

Research Publication

1. Abu, N., Ansari, A.P., Goswami, P. and Wadud, A. 2022. Anti diabetic potential of Safui-i-Dhayabitus as standalone and as an adjuvant with Gibenclamide in streptozotocin induced diabetic rat. *Phytomedicine Plus*, 2:100218.
2. Afshan, T. Bhat, MIJ, Sharma, M., Khalid, R., Imran, R. and Gul, M. 2022. Predictive Modelling of Height and Diameter relationship of Himalyan Chir pine. *Agriculture Science Digest- A Research Journal* DOI: [10.18805/ag.D-5555](https://doi.org/10.18805/ag.D-5555).
3. Agrawal, R., Shukla, P.C., Pande, N. and Shreen 2023. Dairy Farm Management Practices as Risk Factors Linked to Cryptosporidium spp. Infection in Dairy Calves. *Asian Journal of Dairy and Food Research*, 42(2): 144
4. Agrawal, R., Shukla, P.C., Pande, N. and Shreen 2023. Dairy Farm Management Practices as Risk Factors Linked to Cryptosporidium spp. Infection in Dairy Calves. *Asian Journal of Dairy and Food Research*, 42(2): 144-149. DOI: 10.18805/ajdfr.DR-1874.
5. Ahmed, J.A., Nashiruddullah, N. and Upadhyay, S.R. 2023. The Electrocardiogram of the Varanid Bengal Monitor Lizard (*Varanus bengalensis*). *Scientist*, 2(1):1-7
6. Ahmed, T., Sharma, N., Huma, Z.I., Kour, S., Kour, S. and Anand, A. 2022. Economic analysis of dairy farming among the rural weaker section of society in Jammu region. *Journal of Community Mobilization & Sustainable Development*, 3(Spl): 894-900
7. Akbar, R., sharma, M., Sharma, D., Tunisa, R. and Akhter, A. 2022. Assessment of quantitative losses in different wheat varieties due to rice weevil (*Sitophilus oryzae* L.). *Pollination Research* .42(1): 33-37
8. Akbar, R., sharma, M., Sharma, D., Tunisa, R.D.N., Akhter, A. 2022. Assessment of quantitative losses in different wheat varieties due to rice weevil (*Sitophilus oryzae* L.). *Pollination Research* .42(1): 33-37
9. Aman and Singh, A.K. 2022. Study of genetic variability, character association and pathanalysis in Urdbean (*Vigna mungo* L.) under irrigated conditions of Jammu region . *Ann. Agric. Res. New Series* Vol. 43 (3): 272-280.
10. Aman and Singh, A.K. 2022. Study of genetic variability, character association and pathanalysis in Urdbean (*Vigna mungo* L.) under irrigated conditions of Jammu region. *Ann. Agric. Res. New Series*. 43(3):272-280.
11. Aman, Singh, A.K., Kumar, S., Sharma, M. and Gupta, N. 2022. Genetic variability and character association in Urdbean (*Vignamungo* L.) under irrigated and rainfed conditions of Jammu Region. *Annals of Agricultural Research*, 43: 179-188
12. Aman, Singh, A.K., Kumar, S., Sharma, M. and Gupta, N. 2022. Genotype x environment interaction analysis for yield and yield attributes in Urdbean (*Vignamungo* L.) under irrigated and rainfed conditions of Jammu Region. *Journal of Community Mobilization and Sustainable Development*. 2(Seminar Special Issue): 474-484 .
13. Aman, Singh, Singh, A.K., Kumar, S., Sharma, M. and Gupta, N. 2022. Genetic variability and character association studies in Urdbean (*Vigna mungo* L.) under irrigated and rainfed conditions of Jammu region. *Ann. Agric. Res New Series*.. 43(2): 179-188.

14. Aman, Singh,A.K., Kumar,S., Sharma,M. and Gupta,N. 2022. Genotype x Environment interaction analysis for yield and yield attributes in urdbean (*Vigna mungo* L.) under irrigated and rainfed conditions of Jammu region. *Journal of Community Mobilization and Sustainable Development*, Vol. 18(2), page no. 474-484.
15. Amin, T., Gupta, V., Sharma, A., Rai, P. K., Razdan, V. K., Sharma, S. K., Singh, S. K., Lone, J. A., Yaqoob, M., Singh, B. and Gupta, S. K. 2023. Distribution of *Xanthomonas oryzae* pv. *oryzae* pathotypes in Basmati growing areas of Jammu and Kashmir, India. *Agronomy*. 7(13):1-22.
16. Amin, T.; Gupta, V.; Sharma, A.; Rai, P.K.; Razdan, V.K.; Sharma, S.K.; Singh, S.K.; Lone, J.A.; Yaqoob, M.; Singh, B.; Gupta, S.K. 2023. Distribution of *Xanthomonas oryzae* pv. *oryzae* pathotypes in basmati-rice-growing areas of Jammu and Kashmir, India. *Agronomy* 2023, 13, 713.
17. Andrabi, S.A., Nashiruddullah, N., Shikha, D., Gazal, S., Bandi, N., Abrol, R., Brahma, B., Rahman, S., Gowsami, P., Sood, S., Ahmed, J.A. and Nehru, D.A. 2023. Outbreaks of Virulent Newcastle Disease in Pigeons and Backyard Fowls of Jammu Region. *Scientist*, 2(1):123-131.
18. Anjali, L., Bhat,A., Sood,M., and Bandral, J.D., 2022.Evaluation of physicochemical properties of pre-treated raw mango (*Mangifera indica*) powder during storage .*The Pharma Innovation Journal*. 11(10): 1107-1112
19. Annepu, S.K.; Sharma, V.P.; Barh, A.; Kamal, S.; Shirur, M.; Kumar, S.; Bairwa, R.K.; Gupta, S.; Gupta, M.; Dutta, U. 2023. Influence of Heat Treatment and Solid-State Fermentation on the Lignocellulosic Fractions of Substrates Supporting *Lentinula edodes* (Berk.) Pegler Cultivation: Implications for Commercial Production. *Fermentation*. 9: 130. [https://doi.org/ 10.3390/fermentation9020130](https://doi.org/10.3390/fermentation9020130)
20. Archana, A., Rizvi, S.E.H., Baht, J.I., Kumar, P., Kour, M. and Khajuria,V. 2022. Socio economic status and block wise estimation of milk production of Jammu district using small area estimation technique. *The Pharma Innovation Journal* . 11(9): 1731-1736
21. Arjumand, Z., Gupta M., Gupta S., Salgotra, R.K and Khar S. 2023. Comparative analysis of growth phases of lactic acid bacteria grown on different media for fermentation. *The Pharma Innovation*. 11(12): 1465-1468
22. Arjumand,Z., Gupta,M., Gupta,S., Salgotra R K and Khar,S.(2022). Comparative analysis of growth phases of lactic acid bacteria grown on different media for fermentation. *The Pharma Innovation Journal*- 11(12) : pp 1465-1468.
23. Arora, J.K., Gupta, S., Singh, R., Chopra, S. and Choudhary, S. 2022. Fluxapyroxad 333 FS: A novel systemic fungicide for effective management of black scurf of potato. *The Pharma Innovation*. 11(8): 1253-1256.
24. Arora, R.K., Kaur, S., Upadhyay, L. and Sharma, V. 2022b. Study on Soil Phosphatase Activity in Reference to Deforestation in the Shiwalik Hills of Jammu Division of Jammu and Kashmir. *Biological Forum – An International Journal*, 14, 8–11.
25. Arora, S., Bhatt, R., Sharma, V. & Hadda, M.S. 2022a. Indigenous Practices of Soil and Water Conservation for Sustainable Hill Agriculture and Improving Livelihood Security.

Environmental Management. (At: <https://link.springer.com/10.1007/s00267-022-01602-1>. Accessed: 9/2/2022).

26. Aryan,S.,Gupta, R. K., Bandral,R.S., Gupta, S.K., Basu,U., Ahanger,S.A., Singh,S.K., Sharma,S., and Mushtaq,M.,2022. Direct and Indirect Effects of 2, 4-Dichlorophenoxyacetic Acid on Biological Attributes of *Zygothra bicolorata*Pallister. *International Journal of Environment and Change*, 90299.
27. Ashraf,S., Sood, M., Bandral, J. D., Gupta, N., and Rahman, R., 2022. Effect of different stabilization methods on proximate and mineral composition of wheat bran. *Indian Journal of Ecology*, 49 (5): 2033-2041
28. Attri, M., Gupta, M., Kour, S., Thakur, N.P. and Sharma, R. 2023. Effect of Slow Release Coated Urea on Growth, Yield and Economics of Wheat (*Triticum aestivum*) under Subtropical Conditions of Jammu Region of J&K. *Indian Journal of Ecology*. 50(2): 313-318.
29. Attri, M., Gupta, M., Thakur, N.P., Bochalaya, R.S., Mehta, S. and Bansal, K.K. 2022. Response of Wheat to different sources of Coated Urea and N budgeting under assured irrigated conditions of Jammu region of J&K. *Agricultural Mechanization in Asia*. 53(02): 6173-6182.
30. Attri, M., Gupta, R.K. and Bali, K. 2022. Expression of crop yield attributes of promising bivoltine hybrids of silkworm, *Bombyx mori* L. *The Pharma Innovation Journal*. 11(7): 3539-3544.
31. Attri, M., Sharma, N., Kumar, A. and Sharma, B.C. 2022. Effect of foliar application of nano urea on productivity and profitability of fine rice under irrigated subtropics of Jammu region. *Indian Journal of Ecology*. 49(5): 1935-1938.
32. Attri,M.,Gupta,R.K.,and Bali,K., 2022. Expression of crop yield attributes of promising bivoltine hybrids of *silkworm, Bombyx mori* L. *The Pharma Innovation Journal*,11(7): 3539-3544.
33. Ayoub, A., Singh, J., and Sharma, S. 2022. Physico- chemical analysis of fresh persimmon (*Diospyros kaki* L.) fruit pulp from Jammu region. *International Journal of Plant and Soil Science*. 34(22): 1028-1034
34. Ayoub, A., Singh, J., and Sharma, S. 2022. Physico- chemical analysis of fresh persimmon (*Diospyros kaki* L.) fruit pulp from Jammu region. *International Journal of Plant and Soil Science*. 34(22): 1028-1034.
35. Ayub, A., Chopra., S., Bhushan., A, Singh., B.,, and Samnotra., R.K. 2022 Varietal response of bio-inoculants on horticultural traits and microbial population in aubergine (*Solanum melongena* L.) *Indian Journal of Ecology*. 49(5) (SI): 1939-1944
36. Ayub, A., Chopra., S., Bhushan., A., Singh., B., and Samnotra, R.K. 2022 Varietal response of bio-inoculants on horticultural traits and microbial population in aubergine (*Solanum melongena* L.) *Indian Journal of Ecology*. 49(5) (SI): 1939-1944.
37. Ayushi,S., Dwivedi, D.K., Bhardwaj, H.R., Kumar, A. and Singh, M.2023. Qualitative assessment and antibiotic sensitivity test of the bacterial microbes involved in the surgical

- site infections (SSIS) and chronic wounds in animals. *The Pharma Innovation Journal* 12(6):741-745.
38. Babu,S., Singh, R., Kant,R., Rathore,S.S., Kumar,S., Das,A., Layek,J., Sharma,V., Wani,OA, and Singh,VK. 2023. Conservation tillage and diversified cropping enhance system productivity and eco efficacy and reduce greenhouse gas intensity in organic farming *Frontiers in Sustainable Food System. Food Syst.* 7: 1114617 doi: 10.3389/fsufs.2023.1114617.
 39. Bagal, S., Sharma, L. K and Slathia, P.S. 2022. Round the year fodder management practices of dairy farmers in subtropics of Jammu region of India. *Indian Journal of Ecology*, 49(5): 433
 40. Bagal, Y S, Nanda, R., Sharma L .K, Raina, N Sand Rizvi, S.E.H. 2022. Socio-economic Factors Determining Extraction of Non-timber Forest Products in the Jammu Region of Jammu and Kashmir. *Indian Journal of Ecology*. 49(5) (SI): 1879-1884.
 41. Bagal, Y S., Nanda, R, Sharma L K, Raina, N Sand Rizvi, S.E.H. 2022. Analysis of Personal, Socio-economic Characteristics and Information Seeking Pattern of Non-Timber Forest Produce (NTFP) collectors of Jammu Region of J&K. *Biological Forum*. 14(2):132-136
 42. Bagal, Y S., Nanda, R, Sharma L K, Raina, N Sand Rizvi, S.E.H. 2022. Socio-economic Factors Determining Extraction of Non-timber Forest Products in the Jammu Region of Jammu and Kashmir. *Indian Journal of Ecology*. 49(5) (SI): 1879-1884
 43. Bagal, Y. S, Nanda, R., Sharma, L. K., Raina, N., Sand Rizvi, S.E.H. 2022. Comparative Analysis of Personal and Socio-economic Characteristics of Non-Timber Forest Produce (NTFP) Collectors and Non-collectors of Jammu Region of J&K. *Asian Journal of Agricultural Extension, Economics & Sociology*, 40(6): 102-108.
 44. Bagal, Y. S., Nanda, R., Sharma L. K & Raina, N.S. 2022. Collection and Marketing of Non-timber Forest Products by the Forest Dwellers in Jammu Region of J&K. *Journal of Community Mobilization and Sustainable Development*,2(Special Issue): 655-659
 45. Bagal, Y. S., Nanda, R., Sharma, L. K and Raina, N. S. 2022. Collection and marketing of non-timber forest products by the forest dwellers in Jammu region of J&K. *Journal of Community Mobilization and Sustainable Development*, 2(Special issue): 655-659.
 46. Bagal, Y. S., Nanda, R., Sharma, L. K and Raina, N. S.2022. Traditional use of non-timber forest products: Boon for livelihood security of people in shivalik range of Jammu region. *Indian Journal of Traditional Knowledge*, 21(1): 180-185.
 47. Bagal, Y. S., Nanda, R., Sharma, L. K. & Raina, N S. 2022. Traditional use of non-timber forest products: Boon for livelihood security of people in Shivalik range of Jammu region. *Indian Journal of Traditional Knowledge*. 21(1): 180-185
 48. Bagal, Y. S., Nanda, R., Sharma, L. K., & Raina, N .S. 2022. Collection and Marketing of Non-timber Forest Products by the Forest Dwellers in Jammu Region of J&K. *Journal of Community Mobilization and Sustainable Development*,2(Special Issue): 655-659.
 49. Bagal, Y. S., Nanda, R., Sharma, L. K., Raina, N. S and Rizvi, S. E. H. 2022. Comparative analysis of personal and socio economic characteristic of Non Timber

- Forest Produce(NTFP) collectors and non collectors of Jammu region of J&K. *Asian journal of Agricultural Extension, Economics & Sociology*, 40(6): 102-108.
50. Bagal, Y. S., Nanda, R., Sharma, L. K., Raina, N. S and Rizvi, S. E. H. 2022. Analysis of personal, socio economic characteristics and information seeking pattern of non-timber forest produce (NTFP) collectors of Jammu region of J&K. *Biological Forum*, 14(2): 132-136.
 51. Bagal, Y. S., Nanda, R., Sharma, L. K., Raina, N. S and Rizvi, S. E. H.2022. Socioeconomic factors determining extraction of non-timber forest products in Jammu region of Jammu and Kashmir. *Indian Journal of Ecology*, 49(5): 1879-1884.
 52. Bagal, Y.S, Nanda, R., Sharma, L. K, Raina, N Sand Rizvi, S.E.H. 2022. Analysis of Personal, Socio-economic Characteristics and Information Seeking Pattern of Non-Timber Forest Produce (NTFP) collectors of Jammu Region of J&K. *Biological Forum*. 14(2):132-136.
 53. Bagal,Y. S., Nanda, R, Sharma L K, Raina, N Sand Rizvi, S.E.H. 2022. Comparative Analysis of Personal and Socio-economic Characteristics of Non-Timber Forest Produce (NTFP) Collectors and Non-collectors of Jammu Region of J&K. *Asian Journal of Agricultural Extension, Economics & Sociology*, 40(6): 102-108
 54. Bali, K., Gupta, R. K., Pervez, A., Guroo, M. A., Gupta, A., and Gani, M. 2022. Variation in reproductive attributes and diapause behaviour among six populations of *Zygodonta bicolorata* Pallister. *International Journal of Tropical Insect Science*, 42(1): 755-765.
 55. Bali, R., Singh, A.K., Kumawat, P.K., Hussain, T.,Singh, M., Sharma, R.N., Bajjiya, 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.
 56. Bali, R., Singh, A.K., Kumawat, 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.
 57. Banoo, M., Sinha, B. K., Chand, G., Sinha, R., Gupta, M., Sharma, M., Dogra, S., Kouser, F., Kour, M. and Sharma, D. 2022. Response of growth retardants paclobutrazol and cycocel on morphological characteristics in Indian Mustard(*Brassica juncea* L.) genotypes under rainfed condition. *The Pharma Innovation Journal*, 11(12): 715-719. (NAAS 2022 Score: 5.23; Journal ID: T050; ISSN: 2349-8242).
 58. Banoo, M., Sinha, B.K., Chand, G., Sinha, R., Gupta, M., Sharma, M., Dogra, S., Kouser, F., Kour, M. and Sharma., D. 2022. Response of growth Retardants Paclobutrazol and Cycocel on Morphological Characteristics in Indian Mustard (*Brassica juncea* L.) Genotypes under Rainfed Condition. *The Pharma Innovation Journal* 11(12): 715-719.
 59. Banotra, M., Sharma, B.C., Kumar, R. and Sharma, R. 2022. Impact of differential substitution of nutrients through organics on yield, nutrient uptake and economics of

basmati rice in irrigated Shivalik foothills of J&K. *Ecology Environment and Conservation*, 28(3): 1619-1623.

60. Banotra, M., Sharma, B.C., Nandan, B., Kumar, R., and Verma, A., 2022: Productivity and Profitability in Basmati Rice-based Cropping System as Influenced by Nutrients in J&K. 10th National Seminar on “Agriculture and More: Beyond 4.0” May 26-28, 2022, organized by Society for Community Mobilization for Sustainable Development in collaboration with SKUAST-Kashmir & SKUAST-Jammu Pp 122
61. Banotra, M., Sharma, B.C., Kumar, R. and Mahajan, A. 2022. Influence of differential substitution of nutrients through organics on growth, yield and nutrient content of green gram (*Vigna radiata*) in irrigated sub-tropical region of J and K. *Legume Research*, 45(7): 866-871
62. Barh, A., Sharma K., Bhatt, P., Annepu, S.K., Nath, M., Shirur, M., Kumari, B., Kaundal, K., Kamal, S., Sharma, V.P., Gupta, S., Sharma, A., Gupta, M., and Dutta, U. 2022. Identification of Key Regulatory Pathways of Basidiocarp Formation in *Pleurotus* spp. Using Modeling, Simulation and System Biology Studies. *J. Fungi* 2022, 8, 1073.
63. Barh, A., Sharma K., Bhatt, P., Annepu, S.K., Nath, M., Shirur, M., Kumari, B., Kaundal, K., Kamal, S., Sharma, V.P., Gupta, S., Sharma, A., Gupta, M., and Dutta, U. 2022. Identification of Key Regulatory Pathways of Basidiocarp Formation in *Pleurotus* spp. Using Modeling, Simulation and System Biology Studies. *J. Fungi* 2022, 8, 1073.
64. Bhagat ,Rakshit., Singh, Mahender and Sharma, B.C. 2023. Growth and productivity of gobhi sarson (*Brassica napus*) cultivars under diverse sowing environments. *Indian Journal of Agricultural Sciences* 92(10): 1202-1207.
65. Bhagat, A., Gupta, L.M., Gupta, Meenakshi, Gupta, S.K. and Raina, N. S. 2022. Effect of integrated nutrient management on growth and yield of stevia (*Stevia rebaudiana* Bertoni). *Indian Journal of Ecology* 49(5) (SL): 1965-1967
66. Bhagat, G., Shankar, U. and Singh, A. K. 2022. Refinement of male annihilation technique (Mat) and bait attractant technique (Bat) for fruit flies. *The Pharma Innovation Journal*, SP-11: 7. 1182-1185.
67. Bhagat, G., Shankar, U., Singh, A. K. and Mukhtar, Y. 2022. Evaluation of male annihilation and bait attractant techniques for the management of fruit fly on mango. *The Pharma Innovation Journal*, SP 11(8): 1785-1787.
68. Bhagat, R., Singh, M., Sharma, B. C., Shankar, U. 2022. Effect of sowing environments on yield attributes and yield of Gobhi Sarson (*Brassica napus* L.) cultivars under sub-tropics of Jammu region. *Journal of Oilseed Brassica*, 13: 1. 7-10 January.
69. Bhagat, S., Kumar, A. and Puniya, R. 2022. Effect of different herbicidal treatments on weeds, maize productivity and nutrient uptake by weeds and maize (*Zea mays* L.). *The Pharma Innovation Journal*, 11(10): 1627-1630.
70. Bhagat, S., Singh, S. K., Choudhary, S., Singh, R., Singh, V. B., Singh, A. K. and Vaid, A. 2022. Studies on effect of different media on the mycelial growth of *Colletotrichum lindemuthianum*. *Biological Forum*, 14: 143-145.

