Singh, P. 2021. Residual effect of biofertilizer consortium and foliar nutrition on plant height of summer blackgram (*Vigna mungo*) under different fertility levels subtropical condition of Jammu. The Pharma Innovation Journal 10 (7): 609-611.
- 45.Bochalya, R.S., Gupta, A.K., Sharina, B.C., Puniya, R., Thakur, N.P., Sharma, M. and Singh, P. 2021. Residual effect of biofertilizer consortium and foliar nutrition on soil chemical properties after harvest of black gram crop as affected by different fertility levels under subtropical condition of Jammu. The Pharma Innovation Journal. 10 (6): 605- 608.
- 46.Borkataki, S., Katoch, R., Goswami, P., Bhat, A., and Chakrabarty, D.2021. Acceleration of cutaneous wound healing by *Lucilia sericata* maggots in diabetic Wistar rats. Tropical Biomedicine 38(1):86-93.
47. Butt, J. H., Konwar, D. Brahma, B., Khan, A. and Chakraborty, D (2021) Assessment of cold stress in crossbred cattle by wind chill temperature index. Indian Journal of Animal Sciences, 91(12): 1109-1111.
- 48.Chainika, G., Salgotra, R.K., Sharma, M., Gupta, Sharma, R. and and Gupta, S. 2021. Genetic diversity analysis of common bean (*Phaseolus vulgaris* L.) collected from North West Himalaya for agro-morphological traits. Plant Archives, 21(1): 1475-1481
- 49.Choton, S., Bandral, J.D., Sood, M. Gupta, N. and Shams, R. 2021. Impact of storage on functional and sensory quality of nuggets formulated from chickpea, amaranthus and radish leaves. Chemical Science Reviews and Letters, 10 (39):402-409.

50. Choudhary, M., Kumar, B., Singh, P. and Sharma, M. 2022. Diversity analysis for yoeld and its contributing traits in rice germplasm (*Oryza sativa* L.) using principal component analysisapproach. International Journal of Environment and Climate Change 12(09):143-150
51. Choudhary, P., Guleria, S., Sharma, N. and Salaria, K.H. 2021. Comparative phenoliccontent and antioxidant activity of some medicinal plant extracts prepared bycholine chloride based green solvents and methanol. Current Research in Greenand Sustainable Chemistry, 100224.
52. Chowdhary, N., Bandral, J.D., Sood, M. Gupta, N., Dutta, U. and Shams, R. 2021. Effect of Xanthan gum and drying temperature on qualitycharacteristics of garlic powder The Pharma Innovation Journal, 10(7): 411- 418.
53. Devi S., Sharma, N., Ahmed T., Huma Z., Kour S., Sahoo B., Singh A.K., Macesic N., Lee S.J. and Gupta M.K. (2021). Aptamer-based diagnostic and therapeutic approaches in animals: Current po-tential and challenges. Saudi Journal of Biological Sciences, 28(2021): 5081-5093.
54. Devi, A., Bakshi, P., Samnotra, R. K., Sharma, V., Mondal, A. K., Kour, K., Sharma, N., Iqbal, M. and Singh, G. 2021. DRIS indices as nutritional guide for aonla cultivation. Indian Journal Horticulture, 78(1): 66-77.
55. Devi, K., Kour, K., Bakshi P., Sharma, B.C., Sharma. M. and Sinha, B.K. 2021. Genetic diversity of Ambri apple variants of Jammu region in India. Indian J. Hort. 78(4):377-82.
56. Devi, K., Kour, K., Bakshi, P., Sharma, B.C., Sharma, M. and Sinha, B.K. 2021. Assessment of morphological diversity in indigenous ambri apple (*Malusx domesticaBorkh.*). Biological Forum-An International Journal. 13(2): 325-331.
57. Devi, K., Kour, K., Bakshi, P., Sharma, B.C., Sharma, M. and Sinha, B.K. 2021. Evaluation of diversity among trees and leaf characteristics of ambri apple (*Malusx domesticaBorkh.*) in Jammu region. Biological Forum-An International Journal. 13(2): 666-669.
58. Dhotra, B., Bakshi, P., Jeelani, M.I., Kumar, V., Rai, P. K., Khajuria, S. and Vikas, V. 2021 Effect of Foliar Application of Micronutrients on Fruit Growth, Yield and Quality of Mango (*Mangiferaindical.*) cv Dashehari. Environment and Ecology, 39 (4): 873-881.
59. Diskit, S., Singh, R., Choskit, D., Kour, K. and Kakraliya, S.S. 2021. Management of mosaic disease of tomato (*Solanumlycopercicum* L.) through

- host resistance. Journal of Pharmacognosy and Phytochemistry 10(1): 189-191
60. Dogra, S., Singh, R., Pandey, A.K., and Agrawal, R. 2020. Impact of lameness on udder health and reproduction in crossbred cattle, Haryana Vet. 59(2): 248-250
61. Dutta, U., Khajuria, D and Bandral, J.D. 2021. Antimicrobial activity of endophytic microorganisms isolated from Allium Sativum. Indian Journal of Ecology. 48(6): 1780-1788
62. Dwivedi, D.K., R. B. Kushwaha, M. S. Bhadwal, A. K. Gupta, J. S. Soodan, H. R. Bhardwaj, 2021 "Evaluation of Beta- Tricalcium Phosphate Biomaterial in Femur Fracture Repair in Dogs" Indian Journal of Animal Research.
63. Gani, M., Senger, S., Lokanath, S., Saini, P., Bali, K., Gupta, R., Sivaprasad, V., & Jehle, J. and Wennmann, J. 2021. Patterns in Genotype Composition of Indian Isolates of the *Bombyx mori* Nucleopolyhedrovirus and *Bombyx mori* Bidensovirus. Viruses, 13: 901- 917.
64. Garima Yadav, Monika Sood, Neeraj Gupta and J. D. Bandral. 2021. Development of jamun-bael blended fruit cheese as a functional food. Indian Journal of Horticultural Sciences, 78(4): 445-450.
65. Garima Yadav, Monika Sood, Neeraj Gupta and S. Sharma. 2022. Assessment of nutritional and microbial quality of Jamun-Bael blended fruit cheese during storage. Journal of Environmental Biology, 43(2): 259-266.
66. Gaur, A., Bhushan, A., Samnotra, R.K., Chopra, S., Kumar, M., and Walia, A. 2021. Evaluation of Turmeric (*Curcuma longa L.*) Genotypes under Sub-tropical Plains of Jammu region (J&K). International Journal of Chemical Studies, 9(1): 3557-3561.
67. Godara, R., Katoch, R., Yadav, Anish, Nazim, K., Sofi, Omer Mohi-U-Din and Verma, P.K. 2022. Esterase mediated pyrethroid resistance in *Rhipicephalus microplus* ticks collected from north- western Himalayas. Indian J. Anim. Sci., 92: 52-54
68. Goswami, P., Kamil, S.A., Shafi, M. and Shah, S.A. 2022. Occurrence of Sub Acute Fowl Cholera in a Layer Flock of Vanaraja Bird. International Journal of Agricultural Sciences 14(3): 11166- 11167.
69. Guleria, V., Chaudhary, P., Vashisth, A., Sharma, K., Selvan, T. and Thakur, S. 2021. Terminalia chebula (Harad) Characterization by using Morphological Descriptors in Himalayan Region. The Ind. For. 147(2), 154-159

70. Gupta, C., Salgotra, R.K., Sharma, M., Gupta, M., Sharma, R and Gupta, S. 2021. Genetic analysis of common bean (*Phaseolus vulgaris* L.) collected from North-West Himalaya for agro- morphological traits. Plant Archives 21: 1475-1481.
71. Gupta, Meenakshi, Kour, Sarabdeep Bharat Rajeev Sharma, B.C. and Kachroo, D. 2022. Impact of agri-horti land use system on farm profitability and sustainability under rainfed conditions. Journal of Soil and Water Conservation 21(1): 107-113.
72. Gupta, Meenakshi and Gupta, L.M. 2021. Effect of irrigation scheduling on growth, yield and wateruse efficiency of Shatavar (*Asparagus racemosus*). Agricultural Mechanization in Asia 52 (1): 2697-2702
73. Gupta, P., A.K.Gupta, R.B. Kushwaha and R.A. Rafiqee, 2021 "Surgical management of aseptic pyonephrosis in a dog" Haryana Vet. 60 (01):146-148.
74. Gupta, P., Bhardwaj, H R., Gupta, A. K., Kushwaha, R. B., Sharma, A., Dwivedi, D. K. and Kumar, A. (2021). Haemato- biochemical alterations in obstructive and non-obstructive renal diseases. Indian Journal of Animal Research.
75. Gupta, P., H. R. Bhardwaj, A. K. Gupta, R. B. Kushwaha, A. Sharma, D. K. Dwivedi, A. Kumar, 2021 "Haemato- biochemical alterations in Obstructive and Non obstructive Renal Diseases" Indian Journal of Animal Research. DOI: 10.18805/IJAR.B-4729.
76. Gupta, R. K., Kour, R., Gani, M., Guroo, M. A. and Bali, K. 2021. Potential of wax degrading bacteria for management of the citrus mealybug, *Planococcus citri*. Biocontrol, 67(1):49-61 <https://doi.org/10.1007/s10526-021-10120-8>.
77. Gupta, S. K., Khare, P. V., Sehgal, S. and P. S. Slathia. 2021, Evaluation of agroforestry systems viz-a-viz livelihood of farmers of Jammu. Indian Journal of Agricultural Sciences. 91 (12): 1821-22.
78. Gupta, S., Gupta, V., Sinha, A.K., and Neerja, Sharma. 2021. Eco-Friendly pest management practices for the management of fruit fly in Cucumber. International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706(11): 3808-3812.
79. Gupta, S., Vaid, A., Gupta, V., Sinha, A.K. and Sinha, A.K. 2021. New insecticide proved very effective for management of leaf folder in Paddy. Journal of Krishi Vigyan. 9(2): 151-153. Gupta, V, Gupta, M, Bharat, R., Singh, M., Kour, S. and Sharma B.C. 2021. Effect of sowing environments