71. Bhagat,A.K., Gupta,A. and Sharma, J. P. 2022. Russian Ukraine War – Impact on Global Agriculture and Fisheries Food Security. *Journal of Community Mobilization and Sustainable.2*, 515-518
72. Bhagat,G., Singh,S.P., Dwivedi,S., Bhat,A., Raj,L., Sharma,S., and Singh,M., 2022. Profitability and Resource Use Efficiency of Mustard in Jammu District of J&K (UT). *Agro Economist- An International Journal*. 9(01): 107-110.
73. Bhagat,G., Singh, S.P. , Kachroo, J., Dwivedi,S., Bhat,A., Dwivedi, M.C.2022.Evaluation of Marketing Structure and Sustainability of Mustard in Jammu District of JK-UT. *Journalof Community Mobilization*.
74. Bhagat,G., Singh,S.P., Kachroo,J., Dwivedi,S., Bhat,A., Dwivedi,M.C. ,et. al. 2022. Evaluation of Marketing Structure and Sustainability of Mustard in Jammu District of JK-UT. *Journal of Community Mobilization and Sustainable Development*. Vol.1(seminar special issue) May, 26-28, 2022: pp:229-232.
75. Bhagat,V., Dwivedi, S., Sharma,P.K., Peshin,R., and Rizvi,S.E.H., 2022. Economics and Resource Use Efficiency of Wheat Crop: Findings from Jammu Region of Jammu & Kashmir.*Economic Affairs*, 67(2):1-8.
76. Bharat, R. Gupta, M., Bazaya, B.R. and Gupta, R. 2022. Bio-efficacy of different herbicides on weeds and yield of Indian mustard (*Brassica juncea* L.) in Jammu. *The Pharma Innovation Journal* 2022; 11(2): 725-727.
77. Bharat, R. Gupta, M., Bazaya, B.R. and Gupta, R. 2022. Evaluation of newly released cultivars of Indian mustard on weeds in Siwaliks region of Jammu. *International Journal of Plant & Soil Science*, 2022.
78. Bharat, R., Gupta, M., Bazaya, B.R. and Gupta, R. 2022. Bio efficacy of different herbicides on weeds and yield of Indian mustard (*Brassica juncea* L.) in Jammu. *The Pharma Innovation Journal*, 11(2): 725-727
79. Bharat, R., Gupta, M., Bazaya, B.R. and Gupta, R. 2022. Evaluation of newly released cultivars of indian mustard on weeds in siwaliks region of Jammu. *International Journal of Plant & Soil Science*, 34(15): 23-28.
80. Bharat, R., Gupta, M., Gupta, V. and Gupta R. 2022. Effect of sowing schedules and crop geometry on photo-thermal energy utilization and productivity of Indian mustard (*Brassica juncea*) in Jammu region. *Indian Journal of Agronomy* 67(3): 287-293.
81. Bharat, R., Gupta, V., Gupta, M. and Rai, S.K. 2022. Effects of Different Sowing Schedules and Planting Geometry on Yield and Productivity of Indian Mustard (*Brassica Juncea* L.). *Bangladesh Journal of Botany*, 51 (3): 631-635
82. Bharat,R., Gupta,M., Kour,S., Arya ,VM, and Gupta, R.2023. Performance of salicylic acid and hydrogel on water use efficiency and productivity of Indian mustard (*Brassica juncea* L.) in Jammu region, *International Journal of Plant and Soil Sciences* , 35 (8): 1-6
83. Bharat,R., Gupta, M., Kour,S., Arya,V.M., Gupta,R., 2023. Performance of Salicylic Acid and Hydrogel on Water Use Efficiency and Productivity of Indian Mustard

(*Brassica juncea L.*) in Jammu Region (2023) , *International Journal of Plant & Soil Science*, Volume 35, Issue 8, Page 1-6

84. Bharat,R., Gupta,M., Gupta, Vikas and Gupta,R. 2022. Effect of sowing schedules and crop geometry on photo-thermal energy utilization and productivity of Indian mustard (*Brassica juncea*) in Jammu region, *Indian Journal of Agronomy*, 67 (3):287-293
85. Bhardwaj, R. K., Jamwal Antrikash, Gupta Ajay, Dwivedi, D.K. and Kumar Sudheer 2022. Concurrent crop impaction and metallic foreign body in the cloaca of gallus domesticus-a rare case report. *Haryana Vet.* (December 2022) 61 (2), 293-294
86. Bhardwaj, R.K., Soodan, J.S., Singh, R., Himalini and Kumar, S. 2022. Comparison of therapeutic efficacy of long acting oxytetracycline and enrofloxacin in anaplasmosis affected cows. *Indian J. Vet. Med.* Vol.,
87. Bhat A., Rigzin, Kachroo D ,Sharma M., and Sharma, M. 2021. Economic Sustainability of Vegetable Growers in Jammu Region of Jammu and Kashmir Union territory. *Empirical Economics Letters*. Vol.20(3). pp 01-17.
88. 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. *Veterinarski Arhiv*. 92 (1), 11-16. DOI: 10.24099/vet.arhiv.1124
89. Bhat, A.M., Soodan, J.S and Singh, R. 2022. Effectiveness of an internal teat sealant in preventing new intra memory infections in dairy cattle during dry period. *Veterinarski arhiv* 92(1):11-16
90. Bhat, D.J., Bakshi, P., Jasrotia, A. , Bhat, A., Kumar, S. and Singh, A. 2022. Economic analysis of aonla based cropping system under Jammu sub tropics. *International journal of social sciences*.11(01):51-54
91. Bhat, D.J.,Bakshi, P., Jasrotia, A., Bhat, A., Kumar, S. and Singh, A. 2022. Economic analysis of aonla based cropping system under Jammu sub tropics. *International journal of social sciences*.11(01):51-54
92. 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., and 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, DOI: 10.18805/IJAR.B-3888
93. 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., and 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, DOI: 10.18805/IJAR.B-3888
94. Bhat, R., Singh, A.K., Mushtaq, M., Salgotra, R.K., Sharma, M., Bhat, B.A., Basu, U., Al-asker, I., Hossain, A.A., Ueda, Akhohiro and Ayman, E.S. 2022. Identification of QTLs for yield and associated traits in F2 population of Rice. *Phyton- International Journal of Experimental Botany* (DOI: 10.32604/phyton.2022.020100) (IF: 1.407)
95. Bhat, R., Singh, A.K., Salgotra, R.K., Sharma, M., Mushtaq, M., Bagati, S., Hangloo, S., Singh, A. (2019). Detection of QTL for panicle architecture in F2 population of rice. *Journal of Genetics*. 98. 50. <https://doi.org/10.1007/s12041-019-1088-z>.

96. Bhat,A., Kumar,A., Bhagat,G., Kachroo,J., Sharma,S., Dwivedi,S., and Singh,S.P.2022. An Economic Evaluation of Rice Processing Mills in Jammu District of Jammu and Kashmir Union Territory. *Agro Economist- An International Journal*. 9(04): 345-351.
97. Bhat,R., Singh, A.K., Salgotra,R.k., Sharma M., Mushtaq,M ., Bagati,S., Hangloo,S. and Singh,A. (2019) Detection of Quantitative Trait Loci for panicle architecture in F2 Population of rice (*Oryza sativa* L.) using SSR markers. *Journal of Genetics*. Springer.
98. Bhutyal, D., Khan, N., Sharma, R. K., Mahajan, V. and Sasan, J.S. 2022. Comparative efficacy of herbal methionine vis-à-vis dl-methionine on performance of broiler chicken. *Journal of Livestock Science*. 13: 48-57.
99. Borkataki S., Katoch R., and Goswami P. 2023. Evaluation of *Lucilia sericata* live maggot in reducing oxidative stress in wound healing of diabetic rat. *Scientist* 4(4) : 30-43.
100. Buttar,T.S., Sharma,V., Arya,V.M., and Bharat,R. 2023. Impact of conservation agriculture practices on soil physical properties and yield of rainfed Maize, *Journal of Soil and Water Conservation*, , Jan-March, 2023, Vol. 22 (1), 7-14.
101. Chakraborty, D. and S.S. Dhaka.2023. Non-Genetic Factors Affecting Production Traits in Murrah Buffaloes. *Journal of Buffalo Science*. 12: 16-20.
102. Chakraborty, D., Sharma N., Kour, S., Sodhi, S.S., Gupta, M.K. and Lee, S.J. 2022. Applications of omics technology for livestock selection and improvement. *Frontiers in Genetics*,13:774113
103. Chaudhary,D., Sharma,S., Khar,S., and Srivastava, R.K. 2023 Internet of Things (IOT) and Big Data; Future of Farming. *Agricultural Engineering Today* :47(1) pp 59-62
104. Chauhan, B.S., Kaur, V. and Salgotra, R.K. 2022. Genetic diversity and population structure analysis to study the evolution of herbicide resistance in *Echinochloa colonaeco* types in Australia. *ActaPhysiologiaePlantarum* 44:32 <https://doi.org/10.1007/s11738-022-03366-x>
105. Chikkeri S. S, Kumar S, RK Samnotra RK , Loona D and Noopur K . 2023. Evaluation of tomato (*Solanum lycopersicum* L.) genotypes for growth, yield attributes and yield under subtropical region of Jammu, *The Pharma Innovation Journal*. 12(6): 3036-3038.
106. Choton,S.,Bandal, J. D.,Sood, M.,Gupta, N.and Dutta, U. 2022. Proximate, minerals and microbial properties of chickpea nuggets supplement with green leaf powder. *Indian Journal of Ecology*.49 (3): 927-932
107. Choudhary, M., Kumar, B., Singh, P. and Sharma, M. 2022. Diversity analysis for yield and its contributing traits in rice germplasm (*Oryza sativa* L.) using principal component analysis approach. *International Journal of Environment and Climate Change* .12(09):143-150.
108. Choudhary, R.S., Mondal, A.K., Sharma, V., Puniya, R., Bhanwaria, R., Yadav, N.K. & Jhajhra, S. 2022a. Effect of Organic Manures and Boron Application on Yield Attributes and Yield of Mustard (*Brassica juncea* L.) under Jammu Region. *Communications in Soil Science and Plant Analysis* . 1:0 1–18.

109. Choudhary, R.S., Mondal, A.K., Sharma, V., Puniya, R., Yadav, N.K., Jhajhra, S., Bana, R.C., Bochalya, R.S., Kumar, D., Choudhary, R.K. & Kumawat, N. 2022b. Effect of Organic Manures and Boron Application on Physico- Chemical Properties of Mustard Grown Soil under Jammu region. *Agricultural Mechanization in Asia, Africa and Latin America*. 53, 5393–5399.
110. Choudhary, S., Khan, N., Sharma, R. K., Sasan, J. S. and Mahajan, V. 2022. Effect of dietary inclusion of turmeric (*Curcuma longa*) and garlic (*Allium sativum*) powders as feed additives on growth performance and cell mediated immune response of broiler chicken. *International Journal of Bio-resource & Stress Management*, 13(10):1040-1046.
111. Choudhary, S., Singh, R., Bhagat, S., Amin, T., Singh, S.K., Gupta, S.K., and Vai, A., 2022. Screening of *Lagenaria siceraria* (Mol.) Standl. Genotypes against a Tobamovirus causing mosaic disease in Jammu. *The Pharma Innovation Journal*, 11(3): 2438-2442
112. Choudhury M, Bindra H.S., Singh K, Singh AK, Nayak R, 2022 Antimicrobial polymeric composites in consumer goods and healthcare sector: A healthier way to prevent infection. *Polymers for Advanced Technologies* 33 (7), 1997-2024
113. Chouhan, Y., Pande, N., Agarwal, R., Bhavna and Sharma, U. 2022. Evaluating Impact of Trace Mineral Supplementation during Late Gestation on Dairy cows Immunoglobulin status and calf viability. *Intas Polivet*. 21(II): 367
114. Dadheechi, M., Bhat, D.J., Jasrotia, A., Bakshi, P., Sharma, R. and Lal, M. 2022. Propagation studies on Karonda (*Carissa carandas* L.) under Jammu sub-tropics. *Agricultural Mechanization in Asia, Africa and Latin America*. 53(9): 9707-9716.
115. Dadhich, S. M and R.K. Srivastava. 2022. Saving Energy through Frequency Control Device Under Variable Application Rate of Sprinkler Irrigation System. *Agricultural Engineering Toda*. 46 (3): 64-67.
116. Dadhich, S.M., Garg, N.K, Srivastava, R.K. and Ojha , S. 2022. Non-Linear Optimization Model for Water Allocation under Deficit Irrigation System. *Journal of Community Mobilization and Sustainable Development*: 17 (2), 457-465.
117. Dahiya, P., Kour, K., Bakshi, P., and Kour, S., 2022. Preliminary evaluation of some Cape gooseberry (*Physalis peruviana* L.) genotypes under Jammu plains. *Indian Journal of Plant Genetic Resources* 35(1): 101- 105
118. Dahiya, P., Kour, K., Bakshi, P., Kour, S., Singh, D.B., and Bushan, B. 2022. Correlation and path analysis using growth, flowering, fruiting and biochemical parameters in Cape gooseberry. *Indian Journal of Horticulture* 79(2): 145-150.
119. Dahiya, P., Kour, K., Bakshi, P., and Kour, S., 2022. Evaluation of cape gooseberry (*Physalis peruviana* L.) genotypes under Jammu Plains. *International Journal of Minor Fruits, Medicinal and Aromatic Plants* 8(1): 21-26.
120. Dahiya, P., Kour, K., Bakshi, P and Kour, S. 2022. Preliminary evaluation of some cape gooseberry genotypes under Jammu plains. . *Indian Journal of Plant Genetic Resource* 35(1): 101-105

121. Dahiya,P., Kour, K.,Bakshi,P and Kour, S.2022.Preliminary evaluation of some cape gooseberry genotypes under Jammu plains. . *Indian Journal of Plant Genetic Resource* 35(1): 101-105.
122. Dahiya,P.,Kour, K.,Bakshi,P and Kour, S.2022.Evaluation of cape gooseberry (*Physalis peruviana* L.) genotypes under Jammu Plains. *International Journal of Minor Fruits, Medicinal and Aromatic Plants*. 8(1): 21-26
123. Dahiya,P.,Kour, K.,Bakshi,P and Kour, S.2022.Evaluation of cape gooseberry (*Physalis peruviana* L.) genotypes under Jammu Plains. *International Journal of Minor Fruits, Medicinal and Aromatic Plants*. 8(1): 21-26.
124. Das, S. and Sharma, A.2022 Effect of potting media sterilization on plant growth of Carrizo (*Citrus sinensis* Osb. X *Poncirus trifoliata* L. Raf.) and rough lemon (*Citrus jambhiri* Lush.) nursery stock. *The Pharma Innovation Journal* 11(6): 1609-1612
125. Das, S. and Sharma, A.2022 Effect of potting media sterilization on plant growth of Carrizo (*Citrus sinensis* Osb. X *Poncirus trifoliata* L. Raf.) and rough lemon (*Citrus jambhiri* Lush.) nursery stock. *The Pharma Innovation Journal* 11(6): 1609-1612
126. De, A. K., Chakraborty, D., Ponraj, P., Sawhney, S., Banik, S., Chakurkar, E. B. and Bhattacharya, D. 2023. Supplementing turmeric rhizome powder in growing Andaman local pigs: a conflated approach for therapy evaluation. *Tropical Animal Health and Production*, 55:45. <https://doi.org/10.1007/s11250-023-03459-w>.
127. Devi, A., Bakshi, P., Bhushan, B., Kour, K., Kumar, R., Jeelani, M.I., Shah, R.A. and Lal, M. 2022. Correlation of aonla orchards to soil nutrient status with growth, flowering and fruiting characteristics. *Agricultural Mechanization in Asia, Africa and Latin America*. 53(8): 9355-9363
128. Devi, J., Bhat. D. J, Jasrotia, A., Sharma, V., Sharma, A. and Chand, G. 2022. Soil and Leaf Macro-Nutrients status in Mango (*Mangifera indica* L.) cv. Dashehari orchards under Samba districts of Jammu region *Agricultural Mechanization in Asia, Africa and Latin America*. 53(09): 9599-9611
129. Dhaiya, P., Kour, K., Bakshi, P.,Kour, S., Singh, D.B. and Bhushan, B. 2022. Correlation and path analysis using growth, flowering, fruiting and biochemical parameters in cape gooseberry. *Indian Journal of Horticulture*. 79(2): 145-150
130. Dhotra, B., Sharma, K.R., Rai, P.K. and Vikas, V. 2023. Effect of boron and FYM on different types of soil boron forms. *Annals of Plant Sciences*, 12(1): 5719-5727
131. Diksha, Sharma,R., Singh,S.P., Parul, Kashyap,P., Deep,A., and Bhagat,G. 2022. An investigation into the socio-economic status and problem of cherry growers with reference to Shimla district of Himachal Pradesh. *The Pharma Innovation*.SP-11(6):2333-2337.
132. Dogra, S., Chand, G., Sinha, B. K., Banoo, M., Kouser, F., Kumari, M. and Sharma, M. 2023. Effect of drought stress on antioxidants activity in response to yield and its attributes in different *Brassica juncea* (L). *Agricultural Mechanization in Asia*, 54(04): 12767-12779. (NAAS 2023 Score: 6.29; Journal ID: A093; ISSN: 0084-5841).

133. Duwa, Bandral, J. D., Sood, M. and Nishu. 2022. Effect of blanching and drying on nutritive and sensory quality of amaranth and fennel leaves. *Journal of Community Mobilization and Sustainable Development*, 2: 506-511.
134. Farooq, A., Bhat, K.A., Mir, R.A., Mahajan, R., Nazir, M., Sharma, V., and Zargar, S.M. 2022. Emerging trends in developing biosensor techniques to undertake plant phosphoproteomic analysis. *Journal of Proteomics*, 253: 104458, 1-13
135. Farooq, A., Sharma, V., and Zargar, S.M., 2023. Morphological characterization of phosphorus stress common bean plant under different media. *International Journal of Agricultural Sciences*, 19: 96-101.
136. Fazli, R., Dwivedi, M.C., Puniya, R., Sharma, V., Sharma, M.K. and Kumar, A. 2023. Effect of seaweed extract under different doses of NPK on growth parameters of wheat. *The Pharma Innovation Journal* : 12(1): 3019-3023.
137. Ganai, I. A., Sharma, R. K., Pathak, A. K., Khan, N. and Rastogi, A. 2022. Chemical composition, phenolic fractions and in vitro dry matter digestibility of fodder top foliage of district Poonch of Jammu & Kashmir. *Journal of Animal Research*, 12(3): 01-06.
138. Gazal, S., Sharma, N., Gazal, S., Tikoo, M., Shikha, D., Badroo, G.A., Rashid, M. and Lee, S.J. 2022. Nipah and Hendra Viruses: Deadly Zoonotic Paramyxoviruses with the Potential to Cause the Next Pandemic. *Pathogens* 11(12), 1419.
139. Godara, R., Katoch, R., Yadav, Anish, Nazim, K., Sofi, O.M., Verma, P.K. 2022. Esterase mediated pyrethroid resistance in *Rhipicephalus microplus* ticks collected from north-western Himalayas. *Indian Journal of Animal Sciences*. 92: 52-54
140. Goutam, M., Bhat, D.J., Jasrotia, M., Kour, K. Sharma, M., Sinha, B.K. and Gupta, S. 2022. Studies on the effect of different surface sterilization agents under in vitro culture of papaya (*Carica papaya* L.) variety Red Lady. *The Pharma Innovation Journal*. Vol. 11(11): 510-512
141. Gowri, R., Amrutkar, S., Khan, A., Khan, N., Mahajan, V., Kour, M. and Chakraborty, D. (2022). Effect of Supplementation of Rough Lemon Juice, Amla Juice and Aloe Vera Gel on Performance of Broiler Chicken under Summer Season. *Asian Journal of Dairy and Food Research*. DOI: 10.18805/ajdfr.DR-1867.
142. Gul, R., Gupta, M., Bharat, R., Sharma, B.C., Kour, S and Singh, B., 2023. Effect of soil and foliar application of zinc and iron on economics and yield of wheat (*Triticum aestivum* L.) in Jammu. *The Pharma Innovation Journal*, 12 (2) : 685-688.
143. Gul, R., Gupta, M., Bharat R., Kour, S., Sharma, B.C. and Singh, B. 2023. Effect of soil and foliar application of Zinc and Iron on economics and yield of Wheat (*Triticum aestivum* L.) in Jammu. *The Pharma Innovation Journal*, 12(2): 685-688.
144. Gul, R., Gupta, M., Kour, S., Sharma, B.C., Bharat, R. and Jamwal, S. 2023. Effect of soil and foliar application of Zinc and Iron on economics and yield of Wheat (*Triticum aestivum*) in Shivalik foot hills. *The Pharma Innovation Journal*, 12(3): 4325-4328.

145. Gul,R., Gupta,M., Bharat,R., Sharma, B.C., Kour,S. and Singh,B. (2023). Effect of soil and foliar application of Zinc and Iron on economics and yield of wheat (*Triticum aestivum* L.) in Jammu, *The Pharma Innovation*, 12 92):685-688.
146. Gupta I., Bhat ,A.,and Singh, J., 2022. Effect of edible coatings on quality of walnut kernels. *The Pharma Innovation Journal*SP-11(6): 600-604
147. Gupta P., D. J. Bhat, P. Bakshi, V. K. Wali, N. Sharma,. Vivak M. Arya, K. Sood and A. 2022. Jasrotia, Mulching and herbicidal treatment impact on weed growth and performance of low chilling peach under sub-tropical condition. *Journal of Crop and Weed*, 18(2): 77-84.
148. Gupta, A.K , Thakur N.P., Khajuria,V., Kumar P., Bochalya R.S., Kumar D., Archna and Naveena 2022. On Farm Evaluation of Balanced Fertilization on Productivity, Nutrient use Efficiency and Economics of Pre-dominate R-W Cropping System of Jammu Region. *Agricultural Mechanisation in Asia*. 53 (07) 9061-9067.
149. Gupta, C., Gupta, M., Gupta, S. and Salgotra, R.K., 2022. Screening of common bean (*Phaseolus vulgaris* L.) germplasm against *Colletotrichum lindemuthianum* inciting bean anthracnose. *Research Journal of Biotechnology*, 17(1): 13-18.
150. Gupta, M, Gupta, L.M., Singh, P. and Mahajan, V. 2022.Genetic variability in different accessions of *Asparagus racemosus* under Jammu sub-tropics. *AMA, Agricultural Mechanization in Asia, Africa and Latin America* 53 (5):8151-58
151. Gupta, M., Attri, M., Sharma, B.C., Thakur, N.P., Sharma, Rohit., and Kour, S., 2022. Efficacy of neem and zinc coated urea on productivity and economics of wheat (*Triticum aestivum*). *Journal of Plant Nutrition* <https://doi.org/1080/01904167.2087086>
152. Gupta, M., Kour, S., Bharat, R., 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.
153. Gupta, M., Kour, S., Bharat , R. , 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
154. Gupta, N., Bandral, J D., Sood, M., Dutta ,U., Sharma, A., Trilokia, M., Hameed, F. and Nayyar, P., 2022. Influence of sugar concentration on quality characteristics of bael jam during storage. *Agricultural Mechanization in Asia*. 53(4): 7419-7428
155. Gupta, N., Bandral, J.D., Sood, M.,Dutta, U., Sharma, A., Trilokia,, M, Hameed, F. and Nayyar, P. 2022. Influence of sugar concentration on quality characteristics of bael jam during storage. *Agricultural Mechanization in Asia, Africa and Latin America*, 53(4): 7419
156. Gupta, N., Sood, M. and Bandral, J.D. 2023. Development and evaluation of osmo dried peel sticks from galgal. *Bangladesh Journal of Botany*, 52 (1): 17-25
157. Gupta, N., Sood, M. and Bandral, J.D. 2023. Development and evaluation of osmo dried peel sticks from galgal. *Bangladesh Journal of Botany*, 52 (1): 17-25.