- and N- Levels on wheat varieties under irrigated region of Jammu, Indian Journal of Agricultural Sciences, 91 (4): 515-20
80. Gupta, V., Kaur, K., Mahajan, V. Razdan, V.K. and John, D. 2021. Genetic diversity of *Pseudomonas fluorescens* isolates collected from basmati rice and saffron crops of north- western Himalayan region. Archives of Phytopathology and Plant Protection, 54:19-20,1896-1913.
81. Gupta, V.; Sharma, A.; Rai, P.K.; Gupta, S.K.; Singh, B.; Sharma, S.K.; Singh, S.K.; Hussain, R.; Razdan, V.K.; Kumar, D.; Paswal, S.; Pandit, V. and Rohit Sharma. 2021. Corm Rot of Saffron: Epidemiology and Management. Agronomy 11:339
82. Gupta, Vikas, Gupta, Meenakshi, Bharat, Rajeev, Singh Mahender, Kour Sarabdeep, and Sharma, B.C. 2021. Effect of sowing environments and N-levels on wheat varieties under irrigated region of Jammu. Indian Journal of Agricultural Sciences. 91(4): 515-20.
83. Gupta, Vikas, Gupta, Meenakshi, Kour Sarabdeep, and Sandhu, S.S. 2021. Agromet indices and response of varieties of wheat (*Triticum aestivum*) to sowing environments and nitrogen levels under irrigated lower hills of North-West plains of Shiwaliks. Indian Journal of Agronomy. 66(1):25-32.
84. Gupta, Vikas., Gupta, Meenakshi.. Sandhu, S.S., Singh, Mahender, Kour, Sarabdeep., Bharat, Rajeev., Singh. A.P., Singh, Permendra and Singh, Brinder. 2022. Evaluation of Wheat varieties and their validation through CERES-Wheat model under lower foothills of Shivalik range of N-W Himalayas. Agricultural Mechanization in Asia 53 (02): 6051-6065
85. Guroo, M. A., Gupta, R. K., Ahmad, H., Gani, M., Bali, K., Mantoo, M. A., Singh A. K., Gupta, A. and Sharma, M. 2021. Substrate Evaluation for Mass Multiplication of Entomopathogenic Fungal Isolates for Management of Walnut Weevil. Biological Forum International Journal 13(2): 358-361 An
86. Gyanendra K. Rai, Basharat A. Bhat, Muntazir Mushtaq, Lubna Tariq, Pradeep K. Rai, Umer Basu, Aejaaz A. Dar, Sheikh T. Islam, Tanvir U. H. Dar, Javaid A. Bhat (2021) Insights into decontamination of soils by phytoremediation: A detailed account on heavy metal toxicity and mitigation strategies. Physiologia Plantarum. 1-18.
87. Gyanendra Kumar Rai, Monika Singh, Pradeep K. Rai, Sunil Kumar Rai (2020) Physiochemical Mechanism Associated with Drought Tolerance in Tomato. International Journal of Plant Biotechnology, 6(2):24-36.
88. Hameed Fozia, Gupta Neeraj, Rahman Rukhsana and Rai Gyanendra Kumar (2021) Bioactive Potential of Karonda (*Carissa carandas L.*). Indian J Agric Biochem. 34 (1): 24-32.

89. Hussain, K., Sudan, R.S., Singh, P., Sharma, M., and Mahruk. 2021. Genetic Divergence Study in Maize (*Zea mays*) Inbred Lines. Indian Journal of Plant Genetic Resources, 34(2):274-278.
90. Hussain, R., Gupta, V., Aarti, Arora, J. K., Sharma, S.K., Kumar, D., Amin, T. and Khushboo, S.S. 2022. Weather based prediction of early blight of potato caused by *Alternaria solani*. Agricultural Mechanization in Asia, 53:2,6351-6360
91. Hussain, R., Gupta, V., Aarti, Khushboo, S.S., Sharma, S.K., Arora, J. K. and Hussain, T. 2022. Predicting late blight severity of potato based on weather parameters in the Jammu province. Agricultural Mechanization in Asia, 53:2,6339-6350
92. Ibrahim, S., Gupta, R. K., War, A. R., Hussain, B., Kumar, A., Sofi, T., Noueldeen, A. and Darwish, H. 2021. Degradation of chlorpyrifos and polyethylene by endosymbiotic bacteria from citrus mealybug. Saudi Journal of Biological Sciences, 28(6)
93. Iqbal, T., Slathia, P. S., Peshin, R., Sehgal, S., Sharma, M. K., Kour, K. and Kumar, R. 2021 Factors Affecting Farmers Decision to Join Joint Forest Management Programme in Jammu Division of Jammu and Kashmir AJAEES.6774539(10): 161-166.
94. Iqbal, T., Slathia, P.S., Peshin, R, Sehgal, S, Sharma, M. K, Kour, K, and Kumar, R, 2021. Perception towards Joint Forest Management Programme in Conservation of Forest Resources in Jammu Division. Indian Journal of Extension Education. Vol. 57 (1): 67-72
95. Iqbal, T, Slathia, P.S., Peshin, R, Sehgal, S, Sharma, M. K, Kour, K, and Kumar, R. 2021. Constraints Analysis of Joint Forest Management Programme in Jammu Division of Jammu and Kashmir. Indian Journal of Extension Education. Vol. 57 (3): 102- 105
96. Jaan, R and Sood, K.K. 2022. Effect of pre-sowing treatment and sowing time on germination and early performance of *Melia composita*. Indian Journal of Ecology, 49 (1):87-94.
97. Jeelani, R., Nanda, R., Kumar, P., Khandi, S. A., Jeelani, R. and Bano, F. 2021 Socio-personal Profile of the Small Ruminant Farmers of Jammu and Kashmir Indian Journal of Extension Education Vol. 56. No. 4, 2020:30-42.
98. Jeelani.M.I. and Khan., S. (2022). Predictive Modeiling: An Assessment through Validation Techniques. Journal of Reliability and Statistical Studies, 15 (1): 37-60.

99. Johar P, Salgotra R.K., Sharma M.K., Sharma S., Dey T., Gupta, M. and Raina T. K. 2021. Characterization of Advanced Breeding (PC,F) Lines of Basmati Rice (*Oryza sativa* L.) under North-Western Himalayan conditions International Journal of Biological Forum. 13(4):1033- 1040.
100. Kapoor, B. and Shankar, U. 2021. IPM modules for pod borer complex on black gram. Indian Journal of Entomology, 83(2): 242-245.
101. Kaur, M., Bhat, A., Sadik-Zada, E. R. and Sharma R. 2022. Productivity Analysis and Employment Effects of Marigold Cultivation in Jammu, India. Horticulture 2022, 8, 263.
102. Kaur, R., Yadav, A., Rafiqi, S.I., Godara, R., Sudan, V., Chakraborty, D. and Katoch, R. 2021. Epidemiology, haematology and molecular characterization of haemoprotzoan and rickettsial organisms causing infections in cattle of Jammu region, north India. BMC Vet. Res., 17: 219-230
103. Khajuria, S., Mondal, A.K., Samanta, A., Sharma, V., Arya, V.M. and Raina, V. 2021. Effect of boron levels, mulching and moisture regimes on uptake of boron on cauliflower. The Pharma Innovation Journal. 10(3): 772-776.
104. Khan, N. N., Rather, M. A., Hamadani, A. and Chakraborty, D. 2022. Genetic evaluation of growth performance of Rambouillet sheep in Jammu and Kashmir, India. Indian Journal of Animal Sciences, 92 (3): 327-335.
105. Khandi, S.A., Bhushan, B., Bafanada, R, Rafiquee, R.A., Jeelani, R. and Azad, M. S. 2022. Knowledge level of small ruminant practices by pastoralists in Jammu & Kashmir. The Pharma Innovation, 11(4): 782-786.
106. Khazin, H., Sudan, R.S., Singh P., Sharma, M. and Marukh. 2021. Genetic divergence study in maize (*Zea mays* L.) inbred lines under North Western Himalayan conditions. Indian J. Plant Genet. Resour. 34(2):274-278.
107. Kour, G., Sharma, R.K., Khan, N., Pathak, A.K., Rastogi, A., Sharma, V.K. 2021. Spent marigold flower meal as an alternate feed for goats. Tropical Animal Health and Production, 53: 430
108. Kour, H., Raina, R., Verma, P.K., Khan, A.M., Bhat, A.M, and Nashiruddullah N. 2021. Evaluation of the wound healing activity of ethanolic extract of *Bergenia ciliata* (Haw.) Sternb. rhizome with excision wound model in Wistar rats. Journal of Ethnopharmacology. 281(5):114527.

109. Kour, J., Devi, J. and Sarma, K. 2021. Effect of Zinc Supplementation on Biometry of Testis in Wistar Rats. International Journal of Livestock Research, 11(12):44-49.
110. Kour, M., Khan, N., Singh, R., Amrutkar, S. A. and Mahajan, V. 2022. Effect of feeding maize (*Zea mays*) silage on milk yield and composition of lactating crossbred cows during lean period. Indian Journal of Animal Sciences 92 (3): 336-340.
111. Kour, M., Sharma, B.C., Thakur, N.P., Sharma, R., Charak, A.S., Kumar, P., and Archna. 2022. On farm validation of technology for enhancing the productivity and profitability of maize intercropped with rajmash under high hills of NW-Himalayas. Agricultural Mechanization in Asia, Africa and Latin America, 53 (3): 6559-6569.
112. Kour, Manpreet, Sharma, B.C. and Kumar, D. 2021. Role of crop models for food security under climate change scenario- A Review. International Journal of Life Sciences and Applied Sciences. 3(1):22-28.
113. Kour, Manpreet, Sharma, B.C., Shanti, V.R. and Singh, L. 2021. Recommended field crop varieties/hybrids released for North- west plain zone/mid and high hills of India to mitigate food insecurity. International Journal of Life Sciences and Applied Sciences, 3(2):37-53.
114. Kour, S., Agrawal, R., Sharma, N., Tikoo, A., Pande, N. and Sawhney, A. (2022). Artificial Intelligence and its Application in Animal Disease Diagnosis. Journal of Animal Research, 12(01): 01-10.
115. Kour, S., Devi, J., Sarma, K. and Chakraborty, D. 2021. Effect of vitamin C supplementation on behavioral parameters in water deprived goats. Ruminant Research, 10(1): 191-196.
116. Kour, S., Khan, A, Pathak, A.K., Pande, N., Chakraborty, D., and Kour, S. (2022). Study on the effect of supplementation on performance of Buffaloes of gujjars tribe of Jammu. Journal of Animal Research. 12(1): 135-146.
117. Kour, S., Khan, A., Brahma, B. and Konwar, D. (2021). Zebu cattle: Its less explored qualities. International journal of life science and applied science, 3(1): 16-21.
118. Koushalya, D., Kour, K., Bakshi, P., Sharma, B.C., Sharma, M and Sinha, B.K. 2021. Assessment of morphological diversity in indigenous Ambri apple (*Malus x domestica* Borkh.) Biological Forum-An international Journal, 13 (2): 325-331.

119. Koushalya, D., Kour, K., Bakshi, P., Sharma, B.C., Sharma, M and Sinha, B.K. 2021. Evaluation of diversity among tree and leaf characteristic of Ambri apple (*Malus x domestica* Borkh.) in Jammu region. Biological Forum-An international Journal, 13 (2): 666-669.
120. Kumar Ajay, Bhagat Madhulika, Rai Gyanendra Kumar, Mahajan Bella and Bhagat Ankita (2021) Chemical Characterization of Clove (*Syzygium aromaticum*) Bud Essential Oil and Microbicidal Activity against Isolated Clinical Strains, Indian Journal of Agricultural Biochemistry, 34 (2): 138- 143.
121. Kumar P., Sharma, N., Sharma S., Mehta N., Verma A.K., Chemmalar S. and Sazili A.Q. (2021). In-vitro meat: A promising solution for sustainability of meat sector. Journal of Animal Science and Technology, 63(4): 693-724.
122. Kumar V., Kumar R., Singh V.B., Chand G, Kumar J., Singh, B., KimarM. and DotraB. (2021). Productivity and water use efficiency of kinnow mandrine (*Citrus reticulate Blanco*) as influenced by drip trickle irrigation and hydrogel. Annals of Plant and Soil Research:23 (3): 363-367.
123. Kumar, A., Shankar, U. and Kaul, V. 2022. Seasonal incidence of brinjal shoot and fruit borer and red spider mite with their natural enemies' fauna in brinjal crop ecosystem. International Journal of Tropical Insect Science, 42(1):133-141.
124. Kumar, Dinesh., Peshin, Rajinder.. Kumar, Pranav., Lal, Shamim., and Jeelani, Rizwan. 2021. Farmers Perceptions of Dairy Cooperatives: Evidence from Subtropics of Jammu Journal of Community Mobilization and Sustainable Development, 16(3), 872- 876.
125. Kumar, K., Agrawal, R., Pande, N., Tikoo, A. and Singh, R. 2021. Behavioral changes associated with age-related cognitive impairment in geriatric dogs. The Pharma Innovation Journal, SP-10(11): 2002-2004.
126. Kumar, M., Abrol, D. P., Shankar, U., Sharma, D., Vikram and Singh, A.K. 2021. Impact of artificial diets on resistance of *Apis mellifera* colonies to diseases and enemies during dearth periods. Journal of Entomology and Zoology Studies, 9(3): 284-287.
127. Kumar, M., Abrol, D.P., Sharma, D., Shankar, U., Vikram and Singh, A.K. 2021. Impact of artificial diets on performance of *Apis mellifera* colonies during dearth periods. Journal of Entomology and Zoology Studies, 9(3): 404-409.