158. Gupta, P., Bhardwaj, H.R., Gupta, A.K., Sharma, A., Nashiruddllah, N. and Kushwaha R.B. 2022. Duplex Doppler evaluation of distal intrarenal arteries in urinary tract diseases of dogs. *Indian Journal of Veterinary Surgery*, 43(1): 46-49.
159. Gupta, P., Bhat, D.J., Bakshi, P., Wali, V.K., Sharma, N., Arya, V.M., Sood. K.K. and Jasrotia, A. 2022. Mulching and herbicidal treatment impact on weed growth and performance of low chilling peach under sub-tropical condition. *Journal of Crop and Weed*. 18(2): 77-84.
160. Gupta, P., Gupta, A.K., Bhardwaj, H.R., Sharma, A., Dwivedi D.K. and Kushwaha R.B. (2022). Diagnosis of iliosacral lymphocenter tumor in dogs: A report of two cases. *Indian Journal of Veterinary Surgery*, 43(1): 64-65.
161. Gupta, P., Ishar, A., Parkash, S., Sharma, S. and Chakroborty, D. 2022. Empowerment of Tribal Farm Women through Backyard Poultry Farming in District Rajouri of J & K. *Journal of Community Mobilization and Sustainable Development*, 2 (Seminar Special Issue) May 26-28: 665-668.
162. Gupta, R., Bakshi, P. and Shah, R.A. 2022. Horticultural performance of field grown somaclones and irradiated strawberry (*Fragaria x ananassa* Duch) variants. *Bangladesh Journal of Botany*. 51(3): 555-563
163. Gupta, R., Bakshi, P. and Shah, R.A. 2022. Horticultural performance of field grown somaclones and irradiated strawberry (*Fragaria x ananassa* Duch) variants. *Bangladesh Journal of Botany*. 51(3): 555-563.
164. Gupta, R., V, Singh., Kumawat,A. P., Sinha, P. K., Jha,B. K., Jamwal,A. C., Singh,S., Singh,P., Kumar,B., Sharma,J., Rai,R., Sharma,A. P., and Kumar, V. 2022. Succession of pea insect pest and their natural enemies in rainfed sub tropics of Jammu and Kashmir region of N-W Himalayas. *Agricultural Mechanization in Asia*, 53(08) : 6061- 6017. (NAAS 2022 Score: 6.14; Journal ID: A093; ISSN: 0084-5841.
165. Gupta, S. , Sood, M., Bandral, J. D., and Gupta, N., 2022. Effect of blending traditional herbs on physico-chemical changes in bottle gourd nectar. *Journal of Eco-friendly Agriculture*, 17(2): 413-419
166. Gupta, S. , Sood, M., Bandral, J. D., and Gupta, N., 2022. Effect of blending traditional herbs on physico-chemical changes in bottle gourd nectar. *Journal of Eco-friendly Agriculture*, 17(2): 413-419
167. Gupta, S. K., Khare, P. V., Sehgal, S., &Slathia, P. S. (2022). Evaluation of agroforestry systems viz-a-viz livelihood of farmers of Jammu. *The Indian Journal of Agricultural Sciences*,91(12), 1821–1822
168. Gupta, S., Sharma., Rizvi, S.E.H., Bhat, M.I.J., Bhat, A., and Mahajan., S., 2022. Discriminant Analysis and Artificial Neural Network for Seasonal Classification of Tomato Crop: A Comparative Study. *The Indian Ecological Society, India*. pp:262 DOI: <https://doi.org/10.55362/IJE/IESIC/2022/PROC>
169. Gupta, S.K., Khare,V., Slathia, P.S., and Kumar, R. 2023. Bottlenecks in adoption of agroforestry practices in Jammu division of Jammu and Kashmir. *Indian Journal of ExtensionEducation*. 59:1-4.

170. Gupta, V. and Gupta, M. 2022. Adaptation Strategies for Optimum Sowing of Wheat Varieties and Validation through Ceres-Wheat Model in Changing Climatic Conditions Under Shivalik Range of N-W Himalayas. *Bangladesh Journal of Botany*. 51(4): 759-765.
171. Gupta, V., Gupta, M., Sandhu, S.S., Singh, M., Kour, S., Bharat, R., Singh A.P., Singh P. and Singh B. 2022. Evolution of Wheat varieties and their validation through CERES Wheat model under Lower foot hills of Shivalik Range of NW Himalayas. *Agricultural Mechanization in Asia*, 53 (02): 6051-6065.
172. Gupta,A., Kumar,P. and Sharma, J.P. 2022. Climate change threatens the blue economy, food millions of people rely on . *Journal of Community Mobilization and Sustainable Development*, 2: 398-407.
173. Gupta,V., Gupta,M, Kour,S. and Bharat,R. 2023. Growth analysis in relation to sowing environments and nitrogen levels in wheat varieties under irrigated conditions of N-W Himalayas of Jammu and Kashmir, *Indian Journal of Ecology*, 50 (2), Pp. 338-344.
174. Gupta,V.,Gupta,M., Sandhu, S.S., Singh,M., Kour,S., Bharat,R., Singh, A.P., Singh,P., Singh,B. 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(07): 9007-9023,53I (02) : 6051-6065.
175. Hameedi,A.,Kumar,S., Samnotra, R. K., Rai,S. K. Sharma,M.K., and Abrol,V., 2023. Genetic Variability Studies for Growth, Yield and Quality Traits in Chilli (*Capsicum annum* L.) Germplasm under Sub Tropical conditions of Jammu. *Biological Forum An International Journal* .15(1): 243-247
176. Harish BK, Pandey RK, Shah AH, Laishram N, Singh A and Dogra S.2023. Corm yield and economics of gladiolus cultivars affected by micronutrients grown under open field conditions under subtropics of Jammu. *International Journal of Environment and Climate Change*. 13(7):24-31
177. Harish BK, Pandey RK, Shah AH, Singh A, Laishram N and Dogra S.2023. Effect of micronutrients on growth and flowering of Gladiolus (*Gladiolus grandiflorus* L.) under sub tropics of Jammu. *International Journal of Environment and Climate Change*.13(6):369-376
178. Harish V., Ansari, M.M., Tewari D., Yadav A.B., Sharma Neelesh, Bawari S., Garcia-Betancourt M.L., Karatutlu A., Bechelany M. and Barhoum A. 2023. Advances in nanoparticles and nanostructures synthesis: Control of size, shape, and functionality. *Journal of the Taiwan Institute of Chemical Engineers*, 149(2023): 105010
179. Heer, A., Sharma, V., Kour, N. and Sharma, S., 2022.Terminalia chebula possesses in vitro anticancer potential. *Indian Journal of Pharmacy and Pharmacology*, 9(4): 1-5
180. Heer, A., Sharma, V., Kour, N., Badyal, A., and Sharma, S.,2022. Amla possesses antifungal potential against *Alternaria alternata*, *Bipolaris specifera* and *Curvuleria lunata*. *Current Trends in Pharmacy and Pharmaceutical Chemistry*, 4(2): 123-125

181. Himalini, Singh, R., Bhardwaj R. K. and Gupta, A. K. 2022. Prevalence and In vitro Detection of Anaplasma platys/ phagocytophilum Infection in Dogs of Jammu Region. *Journal of Animal Research*:12 (6): 1-5
182. Huma, Z.I., Sharma, N., Kour, S. and Lee, S.J. 2022. Phenotypic and molecular characterization of bovine mastitis milk origin bacteria and linkage of intramammary infection with milk quality. *Frontiers in Veterinary Science*, 9: 885134
183. Hussain, M., Banoo, M., Sinha, B. K. and Chand, G. 2022. Effect of foliar application of zinc and boron on growth, yield and quality attributes in chickpea (*Cicer arietinum* L.). *Journal of Pharmacognosy and Phytochemistry*, 11(3): 270-275.
184. Hussain, S.Z., Ammatullah, B., Reshi, M., 2023 Naseer, B., Kanojia, V., and Rather, A.H., Effect of soaking conditions on physico-chemical characteristics of Indian walnuts. *European Journal of Horticultural Sciences*.
185. Hussain, S.Z., Gaffar, R., Naseer, B., Qadri, T., Shah, U.N. and Reshi, M., 2022. Effect of seven non-conventional starch rich sources on physico-chemical and sensory characteristics of extruded snacks. *Italian Journal of Food Science*, 34(4): 44-56
186. Hussain, S.Z., Naseer, B., Qadri, T., Reshi, M., 2022. Amin, T. and Kanojia, V., Development and evaluation of continuous inshelled walnut processing system. *Journal of Food Process Engineering*, 45(6): 13986
187. Hussain, S., Sharma, M., Kumar, B., and Bhat, V.A., 2022. Almost Unbiased Dual Exponential Type estimators of Population Mean Using Auxiliary Information. *Journal of Statistics and Applications*. Vol 20(2) pp147-156.
188. Iqbal, T., Slathia, P.S., Pashin, R., Sehgal, S., Sharma, M. K., Kour, K., Kumar, R and Kumar, P. 2022. Livelihood generation through participation in joint forest management programme. *Journal of Community Mobilization and Sustainable Development*.17(3):963-968
189. Iqbal, T., Slathia, P.S., Peshin, R., Sehgal, S., Sharma, M., Kour, K., Kumar, R. 2022. Livelihood generation through participation in joint forest management programme. *Journal of Community Mobilization and Sustainable Development*. 17(3).
190. Iqbal, T., Slathia, P.S., Peshin, R., Sehgal, S., Sharma, M.K., Kour, K., Kumar, R., Kumar, P. 2022. Livelihood generation through participation in joint forest management programme. *Journal of Community Mobilization and Sustainable Development* 17 (3): 963-868
191. Ishafi, I., Gani, M., Shafi, S., Hassan, T., Mantoo, M.A., Bali, K., Gupta, R.K., 2022. The potential role of long non-coding RNAs and micro RNAs in insects: From junk to luxury. *Eurasian Journal of Molecular and Biochemical Sciences*, 1(1): 28-37.
192. Jaan, R. and Sood, K.K. 2022 Effect of pre-sowing treatment and sowing time on germination and early performance of Melia composite. *Indian Journal of Ecology*. 49(1):87-94
193. Jamwal, S., Puniya, R., Bazaya, B.R., Bochalya, R.S., Kumar, D., Mehta, S., Attri, M., and Naveena. 2022. Effect of Green Manuring and Herbicides on weed dynamics in direct seeded rice under sub tropics of Jammu. *Agricultural Mechanization in Asia africa and Latin America*, 53(03): 6792-6797.

194. Jana, Z.H.W., Rizvi S.E.H., Sharma M, Bhat MIJ, Mushtaq, S., 2022 Modified Regression Estimators for Improving Mean Estimation-Poisson Regression Approach. *Pakistan Journal of Statistics and Operation Research*, 985-994.
195. Jasrotia, S., Salgotra, R.K. and Sharma, M. (2021). Efficacy of bioinoculants to control of bacterial and fungal diseases of rice (*Oryza sativa* L.) in northwestern Himalaya. *Braz.J Microbiol.* 52:687–704. <https://doi.org/10.1007/s42770-021-00442-1>
196. Javaid, M., Gupta, L.M., Gupta, Meenakshi, Sood, K. K., Choudhary, Punit and Gupta, S.K. 2022. Variability in Fruit and Seed characteristics of Candidate Plus Trees of *Toona ciliata* in Jammu subtropics. *The Pharma Innovation Journal* .11(11): 553:556
197. Jayawardena, S.R., Morton, J.D., Bekhit, A.E. A., Bhat, Z.F., and Brennan, C.S. 2022. Effect of drying temperature on nutritional, functional and pasting properties and storage stability of beef lung powder, a prospective protein ingredient for food supplements. *LWT-Food Science and Technology*, 113315
198. Jebi, S., Singh, R., and Salgotra, R.K. 2022). Microsatellites-based population analysis revealed microdiversity in two major genepools of *Brassica juncea*. *Nucleus*. 65(1), 19-24.
199. Jebi, S., Singh, R., Mahajan, R., &Salgotra, R. K. 2021. Deconstructing molecular phylogenetic relationship among cultivated and wild *Brassica* species. *Genetic Resources and Crop Evolution*. 68: 2281-2288.
200. Jeelani R, Khan, A., Konwar D, and Brahma, B. 2022. A study on the trends of antibiotic usage in dairy animals of Jammu division. *Indian Journal of Dairy Science*. 75(4): 359-364
201. Jeelani R, Khan, A., Konwar, D. and Brahma, B. 2022. Role of Management in dairy udder health. *The Pharma Innovation Journal*. 11(6): 1337-46
202. Jeelani R, Khan, A., Konwar, D. and Brahma, B. 2023. Antimicrobial resistance (AMR) pattern of milk borne *Staphylococcus* spp. and *Escherichia coli* in Jammu region. *Indian Journal of Animal Sciences*. 93 (4): 331–336
203. Jha, A.C., Jamwal,S., Reena, Singh,P. and Singh, A.P. 2022. Integrated Management of Bean Anthracnose caused by *Colletotrichum lindemuthianum*. *J. Mycol Pl. Pathol.*52 (3): 258-260.
204. Joshi,k., Sehgal.S., and Upadhyay,L.,2022. Variation in tree biomass and carbon stock of *Pinus roxburghii* Sarg. along an altitudinal gradient in Jammu-J&K, India. *Indian Journal of Ecology* 49(5) (SI): 1891-1985
205. Kant, R, Bali, K., Gupta, R.K., Sharma, R. and Singh, P. 2022. Role of Biotic and Abiotic Factors Influencing Cocoon Productivity in Jammu Region. *Biological Forum – An International Journal*, 14(2): 1140-1145.
206. Kant, R, Bali, K., Gupta, R.K., Sharma, R., Singh, P., Jeelani, M.I. and Sharma, A. 2022. Study of Socio-economic Factors and its impact on Cocoon Productivity in Jammu Region. *Journal of Community Mobilization and Sustainable Development*,17(1): 1-4.
207. Kaur, G., Sharma, V., Ahmed, J.A., Malik, A., Saleem, A., Shah, R.A., Jeelani, R., Nashiruddullah, N., Khan, A., Konwar, D. and Brahma, B. 2023. A comparative study

- on retinoic acid inducible gene 1 like receptors RLR mediated in vitro antiviral response in Indian Bakarwali and Marwari goat breeds. *Gene Reports*, 32: 101789
208. Kaur, G., Sharma, V., Ahmed, J.A., Malik, A., Saleem, A., Shah, R A., Jeelani R, Nashiruddullah, N., Khan A., Konwar, D. and Brahma, B. (2023) A comparative study on retinoic acid inducible gene 1 like receptors (RLR) mediated in vitro antiviral response in Indian Bakarwali and Marwari goat breeds. *Gene Reports*.32(2023)101789
209. Kaur, M.; Bhat, A.; Sadik-Zada, E.R.; Sharma, R. 2022. Productivity analysis and employment effects of marigold cultivation in Jammu, India. *Horticulture*, 8 (263): 1-14.
210. Kaur,M., Bhat, A., Zada,E.R.S., and Sharma,R., 2022. Productivity Analysis and Employment Effects of Marigold Cultivation in Jammu, India. *Horticulturae*. 8:263.
211. Kavita Raina, S. K. Rai, Om Prakash Yadav and Deepak Kaushik 2022. Present status of Rapeseed Mustard oil Quality Improvement. *Biological Forum – An International Journal*, 14(3): 83-89.
212. Kavita Raina, S.K. Rai, Ashish Sheera and Richa Sharma (2022) . Correlation of Morphological Characters of Advanced Breeding Lines for Utilization in Mustard Breeding Programme of *Brassica juncea* (L.). *Frontiers in Crop Improvement*, (Special Issue-III) Vol 10 : 1247-1250.
213. Khalid,R., Bhat, M.I.J., Rizvi, S.E.H., and Sharma, M., 2022. (2022).A New ratio type estimator for computation of population mean under post- stratification. *Journal of Applied Mathematics, Statistics and Informatics*. Vol.18 (1);pp 29-41.
214. Khalid,R., Bhat, M.I.J., Rizvi, S.E.H., and Sharma, M., 2022. A New Exponential Ratio Type estimator for the Population Mean Using Information on Auxiliary Variable. *Journal of Statistics Applications & Probability Letters- An International Journal*. Vol.9 (1);pp 31-42.
215. Khalid,R., Bhat, M.I.J., Rizvi, S.E.H., and Sharma, M., 2022. Optimum Stratification For Equal Allocation Using Ranked Set Sampling as Method Of Selection. *International Journal of Statistics and Applied Mathematics*. Vol.7 (2);pp 63-67.
216. Khalid,R., Jeelani, M.I., Shah, M.Y., Tabassum ,A., Rizvi, S.E.H., 2022, Difference-cum-exponential efficient estimator of population variance. *The Journal of Science and Arts*. 22(2): 367-374.
217. Khaliq, N., Shankar, U. And Rather, B. A.2022. Seasonal incidence of whitefly Bemisiatabaci (Genn.) on mungbean. *Indian Journal of Entomology*, Online published Ref. No. e21205 DoI.: 10.55446/IJE.2022.177
218. Khaliq, N., Shankar, U., Rather, B. A. and Kumar, Y. 2022. Seasonal incidence of pea leaf miner, Chromatomyiahorticola Goureau infesting garden pea. *Indian Journal of Entomology*, Online published Ref. No. e21196.
219. 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.

220. Khan, N., Gupta, A., Sehar, M.A., Parihar, S., Kumar, D. and Mahajan, V. 2022. Effect of supplementing herbal antimicrobial growth promoter on performance of quail. 2022. *International Journal of Life Sciences and Applied Sciences* 4(1):1-09.
221. Khan, S A, Dadhich S M, Srivastava R K, Khar S and Bharti, V. 2022. Infiltration Modeling in Rainfed Area of Jammu Under Various Land Management Practices. *Journal of Community Mobilization and Sustainable Development* 17(3):837-841
222. Khan, S. and Parihar, P. 2022. Review on use of mobile applications in digital agriculture. *Journal of Community Mobilization & Sustainable Development*. 1 (Seminar Special Issue) 253-258
223. Khan, S., Dwivedi, D.K., Bhadwal, M.S, Kushwaha, R.B, Sharma, A., Gupta, P. and Bhardwaj, H.R. 2022. Repair of long bone fractures in dogs using locking compression plates. *Indian Journal of Veterinary Surgery*, 43(1): 18-20
224. Khan, S., Dwivedi, D.K., Bhadwal, M.S, Kushwaha, R.B, Sharma, A., Gupta, P. and Bhardwaj, H.R. 2022. Repair of long bone fractures in dogs using locking compression plates. *Indian Journal of Veterinary Surgery*, 43(1): 18-20.
225. Khan,S.A., Dadhich,SM, Srivastava, R K, Khar,S., and Bharti,V.(2022) Infiltration Modelling in Rainfed Area of Jammu under various land management practices. *Journal of Community Mobilization and Sustainable Development*. 17(3) :pp 837-844.
226. Khandi, S. A., Bhushan, B., Bafanda, R. A., Rafiquee, R. A., Jeelani, R. and Azad, M. S. 2022. Knowledge Level of Small Ruminant Practices by Pastoralists in Jammu and Kashmir. *The Pharma Innovation*. SP-11(4): 782-786.
227. Khar,S. and Zaffar,O. 2023. Energy Utilisation pattern in potato production in Jammu and Kashmir. *Environment and Ecology* .41 (2B) : pp 1258-1262.
228. Khursheed A, Yadav A, Sofi OM, Kushwaha A, Yadav V, Rafiqi SI, Godara R and Katoch R. 2022. Prevalence and molecular characterization of Eimeria species affecting backyard poultry of Jammu region, north India. *Tropical Animal Health and Production*, 54: 296
229. Kohli, S, Gupta, B.B, Kumar, B, Kumar, R, Chaturvedi, V.D, Singh, H, Priyatham, K, Salgotra, R.K and Samnotra R.K.2022. Characterization of Basmati Germplasm for Bacterial Leaf Blight Resistance and Grain Quality traits under North-Western Himalayan region of J&K. *AMA: Agricultural Mechanization in Asia, Africa and Latin America*. ISSN: 00845841 53(04):7429-7436 .
230. Kour A, Chopra S, Kumar M, Kumar S, Kumar S, Samnotra RK and Bharat R 2022 Cutting frequencies and foliar application of nutrients on green and seed yield in Spinach beet (*Beta vulgaris* var. *bengalensis*) *Indian Journal of Ecology*,49(5) (SI) : 1957-1961
231. Kour, G., Khan, N., Kumar, D. and Mahajan, V. 2022. Performance evaluation of quails with iron supplementation. *International Journal of Life Sciences and Applied Sciences*, 4(3): 32-39
232. Kour, G., Khan, N., Kumar, D., and Mahajan, V. 2022. Performance evaluation of quail with iron supplement *International Journal of Life Sciences and Applied Sciences* IJLSAS.