128. Kumar, M., Samnotra, R.K., and Kumar, S. 2021. Hetrosis Studies for Yield and Quality Traits in Garden Pea (*Pisum sativum L.*). Biological Forum- An International Journal, 13(3a): 830- 838.
129. Kumar, P., Thakur, N.P., Gupta, A.K., Archna, Kour, M., Sharma, R., Khajuria, V., Kumar, D. and Bochalya, R.S..2022. Energetic of different cropping system as affected by resource conservation practices under sub-tropical conditions of Jammu region. AMA 53(3).
130. Kumar, P., Thakur, N.P., Gupta, A.K., Sharma, R., Kour, M., Archana, Bochalya, R.S. and Kumar, D. 2021. Conservation agriculture practices in intensive cropping systems and its effect on crop productivity and soil health under North Western Himalaya. The Pharma Innovation Journal. 10 (8): 875- 883.
131. Kumar, Pranav., Slathia,. P.S, Peshin, R., Sharma, R.K, Malik, M.A, Soodan, J.S, Singh, Amandeep and Kumar, Rakesh. 2021. A Scale to Measure the Attitude of Organic Basmati Growers cum Dairy Farmers towards Organic Dairy Farming in Subtropics of Jammu Region of India. Ruminant Science, 10(1):117-122.
132. Kumar, Pranav., Slathia, P.S, Peshin, R., Sharma, R.K, Malik, M.A, Soodan, J.S, Singh, Amandeep and Kumar, Rakesh, 2021. Development and Standardization of Knowledge Test on Organic Dairy Farming (ODF) Practices in Sub Tropics of Jammu Region of Union Territory of Jammu and Kashmir (India) Journal of Community Mobilization and Sustainable Development, 16(2): 633-642.
133. Kumar, R., Bhushan, A., Samnotra, R.K., Dey, T., Sharma, M and Sharma, Manish. 2021. Genetic Divergence studies in tomato genotypes grown under low cost polyhouse conditions. International Journal of Plant and Soil Sciences, 33(22):309-313.
134. Kumar, R., Sharma, B.C., Sharma, N., Nanadan, B., Verma, A., Banotral, M. and Mahajan, A. 2021. Effect of different pulse and oilseed based cropping systems on yield and nutrient budgeting under rainfed. conditions of Jammu. Legume Research, 4603:1-7.
135. Kumar, S., Kumar, S., Sharma, U., Pandey, A.K., and Bhardwaj, R.K. 2021. Therapeutic management of postpartum cervico vaginal prolapse in a murrah buffalo, Applied Biological Research, 23(4):396-397
136. Kumar, S., Pandey, A.K., and Sharma, U. 2021. Clinical management of dystocia due to fetal arthrogryposis in a crossbred cow, Haryana Vet (Apr. 2021) Vol. 60 SI: 141-142

137. Kumar, S., Saha, A. J., Jambhulkar, S., J.P.S., Gupta, R., and Singh M. (2021). Induced mutants of local landraces of Rajmash (*Phaseolus vulgaris* L.) and their mutagenic sensitivity and mutability. *Acta Scientific Agriculture*, 5.12: 10-16.
138. Kumar, S., Sharma, U., Kumar, S., and Dwivedi, D.K. 2021. Successful management of dystocia due to relative oversized fetus in a murrah buffalo, *Buffalo Bulletin* (Jan.-Mar. 2021) Vol. 40 No. 1: 195-198
139. Kumar, S., Sharma, U., Kumar, S., Pandey, A.K. and Bhardwaj. R.K (2022). Studies on the effect of vitrification techniques and ethylene glycol-dimethyl sulphoxide-sucrose vitrification solution on recovery, morphology and viability of oocytes in sheep. *Haryana Vet.* (2022), 61(SI), 64- 67.
140. Kumar, V., Kumar, R., Chand, G., Kuamr, J., Singh, B., Khajuria, S., Dhotra, B., Reena, Sharma, A. and Kumar, M. 2022. Dynamics of soil properties and fruit productivity of kinnow mandarin as affected by drip irrigation and hydrogel. *Agricultural mechanization in Asia*, 53: 6439-6446.
141. Kumar, V., Kumar, R., Singh, V. B., Chand, G., Kumar, J., Singh, B., Kumar, M., Dhotra B. 2021. Economic Appraisal of Kinnow Mandarin (*Citrus reticulate Blanco*) using Drip Trickle Irrigation and Hydrogel with Mulch in Rainfed Condition. *Environment and Ecology*, 39 (4): 751-756.
142. Kumar, V., Kumar, R., Singh, V.B., Chand, G., Kumar, J., Singh, B., and
143. Dhotra, B. 2021. Productivity and water use efficiency of kinnow mandarin (*Citrus reticulate Blanco*) as influenced by drip trickle irrigation and hydrogel. *Annals of Plant and Soil Research*, 23(3): 363-367.
144. Kumar, Y., Raghuvanshi, M. S., Fatima, K., Nain, M. S., Manhas, J. S., Namgyal, D., Kanwar, M. S., Sofi, M., Singh, M. and Angchuk, S. 2021. Impact assessment of weather based agro- advisory services of Indus Plain Farming Community under cold arid Ladakh MAUSM 72.4.897-904.
145. Kumari Shilpy, Sharma Akash, Bakshi Parshant, Salgotra Romesh, Sharma Manish, Gupta Vishal and Rai Gyanendra Kumar (2021) Assessment of morphological diversity in acid lime (*Citrus aurantifolia*) genotypes based on floral traits in Jammu region. *Current Horticulture*, 9(2): 31-35.
146. Kushwaha, R. B., Gupta, A. K. and Dwivedi, D. K. (2021). Surgical management of congenital malformed rostral lower jaw in a adult bull. *Intas Polivet*, 21 (I): 102-103.