233. Kour, J., Devi, J. and Sarma, K. 2023. Effect of zinc supplementation on histomorphology of testis and epididymis in male wistar rats. *Indian Journal of Animal Research*. 57 (2): 184-189
234. 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
235. Kour, M., Khan, N., Singh, R., Sharma, B.C., Thakur, N.P., Azad, M.S., Kumar, P., Choudhary, P. and Mahajan, S. 2023. Developing cropping sequence modules for round the year green fodder production under irrigated conditions in North-West Himalayan region. *Indian Journal of Animal Sciences* 93(2): 218–225.
236. Kour, M., Sharma, B.C., Bindra, H.S., Singh, A. and Singh, P. 2023. Indian Agriculture with special reference to Jammu and Kashmir. *Biological Forum – An International Journal* 15(1): 308-314.
237. Kour, Manpreet. 2022. Sustainable round the year green fodder production modules under subtropical conditions of Jammu. *Indian Journal of Ecology* 49(5): 1945-1948.
238. Kour, R., Gupta, R. K., Hussain, B., & Kour, S. 2022. Synergistic effect of naturally occurring Granulosis virus isolates (PbGV) with phagostimulants against the cabbage butterfly, *Pieris brassicae* (L.) for its eco-friendly management. *Egyptian Journal of Biological Pest Control*, 32(1): 1-9.
239. 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
240. Kour, S., Khan, A., Pathak, A.K., Pande, N., Chakraborty, D. and Kour, S. 2022. Study on the Effect of UMMB Supplementation on Performance of Buffaloes of Gujjar Tribe of Jammu. *Indian. J. Anim. Res.*, 12(01): 135
241. Kour, S., Khan, A., Pathak, A.K., Pandey, N., Chakraborty, D. and Kour, S. (2022). Study on the Effect of UMMB Supplementation on Performance of Buffaloes of Gujjar Tribe of Jammu. *J. Anim. Res.*, 12(01): 135-146.
242. Kour, S., Sharma N., Huma, Z., Ahmed, T. and Kour, S. 2023. Haemato-biochemical profiling in Buffaloes in relation to metabolic changes during transition period. *Indian Journal of Animal Research*, <http://dx.doi.org/10.18805/IJAR.B-4992>
243. Kour, S., Sharma, A., Samanta, A., Jasrotia, A., Bhat, D.J., Sinha, B.K., Jamwal, M and Kumari, S 2022. Effect of different regimes of deficit irrigation and drip fertigation on quality and economics of mango (*Mangifera indica* L.) cv. Dashehari under rainfed conditions. *The Pharma Innovation Journal* 11(6): 104-114
244. Kour, S., Sharma, A., Samanta, A., Jasrotia, A., Bhat, D.J., Kumari, S. 2022. Impact of partial root zone drying, regulated deficit irrigation and fertigation on growth and quality mango (*Mangifera indica* L.) cv. Dashehari under rainfed conditions. *Agricultural Mechanization in Asia, Africa and Latin America*. 53(05): 7825-7838
245. Kour, S., Sharma, A., Samanta, A., Jasrotia, A., Bhat, D.J., Sinha, B.K., Jamwal, M. and Kumari, S. 2022. Effect of different Irrigation Regimes and Fertigation

- on Biochemical Properties of Mango (*Mangifera indica* L.) cv. Dashehari *Indian Journal of Ecology* 49(3):768-773
246. Kour, S., Sharma, N. and Kour, S. 2022. Transition period in dairy animals: Physiological changes and molecular insights. *Ruminant Science*, 10(2): 237-246
247. Kour, A., Chopra, S., Kumar, M., Kumar, S., Kumar, S., Samnotra, R.K. and Bharat, R. 2022 Cutting frequencies and foliar application of nutrients on green and seed yield in Spinach Beet (*Beta Vulgaris* var. *benghalensis*), *Indian Journal of Ecology*. 49 (5) SI1957-1961
248. Kouser, F., Kumar, S., Bhat, H. F., Noor, S., Manzoor, M., Dar, B. N., Hussoun, A., Ait-Kaddour, A., Shabbir, M. A., Aadil, R. M., and Bhat, Z. F. 2023. Effectiveness of *Terminalia bellerica* based bioactive edible film in controlling the microbial growth and lipid oxidation of cheese during storage. *Food Chemistry Advances*, 100213
249. Kouser, F., Kumar, S., Bhat, H.F., Hussoun, A., Bekhit, A. E. D. A., & Bhat, Z.F. 2023. Aloe barbadensis based bioactive edible film improved lipid stability and microbial quality of the cheese. *Foods*, 12: 229
250. Kuldeep Joshi, Sandeep Sehgal and Lalit Upadhyay. 2022. Variation in tree biomass and carbon stock of *Pinus roxburghii* Sarg. along an altitudinal gradient in Jammu-J&K, India. *Indian Journal of Ecology*. 49(5) (SI): 1891-1895
251. Kumar, R., Bhushan, A., Samnotra, R.K., Sharma, S. and Naik R, Chheepa, M.S and Naga, V.K 2022. Heritability Analysis for Horticultural Traits in Tomato under Low Cost Polyhouse Conditions of Jammu Subtropics. *International Journal of Environment and Climate Change*. 12 (10): 737-741
252. Kumar P., Sharma Neelesh*, Ahmed M.A, Verma A.K., Umaraw P., Mehta N., Abubakar A.A., Hayat M.N., Kaka U., Lee S.J. and Sazili A.Q. 2022. Technological interventions in improving the functionality of proteins during processing of meat analogues. *Frontiers in Nutrition*, 9:1044024.
253. Kumar Ranjeet R., Bakshi Suman, Dubey Kavita, Hasija S., Rai Gyanendra K., Jain Neelu, Jambulakar S., Singh Bhupinder, Singh G.P., Praveen Shelly (2021) Insight into the mechanisms of terminal HS-tolerance in wheat mutant with improved nutritional quality through de novo transcriptome sequencing. *Scientific Reports*. 1-24. 10.21203/rs.3.rs-241832/v1
254. Kumar S, Singh, S. K., Dhotra, B., Bhushan, A., Kumar M, Sharma, V. 2022. Impact of Organic Nutrient Management on Biometric Parameters of Rainy Season Okra (*Abelmoschus esculentus* (L.) Moench) under Jammu Agro-climate. *Environment and Ecology* .40 (1):33-38. January-March 2022 ISSN 0970-0420.
255. Kumar, A, Singh, B, Jamwal, B.S, Kumar, B and Kumar, A. 2022. Genetic Diversity Analysis of Chickpea Genotypes (*Cicer arietinum* L.) for Seed Yield and Morpho-genetic Traits. *Legume Research: An international Journal* 45(50): 574-578 .
256. 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.

257. Kumar, N., Dey, G., Rajawat, B.S., Dwivedi, S., Singh, S.P., Bhat, A., Singh, A.D., and Saroj. 2023. Functional Analysis of Marketing of Blackgram in Lalitpur District of Uttar Pradesh. *Agro-Economist: An International Journal*, 10(1): 17-24.
258. Kumar, P., Mehta, N., Abubakar, A., Verma, A., Kaka, U., Sharma, N., Qurni A., Pateiro M., Kumar M. and Lorenzo J.M. 2022. Potential alternatives of animal proteins for sustainability in the food sector. *Food Reviews International*, <https://doi.org/10.1080/87559129.2022.2094403>
259. Kumar, P., Sharma N., Narnoliya, L.K., Verma, A.K., Mehta, N., Bhavsar, P.P., Kumar, A., Lee, S.J. and Sazili, A.Q. 2023. Recent advances in invitro meat production. *Annals of Animal Science*, <https://doi.org/10.2478/aoas-2023-0061>
260. Kumar, R., Bakshi, P., Kumar, V., Kour, K., Sharma, R., Sharma, N., Sinha, B.K., Raina, V., Bhat, D.J. and Khajuria, S. 2022. Influence of different rootstocks on physico-chemical quality attributes of kinnow mandarin. *Agricultural Mechanization in Asia, Africa and Latin America*. 53(5): 7809-7813
261. Kumar, R., Bhushan, A., Samnotra, R.K., Tripura, U Sharma, S., Chheepa, M.S. and Hameedi, A. 2022. Evaluation of Cherry Tomato (*Solanum lycopersicum* var. *cerasiforme*) for Yield and Quality Traits under Protected Condition of Jammu and Kashmir. *Ecology, Environment and Conservation*. 28 (4) : 1-9
262. Kumar, R., Kumar, V., Bakshi, P., Sharma, R., Ahmad, S. and Mir, M. 2023. Assessment of morphological diversity of Kagzi lime (*Citrus aurantifolia* Swingle) genotypes in Jammu subtropics, Jammu and Kashmir (UT). *The Pharma Innovation Journal*. 12(4): 1821-1823
263. Kumar, R., Slathia, P.S., Peshin, R., Gupta, S.K., and Gupta, S.K. 2022. Factors affecting adoption of rapeseed- mustard production recommendation in Jammu region of Jammu & Kashmir, *Journal of Community Mobilization and Sustainable Development* 1. (Special Issue) 141-149
264. Kumar, S., Jacob, S. R., Mir, R. R., Vikas, V. K., Kulwal, P., Chandra, T., Kaur, S., Kumar, U., Kumar, S., Sharma, S., & Singh, R. (2022). Indian wheat genomics initiative for harnessing the potential of wheat germplasm resources for breeding disease-resistant, nutrient-dense, and climate-resilient cultivars. *Frontiers in Genetics*, 13, 8343-8366.
265. Kumar, S., 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*. 62(SI):64-67
266. Kumar, S., Sharma, A., Mondal, A.K., Sharma, V. & Rai, P.K. 2022a. Effect of organic inputs on nutrient status and quality of high density guava under organic management in north western plains of India. *Agricultural Mechanization in Asia, Africa and Latin America*, 53, 7891–7907.
267. Kumar, S., Sharma, U., Kumar, S., Pandey, A.K. and Bhardwaj, R.K. 2022. Studies on effect of vitrification techniques and ethylene glycol dimethyl sulphoxide- sucrose vitrification solution on recovery, morphology and viability in sheep. *Haryana Vet* 61(SI):64-67

268. Kumar, S., Sharma, U., Kumar, S. and Soodan, J.S 2022. Estrus induction and fertility in response to exogenous hormonal administration protocols in postpartum anestrous murrah buffaloes. *The Pharma Innovation Journal* .11(6):2412-2416.
269. Kumar, S.S., Wani, O.A., Mir, S.A., Babu, S., Sharma, V., Chesti, M.U.H., Baba, Z.A., Sofi, P.A., Wani, F.J., Dar, S.R., Singh, R. & Yadav, D. 2022b. Soil carbon dynamics in the temperate Himalayas: Impact of land use management. *Frontiers in Environmental Science*, 10, (At: <https://www.frontiersin.org/articles/10.3389/fenvs.2022.1009660>. Accessed: 10/12/2022).
270. Kumar, Sharad., Sharma, Utsav., Kumar and Sudhir and 2022. Effect of various hormonal protocols on biochemical profile in postpartum anestrous murrah buffaloes. *The Pharma Innovation Journal* 11(6):2400-2402.
271. Kumar, V., Kumar, R., Chand, G., Kumar, J., Singh, B., Dhotra, B., Khajuria, S., Gupta, S., Sharma, N., Sinha, A.K., Raina, V., Ahmad, S. 2022. Influence of trickle irrigation and hydrogel on Kinnow mandarin (*Citrus reticulata* Blanco) under rainfed condition. *Agricultural Mechanization in Asia*, 53 (7):9007-23.
272. Kumar, V., Kumar, R., Dhotra, B., Khajuria S. and Arora, R.K. 2022. Morpho-physiological and productivity characteristics of two leader cultivars of Karonda trees (*Carissa carandas* L.). *Annals of Plant and Soil Research*, 24(4):592-595.
273. Kumar, V., Kumar, R., Singh, V.B., Sinha, V.K., Singh, P., Raina, V. and Khajuria, S. 2022. Economic evaluation of Kinnow mandarin (*Citrus reticulata* blanco) as affected by drip irrigation and some antitranspirants under rainfed condition. *Indian Journal of Agriculture and Allied Sciences*, 8(4): 87-91.
274. Kumar, V., Sharma, K. R., Dhotra, B., Sharma, M. K., Khajuria, S., Banotra, M. and Sharma R. 2022. Soil aggregate and organic fractions in the foot hill Himalayas under different land use systems. *Agricultural Mechanization in Asia*. 53(4):7477-89.
275. Kumar, D., Kumar, A., Puniya, R., Sharma, V., Sharma, M. and Salgotra, R.K. 2022. Morphological characterization of resistant and susceptible biotypes of *Phalaris minor* in wheat growing Sub-tropics of Jammu. *The Pharma Innovation Journal* , 11(7): 2571-2575.
276. Kumar, P., Thakur, N.P. , Gupta, A.K. , Archana, 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. *Agricultural Mechanisation in Asia* 53(03).
277. Kumar, R., Bakshi, P., Kumar, V., Kour, K., Sharma, R., Sharma, N., Sinha, B.K. , Raina, V., bhat, D., Khajuria, S. 2022. Influence of different rootstocks on physico-chemical quality attributes of Kinnow mandarin. *Agriculture Mechanization in Asia* . Vol. 53, Issue 5 7809 – 7814.
278. Kumar, R., Kumar, V., Bakshi, P., Sharma, N., Sharma, R., Ahmad, S. and Mir, M. 2023. Assessment of morphological diversity of Kagzi lime (*Citrus aurantifolia* Swingle)

genotypes in Jammu subtropics, Jammu and Kashmir (UT). *The Pharma Innovation Journal* 2023; 12(4): 1821-1823.

279. Kumar,S., Choudhary, H K and Singh,A.A. 2022 .Identification of stable genotypes for grain yield and its components in mungbean (*Vigna radiata*). *Indian Journal of Agricultural Sciences* 92 (7): 847–52.
280. Kumar,V. and Chand, G. 2022. Impact of drip/trickle irrigation and hydrogel with mulch on nutrient status, yield and quality of Kinnow mandarin. *Journal of Soil and Water Conservation* 21(3): 293-298.
281. Kumar,V., Kumar,M., Khajuria,S., Sharma,V., Banotra,M., and Sharma,R. 2022. Soil Aggregate and Organic Carbon Fractions in the Foothill Himalayas under Different Landuse Systems. *Agricultural Mechanization in Asia, Africa and Latin America* .53 (04).
282. Kumar,V., Kumar,R., Chand,G., j Kumar,J., Singh,B., Dhotra,B., Khajuria,S., Gupta,S., Sharma,N., Sinha,AK, Raina,V., Ahamad,S. 2022, Influence of trickle irrigation and hydrogel on Kinnow mandarin (*Citrus reticulate* Blanco) under rainfed conditions. *Agriculture Mechanization in Asia* Vol. 53, Issue 7, 9007 – 9014.
283. Kumar,V., Kumar,R., Singh, V.B., SinhaB.K., Singh,P., Raina,V. and Khajuria,S. (2022), Economic evaluation of Kinnow mandarin (*Citrus reticulate* Blanco) as affected by drip irrigation and some antitranspirants under rainfed conditions. *Indian Journal of Agriculture and allied sciences* Vol. 8, No. 4, 87-91.
284. Kumari, S., Sharma, A., Bakshi, P.,Salogtra, R., Sharma, M., Gupta, V. and Rai, G.K. 2022. Characterization of acid lime genotypes using SSR markers. *Indian Journal of Horticulture*. 79(4): 394-401
285. Kumari, S., Sharma, A., Bakshi, P.,Salogtra, R., Sharma, M., Gupta, V. and Rai, G.K. 2022. Characterization of acid lime genotypes using SSR markers. *Indian Journal of Horticulture*. 79(4): 394-401.
286. Kumari, S., Sharma, A., Bakshi,P., Salgotra, R. K., Sharma, M., Gupta, V., Rai G.K. 2022. Characterization of acid lime genotypes using SSR markers. *Indian Journal of Horticulture*
287. Kumari, S., Sharma,A., Salgotra, R.K., Sharma,M., Gupta, V., Panotra ,N., Kour S and Singh,P. 2022. Variability analysis of seedling Grown Acid Lime Genotypes in the Foot Hills of North Western Himalayan Regions of India. *Agricultural Mechanization in Asia, Africa and Latin America*. 53 (5):7839-7851
288. 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. *Agricultural Mechanization in Asia*. 53(2): 6161-6171
289. 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. *Agricultural Mechanization in Asia*, 53(02): 6061- 6017.

290. Lal, M., Jamwal, M., Sood, Y., Bakshi, P., Sharma, N., Sahrma, S., and Kumar, S. 2022. Micropropagation of fruit crops: A Review. *Plant Science Today* (online), 10(1): 108–117.
291. Lalrinkima, Rahman, S., Sharma, A., Brar K., S. and Azmi, S. 2022. Pathomorphological study on bovine papilloma: A case report. *The Pharma Innovation Journal*, 11(11): 408-409
292. Lanzas T, Kumar M, Bhushan A, KumarS, Chopra S, Kumar S and Samnotra RK 2022. Influence of integrated nutrient management and sowing dates on growth, yield and quality of Broadbean (*Vicia faba*), *Vegetable Science*. 49 (1) : 62-68
293. Lanzas T, Kumar M, Bhushan A, KumarS, Chopra S, Kumar S and Samnotra RK 2022. Influence of integrated nutrient management and sowing dates on growth, yield and quality of Broadbean (*Vicia faba*), *Vegetable Science* 49 (1) : 62-68.
294. Lata, K., Kachroo, J., Sharma, M., Naqash, F., Gautam, K. and Sultan, A. (2022). Sericulture Enterprising as an Instrument for Generating Employment and Entrepreneurship among Women. The Indian Ecological Society, India. pp:263-264 DOI: <https://doi.org/10.55362/IJE/IESIC/2022/PROC>.
295. Lone, J. Shikari, A., Sofi, N., Ganie, S., Sharma, M., Sharma, M., Kumar, M., Saleem, M.H., Almaary, K.S., Elshikh, M.S., et al. 2022. Screening Technique Based on Seed and Early Seedling Parameters for Cold Tolerance of Selected F2-Derived F3 Rice Genotypes under Controlled Conditions. *Sustainability*, 14: 8447. <https://doi.org/10.3390/su14148447> (NAAS: 9.25)
296. Maanik, Bhat, D.J., Jasrotia, A., Bakshi, P., Sharma, R. and Lal, M. 2022. Propagation studies on Karonda (*Carissa carandus* L.) under Jammu sub-tropics. *Agriculture Mechanization in Asia, Africa and Latin America*. Vol 53(09): 9707-9716.
297. Mahajan, A., Kumar, A., Sharma, A., Isher, A.K., Sharma, J., Stanzen, L. and Kumar, R. 2022. Effect of Different Pre and Post Emergence Herbicides on Growth, Yield and Weed Indices in Urdbean Crop under Sub-tropical Conditions of Jammu. *Journal of Community Mobilization and Sustainable Development*, 17(2): 1-6.
298. Mahajan, A., Kumar, A., Singh, A.P., Shrama, A., Sharma, J., Kumar, R. and Stanzen, L. 2022. Effect of pre- and post-emergence herbicides on growth and nutrient uptake of weeds in urdbean (*Vigna mungo*) crop under Shivalik foothills plains of Jammu. *Indian Journal of Agronomy*. 67(1): 43-49.
299. Mahajan, K., Kumar, S., Bhat, Z. F., Naqvi, Z., and Jayawardena, R. 2022. Aloe vera and carrageenan based edible film improves storage stability of ice cream. *Applied Food Research*, 100128, <https://doi.org/10.1016/j.afres.2022.100128>
300. Mahajan, R., Salathia, P. S., Nanda, R., Gupta, S .K., Gupta, L. M., and Sharma, M., 2022. A Test to measure the Knowledge of Farmers about Lavender Cultivation. *Journal of Community Mobilization and Sustainable Development*. Vol.17(2).pp:01-04.
301. Mahajan, S., Singh, S. K. and Mahajan, D. 2023. Prevalence of chickpea wilt in Jammu sub-tropics. *Indian Journal of Ecology*, 50: 356-362.

302. Mahajan, T., Dutta,U., Singh, B. and Bandral, JD. 2022. Probiotic potential of lactic acid bacteria isolated from different sources of food and milk products. *Indian Journal of Agricultural Biochemistry*. 35(1): 71-78.
303. Mahajan, V., Raina, N.S., Gupta, M., Sharma, P. and Choudhary, P. 2023. Carbon Storage Potential and Allometric Models for in Forest Land use Systems in Sub-Tropics of Jammu. *Indian Journal of Ecology*. 50(2): 430-434.
304. Mahar,Y., Singh,S. P., Bhagat,G., Raut,Y., Singh,T., Singh,M., Verma,A., Sharma,S., and Kohli,P., 2022. An Economic Analysis of Market Availability and application of Hybrid Maize Seed in Rajouri district of U.T. of J&K. *Frontier in Crop Improvement*. Vol. 10:1593-1596 (special Issue-3).
305. Mahjan, S.,and Sharma, M., 2022. Profit of Rice Growers at National Level and Jammu region of J&K UT: Implications to doubling the Farmers Income. Special proceedings of 24th Annual Conference of Society of Statistics, Computer and applications. ISBN: 978-81-950383-0-5 Feb.23-27,2022. pp:1-17
306. Majeed, A., Guleria, S., Salaria, K.H., Sharma, N., Chaudhary, P. and Aiman, F., 2022 Antimicrobial activity of Rosmarinusofficinalis essential oil against Staphylococcus aureus and Bacillus subtilis. *The Pharma Innovation*. 11: 984-987.
307. Majeed, A., Guleria, S., Sharma, N., Salaria, K.H., Aiman, F., Singh, B. and Gupta, V.K. 2023. Antioxidant capacity and combinatorial antimicrobial effects of Nardostachysjatamansi essential oil with conventional antibiotics against some drug-resistant bacteria.*Current Research in Biotechnology*, 5: 100118.
308. Majeed, A., Johar, P., Raina, A., Salgotra, R.K., Feng, X. and Bhat, J.A. (2022). Harnessing the potential of bulk segregant analysis sequencing and its related approaches in crop breeding. *Front. Genet.* 13:944501. doi: 10.3389/fgene.2022.944501
309. Malakar, P., Gupta, M., Gupta, V., Thakur, N.P., Mali, N.L. and Kanwadiya, A. 2022. Effect of cultivars and fertility levels on yield and economics of pearl millet under rainfed condition of Jammu region. *The Pharma Innovation Journal*, 11(4): 1054-1059.
310. Malik, M.A., Faizal, S., Bilal, M.M., Langoo, A., Shukla, R.M.M.Reshi.M.,2023A low cost portable willow wicker peeling machine: an innovative mechanical intervention in the wickercraft industry of Kashmir. *Journal of Institution of Engineers Series A*, 104(2): 271-280.
311. Mamta, D., Sharma, K.R., Sharma, V., Ramphool, P., Samanta, A., Raina, N.S., Yadav, N.K., Singh, D.P. and Amjid, S. 2022. Soil Properties as Influenced by Different Land Use Systems Under Subtropical Region of Jammu. *International Journal of Plant & Soil Science*, 34, 119–124.
312. Mandeep Singh Azad, Chakraborty, D., Kour, K., Singh, S., D Kumar, Kumar, K., Koul, A.L., and Khajuria, V., 2022. Molecular characterization of inhibitor of apoptosis gene (IAP-1) in native chicken of Poonch region from international borders of India and Pakistan. *The Pharma Innovation Journal*, SP-11(6): 2859-2863.

313. Manhas, L., Pankaj, N.K., Verma, P.K., Rahman, S. 2023. Alarming Prevalence of Sulfaquinolone Residue in Poultry Meat Sold in Jammu Region of UT of J&K. *Indian Vet. Journal*. 100(3); 19-23
314. Manoj, B.S., Gupta, M., Jeelani, M.I and Gupta, S. 2022. Metabolic footprints of chitosan primed red kidney bean under restricted irrigation. *International Journal of Biological Macromolecules*. 208: 367-380.
315. Manoj, B.S., Gupta, M., Jeelani, M.I and Gupta, S. 2022. Chitosan augments bioactive properties and drought resilience in drought-induced red kidney beans. *Food Research International*. 159:111597. <https://doi.org/10.1016/j.foodres.2022.111597>
316. Mansoor, S., Khan, T., Farooq, I., Shah, L.R., Sharma, V., Sonne, C., Rinklebe, J. & Ahmad, P. 2022. Drought and global hunger: biotechnological interventions in sustainability and management. *Planta*, 256, 97.
317. Manzoor, M., Singh, J.& Gani, A. 2022. Exploration of bioactive peptides from various origin as promising nutraceutical treasures: In vitro, in silico and in vivo studies. *Food Chemistry*. 373: 131395
318. Mehta, A, Singh, S. K., Wani, O. A., Ahanger, S. A., Basu, U., Vaid, A., Sharma, S. Basandrai, A. K. 2023. Effect of abiotic factors on progress and severity of sheath rot (*Sarocladium oryzae*) in rice. *Journal of Phytopathology*: <https://doi.org/10.1111/jph.13183>.
319. 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 meteorological factors on the sheath rots development in rice. *The Pharma Innovation Journal*; 11: 1587-1591.
320. Mehta,A., Basandrai,A.K., Basandrai,D., Rana,V. and Singh,P. 2022. Identification of field relevant powdery mildew and yellow rust resistant donors in some advanced breeding material of wheat through GGE biplot analysis. *Indian Phytopathology*. Online published: 20 April 2022, DOI: 10.1007/s42360-022-00475-y
321. 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 (*Sarocladium oryzae*) in Jammu division. *The Pharma Innovation Journal*, 11(2): 31-35.
322. Menia, M., Sharma, B. C, Singh ,A. P., Kumar ,S., Arya,V.M., Sharma, M., and Vaid, A., 2022. Effect of Rice based Ultra High Intensity Cropping System Models on Energetics under Irrigated Sub-Tropics of Jammu. *Biological Forum- An International Journal*. 14(3):660-665
323. Menia, M., Sharma, B.C., Singh, A.P., Arya, V.M., Sharma, M.K., Kumar, S., Vaid, A., Gupta,V. and Sharma, N. 2022. Performance of diversified legume entailing ultra-high intensity rice based cropping system models for higher productivity, profitability and sustainability. *Legume Research* 49: 5-10.
324. Menia,M., Sharma, B.C., Singh, A.P., Arya, V.M. , Sharma,MK, Kumar,S., Vaid,A., Gupta,V., Sharma,N. 2022, Performance of Diversified Legume Entailing Ultra

High Intensity Rice based cropping system models for higher Productivity, Profitability and Sustainability. *Legume Research- an international Journal*; Volume 4960[1-5].

325. Menia, M., Sharma, B.C., Singh, A.P., Arya, V.M., Sharma, M.K., Kumar, S., Vaid, A., Gupta, V., Sharma, N., (2022), Performance of Diversified Legume Entailing Ultra High Intensity Rice based cropping system models for higher productivity, Profitability and sustainability. *Legume Research- an international Journal*; Volume 4960[1-5].
326. Mohd Azmi, S.I., Kumar, P., Sharma, N., Sazili, A.Q., Lee, S.J. and Ismail-Fitry, M.R. 2023. Application of plant proteinase in meat tenderization: recent trends and future prospects. *Foods*, 12(6): 1336
327. Monika Banotra, B. C. Sharma, Rakesh Sharma and Rohit Sharma. 2022 Impact of differential substitution of nutrients through organics on yield, nutrient uptake and economics of Basmati rice in irrigated Shivalik foothills of J&K, India. *Ecology, Environment & Conservation*. 28(3): 1619-1623
328. Monika Choudhary, Bupesh Kumar, Praveen Singh and Manmohan Sharma 2022. Diversity Analysis for Yield and its Contributing Traits in Rice Germplasm (*Oryza sativa* L.) Using Principal Component Analysis Approach. *International Journal of Environment and Climate Change*. 12(9): 143-150.
329. Mukhtar, Y., Mir, S. H., Shankar, U. and Rashid, S. 2022. Standardization and Evaluation of Coloured Sticky Traps and their Height against Onion Thrips (*Thrips tabaci* L.) *Indian Journal of Ecology* 49(5): 2013-2015. doi:10.55362/IJE/2022/3777.
330. Mungure, T., Mustafa. M. F., Carne, A., Staincliffe, M., Stewart, I., Jowett, T., Bhat, Z. F., and Bekhit, A. E. D. A. 2023. Understanding the influence of PEF treatment on minerals and lipid oxidation of wet- and dry-aged venison *M. longissimus dorsi* muscle. *Innovative Food Science and Emerging Technologies*, 10.1016/j.ifset.2022.103238.
331. Mushtaq, A., Sharma, V., Thappa, C. and Roy, P.S.D. 2023. Free radical scavenging efficacy of Zakhm-e-Hayat. *International Journal of Agricultural Sciences*, 19: 20-26.
332. Mushtaq, M., Agrawal, R., Bhat, M. A., and Pande, N. 2022. Susceptibility pattern in methicillin-resistant *Staphylococcus aureus* (MRSA) isolated from bovine mastitis. *Applied Veterinary Research*, 1(1), e2022003 <https://doi.org/10.31893/avr.2022003>.
333. Muslima, N., Mahajan, R., Sheikh, M., Rasool, S., Ahmad, M. R., Singh, R., Thakral, V., Kumar, V., Sofi, P. A., El-Serehy, H. A., Hefft, D. I., & Zargar, S. M. (2022). Identification of QTLs/ Candidate Genes for Seed Mineral Contents in Common Bean (*Phaseolus vulgaris* L.) Through Genotyping-by-Sequencing. *Frontiers in Genetics*, 13, 143.
334. Nabi, B., Upadhyay, S. R., Rasool, S., Rahman, J.U., Singh, R., Nabi, S., Sofi, A.M. and Sheikh, A. A. 2022. Insight to Antibiotic Resistance under One Health Banner- A Review *Indian Veterinary Journal*. 99 (6) – 7-15.

335. Nadia G., Ishfaq W., Rakeeb, M., Javaid, N., Shabana A., Renu G., Susheel V., Saima A. Plant growth promoting microorganisms mediated abiotic stress tolerance in crop plants: a critical appraisal. *Plant Growth Regulation*; 100:1, IF-4.64.
336. Nair, R and Dwivedi, S 2023. A Study on the Evolution & Functioning of E-NAM with special reference to J&K. *Agro Economist: An International Journal*, 10(1): 29-36.
337. Narinder Panotra, Vikas Sharma, R.K. Salgotra, Amrish Vaid, Vinod Gupta, Anil Bhat, Rohit Sharma and Vishal Raina (2022), Studies on organic weed management practices in Chickpea (*Cicer arietinum* L.) under subtropical agro climatic conditions of UT of J&K. *Agriculture Mechanization in Asia* .Vol. 53, Issue 11, 10469- 10475.
338. Narinder Panotra, Vikas Sharma, Romesh Kumar Salgotra, Amrish Vaid, Vinod Gupta, Anil Bhat, Rohit Sharma and Vishal Raina (2022), Studies on organic weed management practices in Chickpea (*cicer arietium* L.) under sub tropical agro climatic condition of UT of Jammu and Kashmir. *Agricultural Mechanization in Asia*; Volume 53, issue 11.
339. Naser, M., Ahamad, S., Sheikh SA, Pilla, A. and Tondan, P. (2023). Study on status of *Puccinia sorghi* Schw., incitant of maize rust in the mid hill region of Jammu, India. *The Pharma Innovation Journal* 2023; 12 (5): 831-835 .
340. Naser, M., Ahamad, S., Sheikh, SA, Pilla, A. and Tondan, P. (2023). Screening of maize germplasm against maize rust under natural field conditions in mid hill region of Jammu. *The Pharma Innovation Journal* 2023; 12(5): 1311-1314.
341. Nashiruddullah, N., Pathak, D.C., Ahmed, J.A., Begum, S.S., Barman, N.N. 2022. Dermal response to experimental Orf virus (ORFV) infection in goats, mice and rabbit. *Indian Journal of Animal Research*, 56(8): 1003-1009. 10.18805/IJAR.B-4266.
342. Nashiruddullah, N., Pathak, D.C., Barman, N.N., Ahmed, J.A., Borah, P., Begum, S.S. and Roychoudhury, P. 2022. Natural infection of goats with orf (contagious ecthyma) and its diagnosis. *Indian Journal of Animal Research*, 56(2): 192-200. 10.18805/IJAR.B-4267.
343. Nazim K, Godara R, Katoch R, Sofi OM, Yadav A and Singh NK. 2022. Status of ivermectin resistance in field isolates of *Rhipicephalus (Boophilus) microplus* (Acari: Ixodidae) ticks collected from north-western Himalayas, India. *Ticks and Tick-borne Diseases*. 13:101964.
344. Negi, D., Rashid, M., Singh, M., Malik, M.A., Sharma, H.K. 2022. Prevalence and associated risk factors of giardiasis in buffalo calves of nomadic communities, Jammu and Kashmir, India. *Buffalo Bulletin*. 41(3): 423-430
345. Nesar, N.A., Puniya, R., Bazaya, B. R., Sharma, V., Sinha, B. K., Dey, T. and Sharma, B. C., 2023. Effect of Rice straw on weed populations, biomass and yield of wheat under zero and conventional tillage practices. *Biological Forum- An International Journal*, 15(1):57-63. (NAAS 2023 Score: 5.11; Journal ID: B084; ISSN: 0975-1130).

346. Niharika,S., and Salgotra, R.K. 2022. Development and characterization of backcross inbred line population for yield attributing and grain quality traits in rice (*Oryza sativa* L.). *The Pharma Innovation Journal*, 11(12): 3755-3759
347. Nishu, S.,Bandrai, J.D., Gupta,N., Duwa and Choudhary, A., 2022. Effect of roasting on physico-chemical properties and bioactive components of brown rice, oats and flaxseed. *Agricultural Mechanization in Asia, Africa and Latin America*, 53(10): 9995-10003
348. Nissa T, Gupta M., Gupta S., Sharma V., Jeelani, M.I and Salgotra R.K. 2022. Nutritional and correlation study of fresh and dry *Agaricus bisporus* and *Pleurotus ostreatus*.*The Pharma Innovation Journal* 11(7): 135-138
349. Noopur, K, Samnotra R.K., Kumar, S and Singh, R.2022. Screening of okra (*Abelmoschus esculentus* (L) Moench) genotypes for resistance to yellow vein mosaic under agro-climatic conditions of Jammu, *Indian Journal of Hill Farming*, 35(1): 47-49
350. Noopur, K., Samnotra R.K., Kumar, S and Singh, R.2022. Screening of okra (*Abelmoschus esculentus* (L) Moench) genotypes for resistance to yellow vein mosaic under agro-climatic conditions of Jammu, *Indian Journal of Hill Farming*. 35(1): 47-49.
351. Noopur, K.,Samnotra, R. K. and Kumar, S. 2023. Influence of okra (*Abelmoshus esculentus*) genotypes on growth, yield and biochemical traits. *Indian Journal of Agricultural Sciences*.93(1): 57-61.
352. Noor, S., Kumar, S., Bhat, Z. F., and Kumar, A. 2022. Hemp seed protein and carrageenan based biodegradable composite film for food packaging applications. *Journal of Animal Research*,12(05): 01-06.
353. 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*, SP-11(3): 601-602
354. Pandey, Y., Khan, J. N. R.K. Singh and Dadhich, S. M. 2022. Estimation of irrigation return flow in sandy loam soil using water-balance approach: Irrigation return flow in sandy loam soil. *Journal of Agri Research*, 9 (3), 260-264.
355. Pandit, D., Singh, A. K., Singh, S. K. and Singh, V. B., Kumar, D., Khushboo, S. S. Abrol, S. and Kakraliya, S. S. 2022. Cultural variability in isolates of *Pyricularia oryzae* causing rice blast disease in Jammu region. *Agricultural Mechanization in Asia*. 53(08):9217-9225.
356. Pandit, D., Singh, A.K., Singh, S. K. and Singh, V. B. 2023. Effect of weather parameters on the development and progression of rice blast disease in Jammu plains. *Indian Phytopathology*. 76:89-94.
357. Pandit,D., Singh, A. K. , Singh, S. K. , Singh, V.B. , Kumar,D., Khushboo,S.S., Abrol,S. and Kakraliya,S.S. 2022. Cultural variability in isolates of *Pyricularia oryzae* causing rice blast disease in Jammu region. *Agricultural Mechanization in Asia*. 53(08): 9217-9225. NAAS-6.14
358. Panotra, N., Salgotra, R.K., Sharma, V., Vaid, A., Gupta, V., Bhat, A., Sharma, M. & Sharma, V. 2022a. Effect of age of seedlings and varieties on growth and yield parameters of transplanted wheat (*Triticum aestivum* L.) in irrigated sub-tropics of

- Jammu. *Agricultural Mechanization in Asia, Africa and Latin America*, 53, 10685–10690.
359. Panotra, N., Sharma, V., Jeelani, M.I., Gupta, R. & Raut, Y. 2022b. Plant Growth Analysis of Basmati Rice (*Oryza sativa* L.) as Affected by Application of Different Organic Nutrient Sources Under System of Rice Intensification. *Asian Journal of Agricultural Extension, Economics & Sociology*, 40, 798–803.
360. Panotra, N., Sharma, V., Salgotra, R.K., Vaid, A., Gupta, V., Bhat, A., Sharma, R. & Raina, V. 2022c. Studies on organic weed management practices in Chickpea (*Cicer arietinum* L.) under sub tropical agro climatic conditions of Union Territory of Jammu and Kashmir. *Agricultural Mechanization in Asia, Africa and Latin America*, 53, 10469–10476.
361. Panotra, N., Sharma, V., Sharma, J., Bhat, M. & Salgotra, R.K. 2022d. Transplanting wheat (*Triticum aestivum* L.) ecosystem under organic condition a new paradigm of crop establishment. *Annals of Forest Research*, 65, 2405–2414.
362. Panotra, N., and Kumar, A., 2018. Economics and influence of fertility levels on growth and yield of Indian mustard (*Brassica juncea* Coss) under irrigated condition. *International Journal of Chemical Studies* 2018; 6(2): 2324-2326.
363. Panotra, N., Salgotra, R.K., Sharma, V., Vaid, A., Gupta, V., Bhat, A., Sharma, M., and Sharma, V., 2022 Effect of age of seedlings and varieties on growth and yield parameters of transplanted wheat (*Triticum aestivum* L.) in irrigated sub-tropics of Jammu. *Agricultural Mechanization in Asia* Volume 53, Issue 12, December, 2022.
364. Panotra, N., Sharma, A., Bhat, M.I.J., and Sharma, R., Principal Component Analysis of Yield characteristics of wheat (*Triticum aestivum* L. emend Fiori & Paol) in intermediate zone of Jammu and Kashmir *International Journal of Chemical Studies* . 2018; 6(3): 320-325.
365. Panotra, N., Sharma, V., Sharma, J., Bhat M.I.J., and Salgotra, R.K., 2022 Transplanting wheat (*Triticum aestivum* L.) ecosystem under organic condition a new paradigm of crop establishment *Ann. For. Res.* 65(1): 2405-2414
366. Panotra, N., Sharma, V., Salgotra, R.K., Vaid, A., Gupta, V., Bhat, A., Sharma, R., and Raina, V., (2022) Studies on organic weed management practices in Chickpea (*Cicer arietinum* L.) under sub tropical agro climatic condition of UT of Jammu and Kashmir. *Agricultural Mechanization in Asia*; Volume 53, issue 11.
367. Parihar, N.S. Hakak, F.A. Ali, M. Sharma, S and Kumar S. 2022 Energetics and economics of apple production in district Shopian of Kashmir region: A case study. *The Pharma Innovation Journal* 2022; SP-11(1): 416-421 {NAAS: T050: 5.23}
368. Parihar, P. and Lahmo, J. 2022. Importance of agricultural marketing & pricing in India: An overview, *Journal of Community Mobilization & Sustainable Development* Vol. 2 (Seminar Special Issue) May 26-28, pp 553-558.

369. Parihar,N.S., Khar,S.,Sharma,S., Srivastava, R.K. and Kumar,S. 2022. Development of a motorized paddy thresher for hills. *Agricultural Mechanization in Asia, Africa and Latin America* 53(3) : pp 46-48.
370. Parihar,N.S., Khar,S.,Sharma,S., Srivastava, R.K. and Kumar,S. 2022. Effect of machine and operational parameters on performance of motorized paddy thresher suitable for hills. *Journal of Agricultural Engineering(ISAE)* 59(4): pp 320-332
371. Patyal,S., Kumar,B.,Salgotra,R.K., Kashyap,S., Sharma,V., Singh,P., Singh,V.B., Sudan, R.S.,and Kohli,S., 2022. Genotyping of advanced rice breeding lines for bacterial blight resistance and semi-dwarf genes under sub-tropical region of J&K. *Agricultural Mechanization in Asia*. 53(4): 7463-7470.
372. Patyal,S.,Kumar,B., Salgotra, R.K.,Kashyap,S., Sharma,V., Singh,P., Singh,VB, Sudan, R.S. and Kohli,S.2022. Genotyping of advanced rice breeding lines for bacterial blight resistance and semi-dwarf genes under sub-tropical region of J&K. *Agricultural Mechanization in Asia*. 53(4): 7463-7470
373. Peshin, R., Hansra, B.S., Nanda, R., Singh, K., Sharma, R., Bajiya, M.R. and Kumar .R. 2022. Impact of integrated pest management farmer field school programs in the subtropics of Jammu and Kashmir, India, *International Journal of Pest Management*, 1-16. <https://doi.org/10.1080/09670874.2022.2111617>
374. Peshin, R., Singh, K., Garg, L., Hansra, B.S., Nanda, R. and Sharma, R.2023. Impact evaluation of rice integrated pest management dissemination programs on adoption and pesticide use in Punjab, India. *International Journal of Tropical Insect Science*, 1-12 [dio.org/10.1007/s42690-023-00994-9](https://doi.org/10.1007/s42690-023-00994-9)
375. Peshin, R., Singh, K., Hansra, B.S., Sharma, R., Nanda, R., Singh, N., Garg, L. and Yangsdon, S. 2022.[Long-term impact of cotton insecticide resistance management programme: A case study from Punjab, India](#),*Indian Journal of Ecology*,49 (5) (SI): 1968-1979
376. Pooniya, S., Kour, S., Kour, K.,Gora, R., Choudhary, A and Todawat, A. 2022. Distribution of silicon in rice growing soils of Jammu plains in relation to some physioco-chemical properties. *The Pharma Innovation Journal*.SP-11 (6):915-923.
377. Prateeksha, P., Sharma, V.K., Singh, S.M., Sharma, M.,Diwan, D., Hesham, A.E.L., Guleria, S., Nguyen, Q.D., Gupta, V.K. and Singh, B.N. (2023). Tetrahydrocannabinols: potential cannabimimetic agents for cancer therapy. *Cancer Metastasis Rev.* <https://doi.org/10.1007/s10555-023-10078-2>
378. Priyanka K., Sajid K., Ishfaq W., Renu G., Susheel V.,* Pravej., A and Abdullah, A. Unraveling the Role of Epigenetic Modifications in Development and Reproduction of Angiosperms: A Critical Appraisal *Frontiers in Genetics* 2022; 13: 819941. IF-4.59
379. Qadir, J., Gupta, R.K., Bali, K., Sharma, M. and Gupta, S.K. 2022. Impact of Sericin fortified mulberry leaves on the cocoon traits of silkworm *Bombyx mori* L. *The Pharma Innovation Journal*,11(10): 1519-1522.