147. Kushwaha, R.B., Ajay Kumar Gupta, Dinesh Kumar Dwivedi, Pankaj Gupta and Ankur Sharma, 2021 "Surgical management of traumatic penile necrosis and urethral rupture by penile amputation and post-scrotal urethrostomy in bovines" *Haryana Vet.* (April, 2021) 60(SI), 145-148.
148. Kushwaha, R.B., Gupta, A. K., Dwivedi, D. K., Gupta, P. and Sharma, A. (2021). Management of an infected compound metatarsal fracture in a heifer. *The Haryana Veterinarian*, (June, 2021) 60(1): 149-151.
149. **KVVS, K. K.**, Supriya, P., Salalia, R., Sehgal, M., Malik, M., Keshari, N., & Gunda, N. K. 2021. Good Agricultural Practices for Nematode Management in Horticultural Crops. *International Journal of Agriculture, Environment and Sustainability*, 3(1), 17-25.
150. Lahmo, J., Manhas, J. S., Slahia, P. S., Bharat, R. and Khajuria, S. 2021 Impact of National Food Security Mission (NFSM) Interventions in Wheat Crop of Jammu Region. *Indian Journal of Extension Education* Vol. 57. No. 1, 2021 (7-11).
151. Lal, B. 2021. Study to develop an appropriate model for improving the communication behaviour of farmers. *International Journal of Agriculture Sciences*, 9490-9492.
152. Lal, B. and Tandon, V. 2021. A study on media preferences of organic farmers of hilly areas of J & K. *International Journal of Chemical Studies*, 898-900.
153. Lal, B. and Tandon, V. 2021. Communication Behaviour of Maize Growers in Hilly District Reasi of J&K. *Journal of Community Mobilization and Sustainable Development* 15(2), 436- 440.
154. Lal, B., Tandon, V., Prashar, M. and Charak, A. 2021. Impact of cluster front line demonstrations (CFLDs) on the production and productivity of black gram (*Vignamungo L*) and chickpea (*Cicereritimum L*) in hilly districts Reasi and Udhampur of J&K, India in *Indian Journal of Agriculture and Allied Sciences*, 7:21-24.
155. Lal, M., Jamwal, M., Bakshi, P., Jasrotia, A., Sharma, N., Sharma, M., Singh, P., Sharma, S., and Kumar, S. 2021. Influence of Antioxidants on in vitro culture establishment of clonal apple rootstocks. *Biological Forum - An International Journal*, 13(2): 381-385.
156. Lal, M., Jamwal, M., Sharma, M., Bakshi, P., Jasrotia, A., Kumar, A. and Deep, A. 2021. Economics of in vitro grown plantlets of clonal apple MM-106 rootstock. *Biological Forum-An International Journal*. 13(2): 332-335.

157. Lal, M., Jamwal, M., Singh, H., Bakshi, P., Sharma, M., Sinha, B.K. and Kumar, S. 2022. Comparative economics of in vitro grown plantlets of clonal apple MM 106 and MM 111 rootstocks. *AMA: Agricultural Mechanization in Asia*. 53(2): 6161-6171.
158. Lahmo, J., Manhas, J.S., Salathia, P.S., Bharat, R. and Khajuria, S. 2021. Impact of National Food Security Mission (NFSM) Interventions in Wheat Crop of Jammu Region, *Indian Journal of Extension Education*, 57 (1): 7-11.
159. M. Banotra, B.C. Sharma, B. Nandan, A. Verma and R. Kumar. 2021. Performance of Knolkhol (*Brassica oleracea* L. Var Gongylodes) under Differential Substitution of Nutrients through Organics in Irrigated Plains of Shiwalik Foothills. *Indian Journal of Ecology*. (2021) 48(2): 418-423.
160. Mahajan, A., Kumar, A., Puniya, R., Singh, A. P., Sharma, A., Stanzen, L., Kumar, R., Khajuria, S. 2021. Bioefficacy and phytotoxicity of herbicides in urdbean and their residual effect on succeeding transplanted basmati rice. *Agricultural Mechanization in Asia, Africa and Latin America* 52 (2): 3393-3399.
161. Mahajan, L., Verma, P.K., Sharma, P., Raina, R., Sood, S., and Agarwal, S. 2020. Antioxidant biomarkers and oxidative damage in lipids and proteins of blood following exposure of Arsenic and Imidacloprid in Wistar Rats, *Journal of Veterinary Pharmacology and Toxicology*, Vol. 19: 32-40.
162. Mahajan, V., Choudhary, P., Raina, N.S. and Sharma, P.K. 2021. Carbon Sequestration potential trees in aerable land-use and allometric modeling for dominant tree species in sub-tropics of jammu and Kashmir. *Journal of Environmental Biology*. 42, 414-419.
163. Mahruk, Singh, P, Dey, T, Sharma, M. Kumar, B, Singh, A.K and Khazim. 2021. Phenotypic and molecular divergence analysis of oat germplasm (*Avena sativa*) under Northern Conditions. *Indian Journal of Agricultural Sciences*. 91(4):651-54.
164. Majeed, A., Roy, PSD. Sharma, N., Chalotra, R., Salaria, K.H., Padekar, S.K., Guleria, S. 2021. Nanoemulsions: Applications, Challenges and Future Perspectives. *Indian journal of agricultural biochemistry*. 34: 107-115.
165. Mandeep Kour, Neeraj Gupta and Monika Sood 2021. Effect of Osmotic Agents on the Quality Characteristics of Osmo-dried Plum. *Indian Journal of Ecology*. 48(2): 408-410.