380. Quratul ain Binte Syed, Sandeep Sehgal, K.K. Sood and N.S. Raina. 2022. Effect of canopy management practices on growth characteristics of *Melia composita*. *Indian Journal of Ecology* 49(5) (SI): 1901-1903
381. R. S. Bochalya , A. K. Gupta, N. P. Thakur, R. Puniya, P. Kumar, Deepak kumar and Swati Mehta (2022). Residual Effect of Fertility Levels, Biofertilizer and Foliar Nutrition on Yield And Yield Attributes of Summer Blackgram (*Vigna mungo* L.) In Wheat blackgram Cropping System under Subtropical Conditions in Jammu. Legume Research. DOI:10.18805/LR4843.
382. Rafiq, R. and Parihar, P. 2022. Constraints perceived by the farmers using farm mechanization under farm machinery banks (FMB's) in Jammu division of Jammu and Kashmir, *Journal of Community Mobilization & Sustainable Development*. 2 (Seminar Special Issue) 432-436
383. Rafiq, R., Parihar, P., Slathia, P.S., Dolma, T., and Yadav.,S.2022. Adoption of agricultural machinery through farm machinery banks (FMBS) under sub mission on agricultural machanization (SMAM) in Jammu division of Jammu and Kashmir, *Journal of Community Mobilization and Sustainable Development*. Vol.17 (4), 1061-1066.
384. Rafiq, S., Bandral, R.S., Ganai, S.A., Akbar, R., Rashid, S., and Jan, R. 2022. Study onthe evaluation of toxicity of *Nerium indicum* (M.) against cabbage butterfly, *Pieris brassicae* (L.) (Lepidoptera: Pieridae). *Biological Forum – An International Journal*, 14(1): 356-361.
385. Rahmat Gul, Meenakshi Gupta, Sarabdeep Kour, BC Sharma, Rajeev Bharat and Shubham Jamwal (2023) Influence of Zinc and Ironnutrition on growthand quality of Wheat (*Triticum aestivum* L.) in Shiwalik foot hills, *The Pharma Innovation Journal*, 12 (3): 4325-4328
386. Rai, S.K. and Jat,L. 2022.Genetic diversity studies for drought tolerance among various genotypes of *Brassica juncea* L. using SSR markers. *The Pharma Innovation Journal* 2022; 11(6): 1627-1630.
387. Rai,G.K., Bhat,B.A., Mushtaq,M., Tariq,L., Rai,P.K., Basu,U., Dar,A.A., Islam,ST., Dar,TUA, Bhat,J.A. 2021. Insights into decontamination of soils by phytoremediation: A detailed account on heavy metal toxicity and mitigation strategies. *Physiologia Plantarum*. 1-18. DOI: 10.1111/ppl.13433
388. Raina, S., Shankar, U. and Sharma, D. 2022. Population dynamics of aphids (*Chaetosiphonfragaefolii*Cockerell) on strawberry.*The Pharma Innovation Journal*, 11(7): 1109-1112.
389. Raina, S., Shankar, U. and Sharma, D. 2022. Population dynamics of aphids (*Chaetosiphonfragaefolii*Cockerell) on strawberry.*The Pharma Innovation Journal*, 11(7): 1109-1112.
390. Raina, S., Shankar, U.,Sharma, D., and Mukhtar, Y. 2022. Bio-efficacy of insecticides against aphids (*Chaetosiphonfragaefolii*) on strawberry *The Pharma Innovation Journal*, 11(7): 3680-3683.

391. Raina, S., Shankar, U., Sharma, D., and Mukhtar, Y. 2022. Bio-efficacy of insecticides against aphids (*Chaetosiphon fragaefolii*) on strawberry. *The Pharma Innovation Journal*, 11(7): 3680-3683.
392. Raina, V., Nath, A.K., Sharma, S., Kotwal, N., Sharma, R., Sharma, M. K., Kumar, S. Kumar, V., Sharma, V., Jamwal, M., Kumar, R., Wali, P. 2022. Promising pureline selection of Bhaderwah Rajmash (*Phaseolus vulgaris*) and its molecular characterization. *Agricultural Mechanization in Asia, Africa and Latin America*. 53(04): 7535-7543.
393. Raina, V. Nath, A.K., Sharma, S., kotwal, N., Sharma, R., Sharma, M.K., Kumar, S., Kumar, V., Sharma, V., Jamwal, M., Kumar, R., Wali, P. 2022. Promising pureline selection of Bhaderwah Rajmash (*Phaseolus vulgaris*) and its molecular characterization. *Agriculture Mechanization in Asia* 7535- 7543.
394. Raina, V., Sharma, M., Singh, A.K., Vaid, A., Pannotra, N., and Kumar, R., 2022. Impacts of Changing Climate and Climate Variability on Seed Production under ICAR Seed project at SKUAST Jammu. *Journal of community Mobilization and Sustainable Development*. Vol. (2) (Seminar Special Issue) May 26-28, 2022: pp 383-386
395. Raina, V., Sharma, M., Singh, A.K., Vaid, A., Pannotra, N., and Kumar, R. 2022. Impacts of Changing Climate and Climate Variability on Seed Production under ICAR Seed project at SKUAST Jammu. *Journal of Community Mobilization and Sustainable Development*. Vol. (2) (Seminar Special Issue): 383-386.
396. Raina, V., Sharma, M., Singh, A.K., Vaid, A., Pannotra, N. and Kaur, R.. 2022. Impacts of Changing Climate and Climate Variability on Seed Production under ICAR Seed project at SKUAST Jammu. *Journal of Community Mobilization and Sustainable Development*. Vol. (2) (Seminar Special Issue) May 26-28, 2022: pp 383-386.
397. Rajeev, B., Gupta, V., Gupta, M., and Rai, S.K. 2022. Effects of different sowing schedules and planting geometry on yield and productivity of Brassica Juncea L. *Bangladesh Journal of Botany*. 51(3):631-635.
398. Rani S., Sharma, A., Sharma, M. and Sharma, M. 2022. Selection of seedling pecan [*Carya illinoensis* (Wang) K. Koch.] trees for better nut and kernel quality characters. *The Pharma Innovation Journal* 11(6): 1464-1467.
399. Rani, M. Bandral, J D. Sood, M. Sharma, S. Gupta, S. and Chand, G. 2022. Effect of germination on physico-chemical and antinutritional factors of oats flour. *The Pharma Innovation Journal* 2022; 11(6):
400. Rani, M. Bandral, J.D., Sood, M., Sharma, S. Chand, G. and Gupta, S. 2022. Effect of various processing techniques and storage on the physico-chemical and functional characteristics of barely four. *Agricultural Mechanization in Asia, Africa and Latin America*, 53(11): 10429-10450.
401. Rani, M., Kumar, S., Samnotra, R. K., Rattan, P Salgotra, R. K. and Kumar, M. 2022. Graphical Analysis (Vr-Wr) for fruit yield and its component traits in eggplant, *Indian Journal of Ecology*, 49(5) (SI): 1917-1920

402. Rani, S., Gupta, S. and Singh, S.K. 2022. Integration of fungicides, bioagents and plant extracts for the management of turicum leaf blight of maize caused by *Exserohilum turicum*. *The Pharma Innovation Journal*, 11: 1717-1721.
403. Rani, S., Sharma, A., Kour, K. and Sharma, M. 2022. Assessment and exploitation of genetic divergence in pecan nut. *Indian Journal of Horticulture* 79(3):266-272
404. Rani, S., Sharma, A., Kour, K., Sharma, M.K., Sharma, M. and Gorka, S. 2022. Studies on variability in seedling tree population of Pecan nut [*Carya illinoensis* (Wang) K Koch.] for nut and kernel characteristics in Jammu and Kashmir. *Agricultural Mechanization in Asia, Africa and Latin America* (AMA), 53(05): 8105-8111 .
405. Rani, S., Sharma, A., Sharma, A., Kour, K. , Sharma, M. K., Sharma, M. and Gorka, S. 2022. Studies on variability in Seedling tree Population of Pecan nut [*Carya illinoensis* (Wang) K Koch.] for nut and kernel characteristics in Jammu and Kashmir. *Agricultural Mechanization in Asia, Africa and Latin America*. 53(06): 8173-8178
406. Rani, S., Sharma, A., Sharma, M.K. and Sharma, M. S. 2022. Selection of seedling pecan [*Carya illinoensis* (Wang) K Koch.] trees for better nut and kernel quality characteristics. *The Pharma Innovation Journal*, 11(6):1464-1467.
407. Rani, M. Bandral, J. D., Sood, M., Sharma, S., Chand, G. and Gupta, S. 2022. Effect of various processing techniques and storage on the physico-chemical and functional characteristics of barley flour. *Agricultural Mechanization in Asia, Africa and Latin America*, 53(11): 10429-10450.
408. Rani, M. Bandral, J. D., Sood, M., Sharma, S., Gupta, S. and Chand, G. 2022. Effect of germination on physico-chemical and anti-nutritional factors of oats flour. *The Pharma Innovation Journal*, 11 (6): 1424-1428.
409. Rani, M. Bandral, J. D., Sood, M., Sharma, S., Chand, G. and Gupta, S. 2022. Effect of various processing techniques and storage on the physico-chemical and functional characteristics of barley flour. *Agricultural Mechanization in Asia, Africa and Latin America*, 53(11): 10429-10450.
410. Rani, M. Bandral, J. D., Sood, M., Sharma, S., Gupta, S. and Chand, G. 2022. Effect of germination on physico-chemical and anti-nutritional factors of oats flour. *The Pharma Innovation Journal*, 11 (6): 1424-1428.
411. Rani, M. Bandral, J. D., Sood, M., Sharma, S., Gupta, S. and Chand, G. 2022. Effect of germination on physico-chemical and anti-nutritional factors of oats flour. *The Pharma Innovation Journal*, 11 (6): 1424-1428.
412. Rashid A, Laishram N, Singh A, Pandey RK and Dogra S. 2022. Conjoint application of INM Modules on vegetative, flowering and seed yield in French marigold. *International Journal of Plant and Soil Science* 34(4): 26-34.
413. Rashid A, Singh A, Laishram N, and Pandey R.K. 2022. Nutrient status and yield of marigold as influenced by application of spent mushroom compost, biofertilizers and monopotassium phosphate (MKP) foliar application. *International Journal of Plant and Soil Science*. 34 (22): 1077-1083

414. Rashid A, Singh A, Laishram N, and Pandey RK. 2022. Yield potentiality and economic profitability as influenced by conjoint application of spent mushroom compost, biofertilizers and monopotassium phosphate (MKP) in marigold. *International Journal of Plant and Soil Science* 34(2): 1150-1157
415. Rashid, S., Mir, S. H., Gupta, R. K., Rafiq, S., Ashraf, S. and Mukhtar, Y. 2022. Relative Abundance of Mustard Aphid *Brevicoryne brassicae* (Homoptera: Aphididae) on Mustard, *Brassica juncea* (L.). *Indian Journal of Ecology*,49(5): 1996-1999.
416. Rashid,S., Mir,S.H.,Gupta, R.K., Rafiq,S., Ashraf,S., and Mukhtar,Y., 2022. Relative Abundance of Mustard Aphid *Brevicoryne brassicae* (Homoptera: Aphididae) on Mustard, *Brassica juncea* (L.).*Indian Journal of Ecology*,49(5): 1996-1999.
417. Rashool,B., Vaid,A., Ravishankar, L.V, Singh, S.K, Singh, V.B 2023.Evaluation of rice germplasm against grain discoloration for sub-tropics of Jammu. *International Journal of Food Science and Nutrition*; Volume 1: 14-19.
418. Rasool,B., Vaid,A., Ravishankar,L.V., Singh,S.K., Singh,V.B., (2023), Evaluation of Rice germplasm against grain discoloration for sub-tropics of Jammu. *International Journal of Food Science and Nutrition*; Volume 8 (1)14-19.
419. Reddy, S.B., Srinivasarao, C., Rao, P.C., Lal, R., Rakesh, S., Kundu, S., Singh, R.N., Dubey, P.K., Abhilash, P.C., Venkateswara Rao, K. and Abrol, V., 2023. Greenhouse gases emissions and agronomic productivity as influenced by varying levels of N fertilizer and tank silt in degraded semi-arid Alfisol of Southern India. *Land Degradation & Development*, 34(4):.943-955.
420. Reena, Gupta,V., Singh, A.P., Kumawat, P., Sinha, B.K., Jha, A.C., Jamwal,W., Singh,P., Singh,B., Kumar,J., Rai,A.P., Sharma,R.and Kumar,V. 2022. Succession of pea insect pests and their natural enemies in rainfed sub tropics of Jammu and Kashmir region of N-W Himalayas. *Agricultural Mechanization in Asia*. 53(08): 9337-9344.
421. Renuka, Kour, S., Sharma, V., Gupta, M. & Sharma, D. 2022. Mapping of soil macronutrients under major land use systems in district Rajouri of Jammu and Kashmir using GIS. *Journal of Soil and Water Conservation*, 21, 133–141.
- 422. Research Publications 2022-23**
423. Rigzin,D., Bhat,A., Kachroo ,J., Sharma,M.,Sharma, B.C., Bhushan, B., and Sharma,M. 2021. Economic Sustainability of Vegetable Growers in Jammu Region of Jammu and Kashmir Union Territory. *International Journal of Agriculture, Environment and Biotechnology*. 14(03): 329-334.
424. Rigzin,D., Bhat,A., Kachroo ,J., Sharma,M.,Sharma, B.C., Bhushan, B., and Sharma,M., (2021). Socio-economic Status of Vegetable Growers in Jammu Region of Jammu and Kashmir Union Territory. *International Journal of Social Sciences*: 10(02): 191-196
425. Roy,P.S.D., Sharma, V., Thappa, C. and Mushtaq, A..2023. Fermentation based bio-fortification of Jamun juice using the probiotic bacteria *Lactobacillus acidophilus*. *International Journal of Agricultural Sciences*, 19: 66-70.

426. Sagar, R., Saxena, A., Kumar, S. and Kumar, S. 2022. Studies on fetal dystocia due to deviation of head and neck in dairy animals. *Haryana Vet*, 61(SI): 99
427. Saharan, V., Pathak, A. K., Sharma, R. K., and Kumar, H. 2022. Influence of Psidium guajava leaf meal supplementation on production performance, biochemical profile and immune response of broiler chickens. *International Journal of Scientific Development and Research (IJS DR)*, 7: 496.
428. Saharan, V., Pathak, A. K., Sharma, R. K., Sharma, N., Sarma, K. and Kumar, H. 2022. Influence of Psidium guajava leaf meal supplementation on growth performance, nutrient utilization, intestinal micrometry, caecal fermentative metabolites and microbiota of broiler chickens. *Animal Nutrition and Feed Technology*, 22: 367-381.
429. Sajad, S., Singh, J., Gupta, N., Sharma, S., Sharma, M., Sharma, V. and Shankar, U. 2023 Physico chemical color profile total phenol content of freeze-dried oyster mushroom (*Pleuro ostreatus*). *The Pharma Innovation*, 12(2): 2076-2078.
430. Sakina A, Mir S, Najeeb S, Zargar SM, Nehvi FA, Rather ZA, Salgotra, RK., Shikari, AB (2020). Improved protocol for efficacious in vitro androgenesis and development of doubled haploids in temperate japonica rice. *PLoS ONE*, 15(11)e0241292. <https://doi.org/10.1371/journal.pone.0241292>.
431. Salaria, K.H., Guleria, S., Majeed, A., Choudhary, P. and Aiman, F. 2022. Augmentation of polyphenol content and bioactive property of *O. sanctum* (Leaf) Methanolic extract using *Lactobacillus plantarum* (MTCC-1407). *The Pharma Innovation*. 11: 1061-1065.
432. Salathia, A. Sharma, M., Gupta, R., Sharma, M. and Sharma, S., 2022. Effect of Varying Concentrations of Growth Regulators on Micro Propagation of Ginger. *Journal of Community Mobilization and Sustainable Development* Vol. 17(4), 1065-1070.
433. Salgotra, R.K. and Chauhan, B.S. (2023). Genetic Diversity, Conservation, and Utilization of Plant Genetic Resources. *Genes* 2023, 14, 174. <https://doi.org/10.3390/genes14010174>.
434. Sandhu, R., Singh, B., Delvadiya, I. R., Pandey, M. K., Rai, S. K. and Attri, M. 2023. Genetic analysis of grain yield and its contributing traits in four bread wheat (*Triticum aestivum* L.) using six parameter model. *Electronic J. of Plant Breeding*, 14(1): 154-159.
435. Sarma, K., Sasan, J.S. and Suri, S. 2022. Gross morphology and biometry of the lungs of Indian fruit bat (*Pteropus medius*). *Indian Journal of Veterinary Anatomy*, 34(2): 141-143
436. Sarma, K., Suri, S. and Sasan, J.S. 2022. Gross anatomical studies on the tibia and fibula of rhesus monkey (*Macaca mulatta*). *Indian Journal of Veterinary Anatomy*, 34(1): 69-71.
437. Sasan, J.S., Suri, S. and Sarma, K. 2022. Anatomical studies on the reticulum and reticular groove of non-descript goats of Jammu region. *Journal of Animal Research*, 12(3): 363-370

438. Sasan, J.S., Suri, S. and Sarma, K. 2023. Histomorphometrical and histochemical studies on the glandular stomach (proventriculus) of Poonchi bird of Union territory of Jammu and Kashmir. *AATCC Review*, 11(2): 246-251.
439. Sassan, R. S., Tikoo, A., Nabi, B., Dogra, S. and Agrawal. R. 2022. Epidemiological factors related to lameness in dairy cattle. *Haryana Veterinarian*, 61 (SI-2):24-27
440. Sawhney, A., Kushwaha, R.B. and Thakur, B. (2022). Surgical management of contracted flexor tendons in the forelimbs of two cow calves. *Haryana Vet* 61(2):313-315.
441. Sehgal, S., Kumar, A., Sood, K.K. and Raina, N.S. 2022. Documentation of medicinal plants used for the treatment of hypertension in Jammu Division of Jammu and Kashmir. *Journal of Community Mobilisation and Sustainable Development*. Volume 1 (special issue). 285-288.
442. Sethi, L., Suri, S., Sarma, K. and Sasan, J.S. 2022. Anatomical studies on the gall bladder of bakerwali and non-descript goats of union territory of Jammu and Kashmir, India. *Exploratory Animal and Medical Research*, 12(2): 292-298.
443. Shafi, I., Gani, M., Shafi, S., Hassan, T., Mantoo, M.A., Bali, K. and Gupta, R.K. 2022. The potential role of long non-coding RNAs and micro RNAs in insects: From junk to luxury. *Eurasian Journal of Molecular and Biochemical Sciences*, 1(1): 28-37.
444. Shah AH, Laishram N and Singh A. 2022. Profitability of annual chrysanthemum (*Chrysanthemum coronarium* L.) flower production as influenced by application of mycorrhiza and vermicompost. *International Journal of Environment and Climate Change*. 12(10):648-654
445. Shah AH, Singh A, Laishram N and Gill K 2022. Income generation through value addition of flower crops: A review. *International Journal of Environment and Climate Change*. 12(10):593-613
446. Shah, A.H., Laishram N and Singh A. 2022. Effect of mycorrhizal and vermicompost application on growth and quality flower production of annual chrysanthemum (*Chrysanthemum coronarium* L.). *International Journal of Plant and Soil Science*. 34(17): 114-123
447. Shah, R.A., Bakshi, P., Jasrotia, A., Itoo, H. and Gupta, R. 2022. Bio-chemical composition of some walnut (*Juglans regia* L.) genotypes of North-Western Himalayan region. *Bangladesh Journal of Botany*. 51(1): 93-101
448. Shah, R.A., Bakshi, P., Jasrotia, A., Wali, V.K., Sharma, S., Gupta, M., Gupta, R.K. and Jamwal, M. 2023. Comparative morpho-molecular characterization of elite walnut variety Parbat (JWSP-06) with local selections of north-western Himalayan region of Jammu and Kashmir, India. *Scientia Horticulture*. 319:112176.
449. Shah, R.A., Bakshi, P., Jasrotia, A., Itoo, H., Padder, B.A., Gupta, R., Kour, G. and Dolkar, D. 2023. Morphological to Molecular markers: Plant genetic diversity studies in walnut (*Juglans regia* L.)- A Review. *Erwerbs-Obstbau*. <https://doi.org/10.1007/s10341-023-00892-x>
450. Shamim, J., Ansari A. P., Goswami, P., Akbar, S., Ansari, H., Wadud, A. and Dar P. A., 2023. Protective effects of Hydro-alcoholic extract of the roots of Kasondi (*Cassia occidentalis* L.) against gentamicin-induced nephrotoxicity in albino Wistar rats. *Cell Med*, 13(6): e5 doi: <http://dx.doi.org/10.5667/CellMed.2023.005>

451. Shams, R, Singh, J., Dash, K. K & Dar, H. A. 2023. Utilization of button mushroom (*Agaricus bisporus*) powder to improve the physiochemical and functional properties of cookies. *Sustainable Food Technology*, 1(2): 306-318
452. Shams, R, Singh, J., Dash, K. K., Dar, H. A. and Panesar, S. P. 2023. Evaluation of cooking characteristics, textural, structural and bioactive properties of button mushroom and chickpea starch enriched noodles. *Journal of Food Science and Technology* ,1-11
453. Shams, R., Singh, J.& Dar, A. H. 2022. Assessment of shelf stability of noodles fortified with button mushroom and chickpea starch. *Journal of Postharvest Technology*. 10(1), 122-133
454. Shams, R., Singh, J., Dash, K. K., & Dar, A. H. (2022). Comparative Study of Freeze Drying and Cabinet Drying of Button Mushroom. *Applied Food Research*, 100084
455. Shams, R., Singh, J., Dash, K. K., Dar, H. A. and Kovacs, B. 2023. Effect of Maltodextrin and Soy protein Isolate on Physico-chemical and Flow properties of Button Mushroom Powder. *Frontiers in Nutrition*, 1029.
456. Shankar, U. and Mukhtar, Y. 2023. Pest management practices impact *Helicoverpa armigera* infestation and foraging behaviour of pollinators in sunflower. *International Journal of Pest Management*. Doi:20.1080/09670874.2023.2216667
457. Shankar, U. and Mukhtar, Y. 2022. Diversity and Foraging Behaviour of Pollinators on *Sesamum indicum* L. *Indian Journal of Ecology*, 49(5): 984-988. doi:10.55362/IJE/2022/3771
458. Shankar, U. and Dwivedi, S. 2022. Success Stories of Resource Utilization and IPM Interventions of Vegetable Growers. *Agro Economist - An International Journal*, 9(1): 9-13.
459. Sharma ,M., Gupta ,R., Bhat, A., Bhat ,M.I.J., and Sharma, S., 2022. Price Model for Summer and Winter Tomato Crop through Discriminant function. *Journal of Community Mobilization and Sustainable Development*. Vol.1(SS1),pp:237-245.
460. Sharma ,M., Sharma,M., Singh, A. K. , Salgotra, R.K., Sharma, M., Sharma,BK, and Gupta, S.K. 2022. *In Vitro* Double Haploid Production of Bacterial Blight Resistant Plants from BC2F1 Plants (*RanbirBasmatix* Pau148) through Anther Culture. *International Journal of Agriculture System* Vol.10 Issue 1 Page 55-71.
461. Sharma P, Verma PK, Sood S, Yousuf R, Kumar A, Raina R, Shabbir MA, Bhat ZF. (2023) Protective Effect of Quercetin and Ginger (*Zingiber officinale*) Extract against Dimethoate Potentiated Fluoride-Induced Nephrotoxicity in Rats. *Foods*. 12(9):1899.
462. Sharma S., Katoch R., Upadhyay S.R. and Singh R. 2022. Comparative haemato-biochemical profile of induced ancylostomiasis in healthy and diabetic murine model. *Experimental Parasitology*. 240 108334
463. 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.

464. 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.
465. Sharma, A., Bandral, R. S., Sharma, P., Gupta, R. K.,Bali, K., Shankar, U., Sharma, S. and Pandey,R. K. 2022. Effect of drone brood and protinex fortification on feeding indices of silkworm, Bombyx mori L. *The Pharma Innovation Journal*, SP 11(8): 285-289.
466. Sharma, A., Gupta, R., Kumar, R and Slathia ,P.S. 2023. Determinants influencing adoption of improved sericulture practices in Jammu. *Current Horticulture*. 11 (1):64-65.
467. Sharma, A., Kachroo, D., Puniya, R., Stanzen, L. 2022. Weed Dynamics and Productivity of French Bean (*Phaseolus vulgaris* L.) as Influenced by Organic Sources of Nutrients and Weed Management. *Legume research - an international journal*, DOI - 10.18805/LR-4828.
468. Sharma, A., Bandral, R. S., Sharma, P., Gupta, R. K., Bali, K., Shankar, U., Sharma, S. and Pandey, R. K. 2022. Effect of drone brood and protinex fortification on feeding indices of silkworm, Bombyxmori L. *The Pharma Innovation Journal*, 11(8): 285-289.
469. Sharma, A., Gupta, R. K., Sharma, P., Qadir, J., Bandral, R. S., and Bali, K. 2022. Technological innovations in sericulture. *International Journal of Entomology Research*, 7(1): 73-80.
470. Sharma, B.C., Slathia, P.S., Kumar, R., and Paul,P.2022. Indigenous storage of food grains and Seeds in mid-hills of Jammu division, Jammu and Kashmir. *Indian Journal of Traditional Knowkedge*. Vol 21(4), October, pp 1-5
471. Sharma, D., Sharma, V.K. and Sharma, N. 2022. Use of indigenous technical knowledge by dairy farmers of Jammu region vis-a-vis animal husbandry practices. *Journal of Animal Research*, 12(4): 557-560
472. Sharma, D., Sharma, V.K. and Sharma, N.2022. Feeding practices in plain rural areas of Jammu region. *Journal of Animal Research*, 12(5): 803-806.
473. Sharma, I., Sharma, N., Bakshi, P.,Jamwal, M., Jasrotia, A., Bhat, D.J. and Singh, V.B. 2022. Diversity assessment of seedling origin guava (*Psidium guajava* L.). *Agricultural Mechanization in Asia, Africa and Latin America*. 53(7): 8807-8814
474. Sharma, J., Gupta, S., Vaid, A., Singh, R. and Gupta, M. 2022. Morphological characterization of wild edible fungi collected from district Kathua of Jammu region. *The Pharma Innovation*. 11(6): 1847-1850
475. Sharma, J., Gupta, S., Vaid, A., Singh, R. and Gupta, M. 2022. Morphological characterization of wild edible fungi collected from district Kathua of Jammu region. *The Pharma Innovation*. 11(6): 1847-1850
476. Sharma, J., Sharma, B.C., Bharti, V., Kumar, R., Sharma, A. and Jamwal, S. 2022. Novel resource conservation technologies for increasing the production and

productivity of rice-wheat cropping system in Indo-Gangetic plains of India. *Journal of Eco-friendly Agriculture*, 17(2): 235-242.

477. Sharma, K., Zama M.M.S., Hussain, K., Bhardwaj, H.R. and Kumar.A. 2023. Haemato-Biochemical Variables Including Acute Phase Proteins as Prognostic Indicators in Intestinal Intussusception in Cattle. *Ruminant Science* 12(1): in press
478. Sharma, K.L., Lal, M., Chary, G.R., Reddy, K.S., Indoria, A.K., Srinivas, K., Singh, V.K., Chandra Sekhar, C., Singh, A.P., Abrol, V. and Sharma, A .2022. Long Term Effects of Conjunctive Nutrient Management Practices on Soil Quality in Maize (*Zea m ays*)–Mustard (*Brassica compestris* var. sarson) Rotation under Rainfed Hill Inceptisol Soils. *Communications in Soil Science and Plant Analysis*, 53(4): 439-452.
479. Sharma, M, R Gupta, Anil Bhat Mij Bhat and Sushil Sharma (2022) Price model for Summer and Winter Tomato Crop through Discriminant Function. *The community Mobilization and Sustainable Development* (2022):Volume 1 (Seminar Special Issue) May 26-28, pp237-245 {NAAS: J171: 5.67 }
480. Sharma, M., Chandran, U.S.S., Rani, U., Singh, S. K., Basandrai, A.K.,Basandrai, D. 2023. Stability and Suitability of Genotypes and Environment to Ascochyta Blight of Chickpea. *Frontiers in Plant Science*, Section Plant Pathogen Interactions. DOI10.3389/fpls.2023.1006099
481. Sharma, M., Sharma, M., Sharma, S. K., Gupta, V., Kotwal, N., Salgotra, R. K., Lone, J. A., Singh, A., Hussain and R. 2022 Molecular marker aassisted eearly generation selection of blast rresistance ggene (Pi54) inn rice. *Agricultural Mechanization in Asia*. 53 (5):8107-8111.
482. Sharma, M., Sharma, M., Sharma, S.K., Gupta, V., Kotwal, N., Salgotra, R.K., Lone, J.A., Singh, A. and Hussain, R. 2022. Molecular marker assisted early generation selection of blast resistance gene (Pi54) in rice. *Agricultural Mechanization in Asia, Africa and Latin America* (AMA), 53(05): 8105-8111 (NAAS: 6.14)
483. Sharma, M., Sharma, M., Singh, A.K., Salgotra, R.K., Sharma, M., Kumar, B. and Gupta, S. 2022. In Vitro Doubled Haploid Production of Bacterial Blight Resistant Plants from BC2F1 Plants (Ranbir Basmati X Pau148). *International Journal of Agriculture System*, 10:10.20956/ijas.v10i1.3230
484. [Sharma](#), M., Sharma. M., Salgotra, R.K. and Sharma, M. 2023. Standardization of protocol for in vitrotuberization in potato (*Solanumtuberosum*) cultivar KufriSindhuri. [Indian Journal of Agricultural Sciences](#) 93(1) DOI:[10.56093/ijas.v93i1.108377](#) (NAAS 6.37)
485. Sharma, N., Roy, P.S.D., Majeed, A., Salaria, K.H., Chalotra, R., Padekar, S,K. and Guleria, S. (2022). Nanoencapsulation- A novel strategy for enhancing the bioactivity of essential oils: A review. *Indian Journal of Agricultural Biochemistry*. 56: 241-248.
486. Sharma, N., Sharma, A., Sharma, B.C., Singh, A.P., Sharma, V., Sharma, R., Kumar,R., Verma,A. and Mecarty, J. 2023. Real time nitrogen management through leaf

colour chart and chlorophyll meter in wheat (*Triticum aestivum* L.) of Jammu. *Bangladesh Journal of Botany*, 52(2): 277-282.

487. Sharma, P., Bali, K., Sharma, A., Gupta, R. K. and Attri, K. 2022. Potential use of sericultural by products: A review. *The Pharma Innovation Journal*,11(8): 1154-1158.
488. Sharma, P., Bali, K., Sharma, A., Gupta, R. K., Singh, A. K., Gupta, M. and Samnotra, R. K. 2022. Effect of high temperature on commercial traits of silkworm, *Bombyx mori* L. *The Pharma Innovation Journal*,11(12): 2870-2873.
489. Sharma, P., Bali, K., Sharma, A., Gupta, R.K. and Attri, K. 2022. Potential use of sericultural by products: A review. *The Pharma Innovation Journal*,11(8): 1154-1158.
490. Sharma, P., Sharma, A., Bali, K. and Gupta, R. K. 2023. Influence of temperature variation on cocoon parameters of silkworm, *Bombyx mori* L. *The Pharma Innovation Journal*,12(3): 3477-3480.
491. Sharma, P., Verma, P.K., Sood, S. Singh M, Verma D. (2023). Impact of Chronic Sodium Fluoride Toxicity on Antioxidant Capacity, Biochemical Parameters, and Histomorphology in Cardiac, Hepatic, and Renal Tissues of Wistar Rats. *Biological Trace Element Research*. 201: 229-241.
492. Sharma, P., Verma, P.K., Sood, S. Singh R, Gupta A, Rastogi A (2022). Distribution of Fluoride in Plasma, Brain, and Bones and Associated Oxidative Damage after Induced Chronic Fluorosis in Wistar Rats. *Biological Trace Element Research*. 200(4):1710
493. Sharma, P., Verma, P.K., Sood, S. Yousuf, R. Pankaj, NK, Agarwal, S., Pandey AK (2022). Effect of *Juglans regia* hull extract on isoprenaline induced testicular toxicity in Wistar rats. *Journal of Pharmacognosy and Phytochemistry*,11(2): 101.
494. Sharma, P., Verma, P.K., Sood, S., Yousuf, R., Pankaj, N. K., Aggarwal. S. and Pandey A.K. 2022. Effect of *Juglans regia* hull extract on isoprenaline induced testicular toxicity in Wistar rats. *Journal of Pharmacognosy and Phytochemistry*. 11(2): 101-108.
495. Sharma, P., Sharma, N., Chaoudhary, S., Luhach, P. and Chaoudhary, R.K. 2023. Understanding, status, and therapeutic potential of stem cells in goat. *Current Stem Cell Research & Therapy*. 18(7): 947-957.
496. Sharma, R., Bakshi, P., Kour, K., Jasrotia, A., Kumar, R., Maanik, Abrol, V., Lal, M., Singh, G., Rana, K. and Sharma, S. 2022. Effect of container size and growing media on growth, yield and quality of strawberry (*Fragaria x ananassa* Duch). *Agricultural Mechanization in Asia, Africa and Latin America*. 53(9): 9717-9731
497. Sharma, R., Bakshi, P., Kumar, R., Mannik. And Lal, M. 2023. Effect of growing media on fruit crops: A review. *The Pharma Innovation Journal*. 12(1): 1364-1369
498. Sharma, R., Kumar, R., Bakshi, P., Kour, K., Reena., Raina, V. and Dhotra, B. 2022. Effect of IBA and rooting media on air layering of Kagzi lime (*Citrus aurantifolia* Swingle) under rainfed conditions. *Agricultural Mechanization in Asia, Africa and Latin America*. 53(4): 7349-7362
499. Sharma, R., Sharma, M. and Salgotra, R.K. 2022. Biochemical profiling of *Brassica juncea* germplasm. *The Pharma Innovation Journal*, 11(10):1949-1952.

500. Sharma, R., Sharma, M., Sharma, M., Salgotra, R.K., Perveen, M., Niharika and Sharma, M. 2023. Agrobacterium mediated transformation and Regeneration of Transformants of Brassica juncea. *Journal of Community Mobilization and Sustainable Development*, 18(1):243-260.
501. Sharma, R., Sharma, M. and Salgotra, R.K. 2022. Evaluation of Brassica juncea germplasm for white rust resistance. *The Pharma Innovation Journal*, 11(10):1883-1886.
502. Sharma, R., Sharma, M. and Salgotra, R.K. 2022. Population structure analysis for white rust and economically important traits in Indian mustard. *The Pharma Innovation Journal*, SP-11(9):795-99.
503. Sharma, S., Bhushan A., Samnotra R.K., Chopra S., Kumar S., Kumar S. and Kumar M. 2022. Per se performance of matromorphic progenies (Mat3) and their parental lines in garden pea (*Pisum sativum* L.) under subtropical conditions of J&K. *Vegetable Science* 49(1): 101-108.
504. Sharma, S., Bhushan, A., Samnotra, R.K., Chopra, S. and Kumar, R. 2022. Standardization of micro-propagation protocol in Garden Pea (*Pisum sativum* L.) *Indian Journal of Ecology*. 49(5) (SI): 1925-1930.
505. Sharma, S., Bhushan, A., Samnotra, R.K., Chopra, S., and Kumar R. 2022. Standardization of micro-propagation protocol in Garden Pea (*Pisum sativum* L.) *Indian Journal of Ecology*. 49(5) (SI): 1925-1930.
506. Sharma, S., Dar, A.A., Gupta, S., Singh, R. 2022. Evaluation of resistant genotypes and their characterization using molecular markers linked for powdery mildew resistance in cucumber (*Cucumis sativus* L.). *Plant Genetic Resources: Characterization and Utilization* 1–6. <https://doi.org/10.1017/S1479262121000605>.
507. Sharma, S., Kumar, A., Kumar, S., Katare, A. K., Bhat, H. F., Hassoun, A., Ait-Kaddour, A., Aadil, R. M., Mungure, T. E., and Bhat, Z. F. 2023. Withania somnifera fruit extract is effective in controlling microbial growth and lipid oxidation and improves the functional value of cheese. *Food Chemistry Advances*, 100204.
508. Sharma, S., Sood, S., Yadav, A., Verma, P., Nashiruddullah, N. and Rahman, S. 2022. Clinico-hematological studies on ionophore toxicity in broiler chickens and amelioration by vitamin C. *Scientist*, 1(3): 511-518. DOI: <https://doi.org/10.5281/zenodo.7139167>.
509. Sharma, T., Arya, V.M., Sharma, V., Sharma, J., Gulshan, T., Bera, A. & Laskar, Y.A. 2022. Integrated Nutrient Management: A Long-term Approach towards Sustainability. *International Journal of Plant & Soil Science*, 433–446.
510. Sharma, V., Raina, N S, Sood, K K and Sehgal, S 2022. Improved genotypes of harad (*Terminalia chebula*): A new potential crop for Jammu & Kashmir region of India. *Indian Journal of Horticulture*, 79 (1): 30-38.
511. Sharma, V., Heer, A., Kour, N. and Sharma, S. 2022. Antimicrobial potential of Jamun seeds. *Journal of Community Mobilization and Sustainable Development*, 2: 541-544

512. Sharma, V., Kour, G., Ahmed, J.A., Nashiruddullah, N., Khan, A., Konwar, D. and Brahma, B. 2022. Establishment of primary culture of mammary epithelial cell in Bakarwali goat of Jammu region. *Ruminant Science*, 11(2): 261-265
513. Sharma, V., Raina, N S, Sood, K K and Sehgal, S 2022. Improved genotypes of harad (*Terminalia chebula*): A new potential crop for Jammu & Kashmir region of India. *Indian Journal of Horticulture*, 79 (1): 30-38
514. Sharma, V., Singh, N.S., Sood, K.K. and Sehgal, S. 2022. Improved genotypes of harad (*Terminalia chebula*): a new potential crop for Jammu and Kashmir region of India. *Indian Journal of Horticulture*.79(1):30-36.
515. Sharma, A., Kachroo, D., Thakur N.P., Puniya R., Mahajan A., Stanzen L. 2021. Crop productivity and soil health as influenced by organic sources of nutrients and weed management in rice (*Oryza sativa*)-potato (*Solanum tuberosum*)-Frenchbean (*Phaseolus vulgaris*) cropping system under irrigated condition. *Indian Journal of Agronomy*, 66(4): 400-406.
516. Sharma,A. & Khar,S. 2022. Current developments in vegetable transplanters in developing countries: a comprehensive review. *International Journal of Vegetable Science*. <https://doi.org/10.1080/19315260.2022.2046672>. : pp 1-24
517. Sharma,A., Bandral,R.S., Sharma,P., Gupta, R.K., Bali,K., Shankar,U., Sharma,S., and Pandey,R.K., 2022. Effect of drone brood and protinex fortification on feeding indices of silkworm, *Bombyx mori* L.*The Pharma Innovation Journal*, 11(8): 285-289.
518. Sharma,A., Kachroo,D., Bharat,R., Stanzin,L. and Iqbal,T. 2022. Yield and nutrient budgeting as influenced by organic sources of nutrients and weed management in Rice-Potato-Frenchbean cropping systems, *Indian Journal of Ecology*, 49 (5): 1700-1705
519. Sharma,A., Khar,S., Chaudhary,D. and Thakur,P. 2023. Study of attributes of plug type tomato seedlings pertinent to transplanter design. *Indian Journal of Ecology* 50(2) :pp 503-507
520. Sharma,A., Sharma,M., Bhat, M.I., A., Sharma, Sarswat S., Mahajan, S., S. and Jasrotia,N.,2022. Future Projection of India's Gross Domestic Product through Arima Approach. The Indian Ecological Society, India.pp:257-258 DOI: <https://doi.org/10.55362/IJE/IESIC/2022/PROC>.
521. Sharma,A., Sharma,P., Bandral, R.S., Gupta, RK and Bali,K. 2023. Influence of protein fortification on larval growth parameters of silkworm, *Bombyx mori*L.*The Pharma Innovation Journal*. 12(3): 2978-2982.
522. Sharma,A., SKhar,S., Sharma,S. and Singh,V. 2022. Investigation of Physical Traits of Brinjal Seedlings Apropos to the Design of a Transplanter .*Environment and Ecology* 40 (2A) : pp 476—481.
523. Sharma,A.,Gupta, R .K., Attri,K., Afreen,S., Bandral,R.S.,Bali,K., 2022. Transgenesis in silkworm: An overview. *International Journal of Entomology Research*, 7(1): 73-80.

524. Sharma,I., Sharma,N., Bakshi,P., Jamwal,M., Jasrotia,A., Bhat,D., and Singh,V. B. 2022. Diversity assessment of seedling origin guava (*Psidium guajava* L). *Agricultural Mechanization in Asia*53(07):8807-8814. NAAS-6.14
525. Sharma,I.,Sharma,N., Bakshi,P., Jamwal,M., Jasrotia,A., Bhat,D. and Singh, V.B. 2022. Diversity assessment of seedling origin guava (*Psidium guajava* L). *Agricultural Mechanization in Asia*. 53(07): 8807-8814.
526. Sharma,J., Gupta,S., Vaid,A.,Singh,R., and Gupta,M. 2022, Morphological characterization of wild edible fungi collected from District Kathua of Jammu region. *The Pharma Innovation Journal*, 11(6): 1847-1850.
527. Sharma,J., Sachin Gupta, Amrish Vaid, Ranbir Singh and Moni Gupta (2022), Morphological characterization of wild edible fungi collected from district Kathua of Jammu region.*The Pharma Innovation Journal*; 11(6): 1847-1850.
528. Sharma,M., Gupta,N., Aman, Singh,A.K., Kumar,S. (2022). Genotype x Environment Interaction Analysis for yield and yield Attributes in Urdbean (*Vigna mungo* L.) Under Irrigated and Rainfed Conditions of Jammu Region. *Journal of Community Mobilization and Sustainable Development* 2:474-484.
529. Sharma,P., Bali, K., Sharma,A., Gupta, R.K., Singh,A.K., Gupta,M., and Samnotra,R.K., 2022. Effect of high temperature on commercial traits of silkworm, *Bombyx mori* L. *The Pharma Innovation Journal*, 11(12): 2870-2873.
530. Sharma,P., Bali,K., Sharma,A.,Gupta,R.K., and Attri,K., 2022. Potential use of sericultural by products: A review. *The Pharma Innovation Journal*, 11(8): 1154-1158.
531. Sharma,P., Singh,S.P., Dwivedi,S., Bakshi,P., Samanta,A., and Verm,A., 2022. An Evaluation of constraints in production and marketing of strawberry in jammu region of J&K (UT).*The Pharma Innovation*.sp-11(7):4211-4214.
532. Sharma,R., Kumar,R., Bakshi,P., Kour,K., Reena, Raina,V., Dhotra,B. 2022.Effect of IBA and rooting media on air layering of Kagzi lime (*Citrus aurantifolia* Swingle) under rainfed conditions. *Agriculture Mechanization in Asia* . Vol. 53, Issue 4, 7349- 7356.
533. Sharma,S., Singh,S.P., Bhat,A., Singh,A.P., Sharma,M.K., and Kumar,R., 2022. Problems and constraints faced by the maize growers in Jammu region of J&K. *The Pharma Innovation*.SP-11(6):2201-2202.
534. [Sharma,S.](#), [Katoch, R.](#), [Upadhyay, S. R.](#) and [Singh, R.](#) 2022. Comparative haemato-biochemical profile of induced anchylostomiasis in healthy and diabetic murine model *Exp Parasitol*.240:108334.doi: 10.1016/j.exppara.2022.108334. Epub 2022 Jul 30PMID: 35917897
535. Sheera, A., Dey, T., Aftab, N., Singh, T., Pandey, M. K., Kumar, B. and Dar, Z. A. 2022. Morpho-nutritional status of micronutrient efficient wheat (*Triticum aestivum* L.) genotypes under changing environments, *Agri. Association of textile chemical and critical reviews journal*. 84-95.