166. Mandeep Kour, Neeraj Gupta, Fozia Hameed and Monika Sood 2021. Quality and sensorial characteristics of osmotically dehydrated plum (cv. Santa rosa) with syrups of sugar and honey. Plant Archives. 21(1): 804-808.
167. Mandeep Kour, Neeraj Gupta, Monika Sood and Anju Bhat 2021. Effect of osmotic agents on quality and storability of osmo-dried plum. Indian Journal of Horticulture. 78(3): 348-353.
168. Manoj, B.S., Gupta, M. and Gupta, S. 2021. Enhanced lignin and quinone accumulation under varying degree of drought stress influenced by chitosan under varying degree of drought stress influenced by chitosan. The Pharma Innovation. 10: 1030-1033.
169. Manpreet Kaur, Anil Bhat, Elkhan Richard Sadik-Zada and Rakesh Sharma. 2022. Productivity Analysis and Employment Effects of Marigold Cultivation in Jammu, India. Horticulturae. 8(263).
170. Marukh, Singh, P., Dey, T., Sharma, M., Kumar, B., Singh, A.K. and Khazim. 2021. Phenotypic and molecular divergence analysis of oat germplasm (*Avena sativa*) under North Indian conditions. Indian Journal of Agricultural Sciences 91(4):651-54.
171. Mehmood, S.; Nashiruddullah, N. and Ahmed, J.A. (2021). Mortality in some domesticated pigeons (*Columba livia*) from Jammu, India. Turkish Journal of Veterinary and Animal Science, 45(1): 158-167.
172. Mehta, A., Singh, S. K., Singh, R., Vaid, A., Basandrai, A. K., Gupta, S., Singh, V. B., Singh, A. K. and Abrol, S. 2022. Effect of metrological factors on the sheath rot development in rice. The Pharma Innovation Journal, 11: 1587- 1591.
173. Mehta, A., Singh, S. K., Vaid, A., Singh, R., Gupta, S., Basandrai, A. K., Singh, V. B., Singh, A. K., Sharma, J. and Bhagat, S. 2022. Prevalence and distribution of rice sheath rot (*Sarocladiumoryzae*) in Jammu division. The Pharma Innovation Journal, 11:31-35.
174. Mir, M., Jamwal, S., Gupta, A., Hassan, G.I., Sharma, R. Guroo, M and Slathia, \$2021, Evaluation of strawberry cultivars in agro-climate condition of PirPanjal region of Jammu region. Journal of Community Mobilization and Sustainable Development Vol. 16(2). 463-466.
175. Mir, M., Jamwal, S., Gupta, A., Sharma, M., Guroo, M. and Qureshi, S. N. 2021. Integrated Nutrient Management for higher Productivity in Apple (*Malusdomestica*) under Rainfed Agro climatic Conditions of District Poonch, J&K. Journal of Community Mobilization and sustainable development 16(2) 524- 528 (2021).

176. Monika Banotra, B.C Sharma and Rakesh Kumar. 2021. Micronutrient fortification in cereals for mitigating malnutrition in India by Agronomic practices. *The Pharma innovation Journal* 10(10): 2020-2022.
177. Monika Banotra, B.C Sharma, Abhijit Samanta, L.M Gupta, and Rakesh Kumar 2021. Production and economics of irrigated transplanted basmati rice as influenced by substitution of nutrients through organics in Jammu region of India. *Indian Journal of Agronomy*. 66(3):295-299.
178. Monika Banotra, B.C Sharma, Brij Nandan, Jyoti Sharma, Akhil Verma and Rakesh Kumar. 2021. Review: Impact of Inorganic and Organic nutrients effects on Rice (*Oryza Sativa*). *International Journal of Agricultural Sciences*. **18(1):0973-130X**
179. Mushtaq D., Kumar B., Singh, P., Sharma, M. and Sheera, A. 2021. *International J. Env. and Climate Change* 11(12):350-358.
180. Mushtaq M., Dar A. A., Skalicky M., Tyagi A., Bhagat N., Basu U., Bhat B. A., Zaid A., Ali S., Dar Tanvir-Ul-Hassan, Rai Gyanendra K., Wani S.H., Rahman M. Habib-Ur-, Hejnák V., Vachova P., Breštic M., Čig A., Čig F., Erman M., Sabagh Ayman EL (2021) CRISPR-Based Genome Editing Tools: Insights into Technological Breakthroughs and Future Challenges. *Genes*, 12, 797.
181. Nazim, K., Godara, R., Katoch, R., Yadav, Anish, Sofi, O.M.D., Kumar, A., Katoch, M., Verma, P.K. and Singh, N.K. 2021. In vitro assessment of turmeric (*Curcuma longa*; Family: Zingiberaceae) against *Rhipicephalus microplus* (Acari: Ixodidae) ticks. *Int. J. Acarol.*, 47: 456- 460.
182. Ola, S., Sharma, N., Sharma, B.C., Sharma, V. and Kumar, R. 2021. Optimum dose of phosphorus and potassium fertilization for enhancing productivity and profitability of rice in irrigated Sub-tropics of Jammu. *Indian Journal of Ecology* 48(5): 1393-1396.
183. Pal, M., Gutama, K.P. and Sharma, H.K. 2021. Marburg Haemorrhagic Fever: A Highly Fatal Emerging Viral Zoonosis. *Madridge J Mol Biol*. 2(1): 26-29.
184. Pal, M., Lema A. G. and Sharma, H.K. 2021. Leptospirosis: A Neglected Zoonosis of Public Health Concern". *Acta Scientific Microbiology* 4.10: 75-79.
185. Palak Singh, Neeraj Gupta, Anju Bhat, Monika Sood, Julie D Bandral, Sushil Sharma, Upma Dutta and Rukhsana Rahman. 2022. Studies on mineral and microbial composition of blended pearl millet cake during

- storage. Agricultural Mechanization in Asia, Africa and Latin America. 53(2): 5893-5900.
186. Pande, N., Agrawal, R., Shrivastava O.P., and Agrawal R.G. 2022. Uterine lavage for endometrial cytological evaluation in postpartum buffaloes, The Pharma Innovation Journal, 11(3): 601- 602.
187. Pandit, D., Singh, A. K., Singh, Khushboo, S. S. and Kakraliya, S.S. 2021. Effect of different nutrient media on mycelial growth of isolates of *Pyriculariaoryzae* causing rice blast disease, The Pharma Innovation Journal, 10(10):1797-1799.
188. Pandit, D., Singh, A. K., Singh, S. K., Singh, V.B., Khushboo, S. S., Choskit,D., Abrol, S. and Kakraliya, S.S. 2021. Occurrence of rice blast disease caused by *Pyriculariaoryzae* under mid-hills and sub-tropics conditions of Jammu, Journal of Pharmacognosy and Phytochemistry, 10(2): 211-213.
189. Panotra, N., Sharma, R. and Bhat, A. 2022. Evaluation of wheat (*Triticum aestivum*l.) genotypes under irrigated and rainfed conditions in intermediate zone of Jammu and Kashmir. Annals of Plant and Soil Research 24(1): 137-140.
190. Panotra, N., Sharma, V., Bhat, A. and Sharma, L.K. 2021. Cost and Return Analysis of Organic Crops for Sustainable Livelihood Security of Small & Marginal Farmers. Biological Forum An International Journal, 13(1): 243- 247.
191. Pusph P., Bhaskar R., Kelkar S. Sharma, N., Pathak D. and Gupta M.K. (2021). Plasticized poly(vinylalcohol) and poly (vinylpyrrolidone) based patches with tunable mechanical properties for cardiac tissue engineering applications. Biotechnology & Bioengineering, 118: 2312-2325.
192. Rafiq, S., Bandral, R.S., Ganai, S.A., Akbar, R., Rashid, S., and Jan, R. 2022. Study on the evaluation of toxicity of *Nerium indicum* (M.) against cabbage butterfly, *Pieris brassicae* (L.) (Lepidoptera: Pieridae). Biological Forum - An International Journal, 14(1): 356- 361.
193. Rahman, S., Sharma, A.K., Singh, N.D. and Prawez, S. 2021. Immunopathological effects of experimental T-2 mycotoxicosis in Wistar rats. Human and Experimental Toxicology, 40(5) 772-790.
194. Rai Gyanendra Kumar, Jamwal Gayatri, Rai Garima and Singh Monika (2021) Understanding Transcription Factors in Plant Response to Drought Stress. Indian Journal of Agricultural Biochemistry, 34 (2): 116-125.

195. Rai Gyanendra Kumar, Parveen Abida, Jamwal Gayatri, Basu U., Kumar, RR., Rai Pradeep K., Sharma Jag Paul, Alalawy Adel I., Al-Duais Mohammed A., Hossain Mohammad Anwar, Rahman Muhammad Habib ur, Raza Ali, Danish Subhan and Sakran Mohamed I. (2021) Leaf Proteome Response to Drought Stress and Antioxidant Potential in Tomato (*Solanum lycopersicum* L.).
196. Raina, K, Razdan, A.K, Kumar, B and Sheera, A. 2022. Genetic analysis of maize inbred lines (*Zea mays* L.)under sub-tropical conditions of Indian Shivalik hills. The Pharma Innovation Journal 2022; 11(1): 992-997
197. Raina, S., Sharma, V. and Singh, S.K. (2021). Apricot kernel possesses in vitro cytotoxic effect against breast cancer cellines. International Journal of Agriculture Sciences, 17:252-256.
198. Raina, V., Kotwal, N., Panotra, N., Sharma, R., Jamwal, M. and Wali, P. 2021. Evaluation of Rajmash (*Phaseolus vulgaris*) Germplasm for increasing Productivity to Improve the Economic condition of Hill Farmers of Jammu and Kashmir. Biological Forum - An International Journal, 13(4): 892- 895.
199. Raina, V., Sharma, M., Vaid, A., Wali, P., Singh, A., Panotra, N. and Sharma, J.P. 2020. Capacity building and technology dissemination to enhance quality seed production through mega seed project SKUAST-Jammu (J&K). International Journal of Chemical Studies Volume 8, Issue 3 5.31:1494-1496.