536. Sheera, A., Dey, T., Pandey, M. K., Raina, K. and Mukhtar, B. Ul. 2022. Studies on genetic variability for yield attributes and nutritional composition in micronutrient efficient genotypes of wheat (*Triticum aestivum* L.). *The Pharma Innovation Journal*, 11 (5): 613-617.
537. Sheera, A., Dey, T., Pandey, M. K., Singh, T., Bhagat, T. and Kumari, S. 2022. Genetic divergence in micronutrient rich wheat- a tool to identify diverse parents, *Int. J. of Environment and Climate Change*, 12 (10): 150-156.
538. Sheera, A., Dey, T., Aftab, N., Singh, T., Pandey, M. K., Kumar, B., Dar, Z. A., 2023. Morphonutritional status of micronutrient efficient wheat (*Triticum aestivum* L.) genotypes under changing environments. *Environ Geochem Health* <https://doi.org/10.1007/s10653-023-01610-y>.
539. Shiekh, T. A., Mukhtar, Y., Bakshi, P. and Jasrotia, A. 2023. Standardization of growing substrate for multiplication of guava (*Psidium guajava*) through cuttings. *Indian Journal of Agricultural Sciences*. 93(4): 432-437
540. Shivam Raina, S. K. Rai, Bupesh Kumar, Ashish Shera (2023) Genetic analysis of F2 Indian mustard (*Brassica juncea* L.) lines for drought tolerance, *Journal of Oiled Brassica*, 14 (1): 78-84.
541. Singh AP, Gupta, V., Singh, B., Kumar, J., Singh, M., Abrol, V., and Singh, P., 2022. Evaluation of cropping systems for livelihood security of farmers in rainfed subtropics of Jammu. *Range Management & Agroforestry* 43 (1) : 94-101.
542. Singh, A., Uttamrao, T. M., Topgyal, T., Sharma, M., Chand, G., Sharma, M., and Gupta, M. 2022. Genetic diversity analysis of common bean (*Phaseolus vulgaris* L.) based on SSR marker *The Pharma Innovation*. 11: 3483-3488
543. Singh, A. K., Aman, Kumar, S., Sharma, M., Gupta, N. 2022. Genetic variability and character association studies in Urdbean (*Vigna mungo* L.) under irrigated and rainfed conditions of Jammu region. *Annals of Agriculture Research* 43(2):179-188.
544. Singh, A. K. and Aman. 2023, Genetic Variability, Correlation and Path Analysis for Yield and Yield Attributes in Urdbean (*Vigna mungo* L.) Under Rainfed Condition of Jammu. *Journal of Community Mobilization and Sustainable Development*, Vol. 18(2), page no. 1-9.
545. Singh, A. P., Gupta, V., Singh, B., Kumar, J., Singh, M., Abrol, V. and Singh, P. 2022. Evaluation of Cropping System for livelihood security of farmers in rainfed subtropical. *Range management & Agroforestry*, 43(1): 94-101.
546. Singh, Anjani Kumar and Aman (2022). Study of genetic divergence in Blackgram (*Vigna mungo* L.). *Ann. Agric. Res. New Series* Vol 43 (2) 179-188.
547. Singh, G., Bakshi, P., Kour, K., Sharma, N., Sinha, B. K., Kumar, R., Kumar, B., Shanker, U., Bhushan, B. and Singh, P. 2022. Effect of pollination methods on fruiting of different strawberry cultivars. *Agricultural Mechanization in Asia, Africa and Latin America*. 53(8): 9365-9372
548. Singh, M. P., Dey, T., Sharma, M., Kumar, B., Singh, A., and Kazim. 2022. Phenotypic and molecular divergence analysis of oat germplasm (*Avena sativa*) under

Northern Indian conditions. *The Indian Journal of Agricultural Sciences*, 91: 10.56093/ijas.v91i4.112745.

549. Singh, P., Gupta, N., Bhat, A., Sood, M., Bandral, J.D. 2023. Quality evaluation and anti-nutritional factors of pearl millet blended cake. *Journal of Community Mobilization and Sustainable Development*, 18 (1): 1-6.
550. Singh, P., Gupta, N., Bhat, A., Sood, M., Bandral, J D., Sharma, S., Dutta, U and Rahman, R. 2022. Studies on mineral and microbial composition of blended pearl millet cake during storage. *Agricultural Mechanization in Asia*. 53 (2): 5893-5900.
551. Singh, P., Gupta, N., Bhat, A., Sood, M., Bandral, J.D and Sharma, S. 2022. Physico chemical characteristics of pearl millet blended cake. *Indian Journal of Agricultural Biochemistry*. 35 (1): 35-39.
552. Singh, P., Sharma, A., Jasrotia, A., Bakshi, P., Salgotra, R., Sharma, M., Kumari, S., Singh, G., Gulzar, U., Kosser, S. and Rana, K. 2023. Variability studies on morphological characteristics of seedling bael genotypes in the north-western plains of India. *Agricultural Mechanization in Asia, Africa and Latin America*. 54(4): 12555-9731.
553. Singh, P., Dwivedi, D. K., Kushwaha, R. B., Kumar, S., Sharma, A., Gupta, P., Bhardwaj, H. R. 2022. Clinical Evaluation Osteogenic Properties of Demineralised Bone Matrix (DBM) Xenograft in Femur Fracture in Dogs. *Indian Journal of Animal Research*. DOI: 10.18805/IJAR.B-4881
554. Singh, R., Singh, A., Beigh, S. A., Sharma, N., Singh, V. 2022. Effect of physiological status and parity on metabolic and trace element profile of crossbred Rambouillet sheep of Himalayan region. *Tropical Animal Health and Production* 54 (1):63.
555. Singh, R., Singhal, V., Agrawal, R. and Upadhyay, S. R. 2022. Etiology of diarrhoea among adult buffaloes (*bubalus bubalis*) and their impact on haemato-biochemical and mineral profile. *Buffalo Bulletin*. 41 (4). <https://doi.org/10.56825/bufbu.2022.4144354>.
556. Singh, R., Singh, V., Beigh, S.A. 2022. Effect of parity on non-esterified fatty acid, oxidant-antioxidant status, zinc and copper levels around peri-parturient period in Beetal goats of Himalayan Region". *Journal of Animal Physiology and Animal Nutrition*. 107(2):418-427
557. Singh, S., Bhat, H. F., Kumar, S., Lone, A. B., Aadil, R. M., Ait-Kaddour, A., Hassoun, A., Proestos, C., and Z. F. Bhat 2023. Ultrasonication and microwave pre-treated locust protein hydrolysates enhanced the storage stability of meat emulsion. *Ultrasonics and Sonochemistry*. 106482.
558. Singh, S., Gupta, P., Ahmed, A., Gupta, A.K., Bhardwaj, H.R., Kushwaha, R.B., Kour, A., Pandey, P. and Manhas, V. 2022. Surgical management of right abomasal displacement in cross bred cow- a report of two cases. *Haryana Vet*. 61 (SI): 144-146.
559. Singh, S., Gupta, P., Ahmed, A., Gupta, A.K., Bhardwaj, H.R., Kushwaha, R.B., Kour, A., Pandey, P. and Manhas, V. 2022. Surgical management of right abomasal displacement in cross bred cow- a report of two cases. *Haryana Vet*. 61 (SI): 144-146.
560. Singh, S., Sharma, R. K., Rastogi, A. and Khan, N. 2022. Variability in the nutritional value of paddy straw (*Oryzae sativa*) properties. *Journal of Livestock Science*. 13: 213-220.

561. Singh, S.P. , Uniyal, P., Zargar,R.N., Kaul,M., Singh,M., and Singh,S., 2022. Consumer Buying Behaviour Towards Online Food Delivery Services In Jammu City of J&K State. *Journal of Natural Resource and Development*. 17(2): 174-179.
562. Singh, V, Singh, R. and Beigh S A. 2022.Macro-minerals profile of Beetal goats around puerperal period and its relation with parity. *The Indian Journal of Small Ruminants*. 28(2): 405-407.
563. Singh, V., Kour, K., Bakshi, P., Bhat, A., Kour, S and Bhat, D., 2022. Economic analysis of Bagging in Litchi fruit: feasibility estimation from Jammu region. *Economic Affairs*. 67: 1 (Spl.) 65-69.
564. Singh, V., Kour, K., Bakshi, P., Thakur, N., Kour, S., Bhat, D., and Bushan, B., 2022. Effect of pre-harvest panicle bagging on the physico-chemical characteristics of litchi cv. Dehradun. *The Pharma Innovation Journal*, 11(9): 1701-1704.
565. Singh, V.B., Gupta,S., Singh, A.K. and Singh, S.K. 2023. Variability among the isolates of *Alternaria* species causing blight of rape-seed mustard (*Brassica juncea* L.). *Bangladesh Journal of Botany*52(2) 331-336.
566. Singh, V.P., Kour, K., Bakshi, P., Bhat, A.,Kour, S and Bhat, D.J. 2022. Economic analysis of Bagging in litchi fruit: A feasibility estimation from Jammu Region. *Economic Affairs*. 6 (01): 65-69
567. Singh, V.P., Taggar, R.K., Chakraborty, D., Singh,B.P., Khajuria, P., Singh, S., and Gupta, P., 2022. KRT 1.2 gene polymorphism & its association with wool traits in Rambouillet sheep. *The Pharma Innovation Journal*, SP-11(6): 2619-2621.
568. Singh,A., Singh,M., Malik,MA and Padha,S. 2023. Is there a Shift in Salmonella Diversity among Poultry in Northern India. *Avian Diseases*. 67(1): 1-6.
569. Singh,A.K. and Aman 2022. Study of genetic divergence in Blackgram (*Vigna mungo* L.). *Ann. Agric. Res. New Series* Vol. 43 (4): 425-429.
570. Singh,B., Singh, A.P. , Gupta,V. , Abrol,V., Kumar,J., Singh,P., Kumar, Vijay. and Raina,S. 2022. Influence of nutrient-management practices on crop-growth indices, soil fertility and yield of pearl millet (*Pennisetum glaucum*)-gobhisarson (*Brassica napus* subspecies napus) cropping system under North –West Himalayan region. *Indian Journal of Agronomy*. 67(3):262-268
571. Singh,M., Kumar,S., Sood,S., Malhotra,N., Reena, Jamwal,S. and Gupta,V. 2022. Evaluation and identification of advanced lentil interspecific derivatives resulted in development of early maturing, high yielding, and disease resistant cultivars under Indian agro-ecological conditions. *Frontiers in Plant Science*. Published: 8 September 2022 DOI: [10.3389/fpls.2022.936572](https://doi.org/10.3389/fpls.2022.936572)
572. Singh,P., Gupta,N., Bhat,A., Sood,M., Bandral,J.D. and Sharma,S. (2022). Physico-Chemical characteristics of Pearl Millets Blended Cake. *Indian J. Agric. Biochem* 35(1), 35-39, 2022 (NAAS: I029: 4.38)
573. Singh,S. P., Thapar,K., Sharma,S., Dwivedi,S., Bhat,A., Singh,M., and Bhagat,G., 2022. A Study on Perception of Customers Towards Product Appearance of

Packaged Food Products for Children, *Agro Economist- An International Journal*. 9(01):75-77.

574. Singh, S.P., Bhagat, G., Dwivedi, S., Bhat, A., Sharma, S., and Singh, M., 2022. Hill Agriculture and Livelihood Security: An Economic Analysis of Cost and Return Structure for Cultivation of Mustard Crop in Jammu District of J&K (UT). *Economic Affairs*. 67(02): 01-07.
575. Singh, S.P., Singh, H., Kachroo, J., Bhat, A., Dwivedi, S., Raut, Y., Singh, M., and Bhagat, G., 2022. A socio-economic evaluation of the area profile in the context of agriculture sector of Jammu district of J&K state. *The Pharma Innovation*. SP-11(6):2854-2858.
576. Singh, S.P., Verma, A., Dwivedi, S., Bhat, A., Singh, H., and Somakka, N., A.N. 2023. Economic Assessment of Changing Input Use Behaviour under PM-KISAN Scheme in Jammu Region: A Comparative Study. *Agro Economist: An International Journal*, 10(1): 83-88.
577. Singh, V. B., Gupta, S., Singh, A. K., and Singh, S. K., (2023). Variability among the isolates of *Alternaria* species causing blight of rape-seed mustard (*Brassica juncea* L). *Bangladesh Journal of Botany* 52(2) 331-336 .
578. Singh, V.P., Kour, K., Bakshi, P., Thakur, N., Jeelani, M. I., Kour, S., Bhat, D.J. and Bhushan, B. 2022. Effect of pre-harvest panicle bagging on the physio-chemical characteristics of litchi cv. Dehradun. *The Pharma Innovation*. 11(9):1701-1704.
579. Singhal, V., Singh, R., Agrawal, R., Sharma, N. and Tikoo, A. 2022. Haemato-biochemical and mineral alteration in among adult diarrheic dairy animals infected with salmonellosis. *Haryana Veterinarian*. 61 (SI): 1-4.
580. Slathia, A., Sharma, M., Gupta, R., Sharma, M. and Sharma, S. 2022. Effect of varying concentrations of growth regulators on micropropagation of ginger. *Journal of Community Mobilization and Sustainable Development*, 17(4):1187-1192.
581. Sneha Choudhary, Ranbir Singh, Sonali Bhagat, Tabasia Amin, S.K Singh, Sachin Gupta and Amrisha Vaid (2022). Screening of *Lagenaria siceraria* (Mol.) Standl. Genotype against a Tobamovirus causing mosaic disease in Jammu. *The Pharma Innovation Journal*; 11(3): 2438-2442.
582. Sodhi AS, Laishram N, Singh A and Pandey RK. 2022. Genetic variability and character association studies for yield and yield traits in French marigold (*Tagetes patula* L.). *International Journal of Plant and Soil Science* 34(23): 356-365
583. Sofi, A. S., Rafiq, S., Singh, J., Mir, A. S., Sharma, S., Bakshi, P., McClements, J.D., Khaneghaha, M. A., and Dar, N.B. 2022. Impact of germination on structural, physicochemical, techno-functional, and digestion properties of desi chickpea (*Cicer arietinum* L.) flour. *Food Chemistry*, 405:135011.
584. Sofi, S.A., Rafiq, S., Singh, J., Mir, S.A., Sharma, S., Bakshi, P., McClements, D.J., Khaneghah, A.M. and Dar, B.N. 2023. Impact of germination on structural, physicochemical, techno-functional and digestion properties of desi chick pea (*Cicer arietinum* L) flour. *Food Chemistry*. 405:135011.

585. Sonali Abrol, SK Singh, Amritpal Mehta, Shafat Ahmad Ahanger, Umer Basu, Amrish Vaid, Ranbir Singh, AK Singh and VB Singh (2022), Distribution pattern and prevalence of brown spot of rice (*Bipolaris oryzae*) in Jammu region. *The Pharma Innovation Journal*; 11(2): 732-736.
586. Sonali, S, Samnotra, R.K., Bupesh Kumar and Sanjeev Kumar 2022. GGE Biplot and Genotype x Environment Interaction Analysis in Eggplant (*Solanum melongena* L.) under subtropical conditions of Jammu. *Indian Journal of Ecology*. 49(5) SI: 1912-1916.
587. Sonali, S, Samnotra, R.K., Bupesh Kumar and Sanjeev Kumar 2022. GGE Biplot and Genotype x Environment Interaction Analysis in Eggplant (*Solanum melongena* L.) under subtropical conditions of Jammu. *Indian Journal of Ecology*. 49(5) SI: 1912-1916.
588. Sood, V., Singh, A.K., Sinha, D. and Parwan, S. 2023. Screening of Marigold Germplasm Against Leaf Spot and Flower Blight Disease under Field conditions in North Western Himalayas. *Biological Forum – An International Journal*. 15:1-3.
589. Spoli Meenu, Bandral, J.D, Sood, M., and Sushil Sharma 2022. Effect of germination as physico-chemical and antinutritional factors of oats flour, *The Pharma Innovation* 11(6), 1424-1428.
590. Srivastava, R. K. ,Dadhich, S.M., Singh, J.P, Sharma, S., Dadhich, H, Yadav, A.K. and Singh, B., 2022. Ground water recharging through recharging pit in rainfed area of Jammu district. *Journal of Community Mobilization and Sustainable Development Journal of Community Mobilization and Sustainable Development*, 2(seminar special issue), 673-677.
591. Srivastava, R. K. ,Dadhich, S.M., Singh, J.P, Sharma, S., Dadhich, H, Yadav, A.K. and Singh, B. 2022. Soil and water conservation technologies for rainfed area of hilly region: A case study of Jammu District. *Agricultural Engineering Today*, 46(2), 14-17.
592. Srivastava, R. K., Dadhich, S.M., Singh, J.P, Sharma, S., Dadhich, H., Yadav, A.K. and Singh, B. 2022. Livelihood enhancement through small water harvesting structure in rainfed area of Jammu district. *Journal of Community Mobilization and Sustainable Development*, 2 (seminar special issue), 669-672.
593. Sudan, A., Taggar, R. K., Chakraborty, D., Singh, S., Azad, M. S., Kumar, D. and kumar, N. 2022. Estimation of genetic parameters and trends in performance traits of Rambouillet sheep. *Indian Journal of Animal Sciences*, 92 (9): 1088–1091. <https://doi.org/10.56093/ijans.v92i9.123135>.
594. Sudan, J., Sharma, S., Salgotra, R.K., Pandey, R.K., Neelam, D. and Singh R. 2023. Elucidating the process of SNPs identification in non-reference genome crops, *Journal of Biomolecular Structure and Dynamics*, DOI: 10.1080/07391102.2023.2194002
595. Sudan, J., Sharma, S., Salgotra, Romesh K; Pandey, Rajan Kumar; Neelam, Deepesh; Singh, Ravinder 2023. Elucidating the process of SNPs identification in non-reference genome crops. *Journal of Biomolecular Structure and Dynamics* 1: 1-9
596. Suhani Sajad, Jagmohan Singh, Neeraj Gupta, Sushil Sharma, Manish Sharma, Vikas Sharma and Uma Shankar (2023). Physico-chemical, color profile and total phenol

content of freeze dried (Oyster mushroom) *Pleurotus ostreatus*. *The Pharma Innovation Journal* 2023; 12(2):2076-2078 .

597. Suri, S., Sasan, J.S. and Khan, A. 2022. Histo-Morphometrical Study on the Pancreas of Turkey. *The Indian Journal of Veterinary Science and Biotechnology*. 18(2): 59-62.
598. Suryanarayana, N. S., Shankar, S. and Mukhtar, Y. 2022. Impact of pest management modules in mitigating the pod borer (*Helicoverpa armigera* Hubner) population on chickpea. *The Pharma Innovation Journal* 11(12):980-982. doi: 10.22271/tpi.2022.v11.i12Sm.17478.
599. Sutradhar, S., Sharma, E., Sood, A., and Bhat, A., 2023. Export and Import performance of Walnut in India: An empirical analysis through Revealed Comparative and Trade advantage along with revealed competitiveness. *Agricultural Mechanization in Asia*, 53(12): 12069-12081.
600. Syed, Q.A.B., Sehgal, S., Sood, K.K., and Raina, N.S., 2022. Effect of canopy management practices on growth characteristics of *Melia composita*. *Indian Journal of Ecology* 49(5) (SI): 1901-1903.
601. Thakur, J., Gupta, R.K. and Bali, K. 2022. Innovations for reviving sericulture in Jammu and Kashmir. *The Pharma Innovation Journal*, 11(7): 1126-1131.
602. Thakur, M, Sharma, D., Kapoor, B., Khajuria, M and Yadav, V. 2023. Diversity of sunflower pollinators and their effect on seed yield. *The Pharma Innovation Journal*; 12(6): 2308-2311.
603. Thakur, M, Sharma, D., Khajuria, M., Kapoor, B. and Yadav, V. 2023. Prospects and constraints in traditional beekeeping in Jammu and Kashmir. *The Pharma Innovation Journal*; 12(5): 3691-3694 .
604. Thakur, N.P., Kumar, P., Gupta, A.K., Khajuria, V., Zai, A.A.A.R., Archana, A., Kour, M., Bochalaya, R.S., Kumar D. and Naveena. 2022. Intensification of existing rice-wheat Cropping system with inclusion of legume crops to enhance system productivity, energetic and soil fertility under assured conditions of Jammu region. *Journal of Community Mobilization and Sustainable Seminar* .Special Issue (02): 462-467.
605. Thakur, S., Thakur, N., Bhat, D., Jasrotia, A., Kour, K., Kumar, R. and Bura, S. 2023. Effect of plant growth regulators on shelf life of guava (*Psidium guajava* L.) under high density plantation in Jammu subtropics. *Agricultural Mechanization in Asia, Africa and Latin America*. 54 (04): 13487-13495.
606. Thakur, J., Gupta, R.K., and Bali, K., 2022. Innovations for reviving sericulture in Jammu and Kashmir. *The Pharma Innovation Journal*, 11(7): 1126-1131.
607. Thakur, M.S., Kumar, T., Sood, S., Malhotra, N., Rani, U., Singh, S., Singh, I., Bindra, S., Kumar, S., Kumar, S. and Kumar, S. 2022: Identification of Promising Chickpea Interspecific Derivatives Against Agro-Morphological and Major Biotic Traits Under Two Climatic Regions of India. *Frontiers in Plant Science*. DOI: TYPE Original Research Published 04 August 2022 DOI 10.3389/fpls.2022.941372

608. Thakur,N., Bhat,A., Sharma,R., Kachroo,J., Sharma,S., and Sharma,M., 2022. Formal and Informal seed supply chain of wheat crop in Jammu district. *Journal of Community Mobilization and Sustainable Development*. Vol. 02(Seminar Special Issue): 356-360.
609. Thapar,K., Singh,S.P., Sharma,S., Dwivedi,S., Bhat,A., Singh,M., and Bhagat,G., 2022.Influence of Product Appearance of Packaged Food Products for Children in Jammu City of UT Jammu and Kashmir. *Journal of Natural Resource and Development*. 17(1): 144-147.
610. Thappa, C., Guleria, S. and Sharma, K. 2022. Effect of salicylic acid and methyl salicylate treatment on polyphenol metabolites and bioactive properties of mung bean (*Vignaradiata*) sprouts. *Indian Journal of Agricultural Biochemistry*. 35: 66-70.
611. Thappa, C., Sharma, V., Mushtaq, A and Roy, P.S.D. 2023. *Arisaema jacquemontii*, a plant with antioxidant and antibacterial efficiency. *International Journal of Agricultural Sciences*, 19: 47-55
612. Trilokia, M., Bandral, D. J., Gupta, N., Sood, M. and Sharma, S. (2022). Quality evaluation and storage stability of carrot pomace powder *SP-11(3)*: 1134-1139.
613. Trilokia, M., Bandral, D. J., Gupta, N.,Sood, M. and Sharma, S.2022. Quality evaluation and storage stability of carrot pomace powder. *SP-11(3)*: 1134-1139 .
614. Trilokia,M.,Bandral, J. D.,Sood, M.,Gupta, N.and Dutta, U. 2023. Quality evaluation of gluten free protein enriched pasta prepared using basmati rice flour, groundnut meal and carrot pomace. *Journal of Agricultural Science and Technology*, 25 (3): 635-646.
615. Ujjwal, A., Bazaya,, B.R., Lovish, V., Kaur ,P and Tomar.V. 2022.Effect of system of rapeseed intensification on productivity and profitability of gobhi sarson (*Brassica napus*) under irrigated conditions of Jammu region.*The Pharma Innovation Journal* . 2022; *SP-11(9)*: 1179-1184.
616. Uttamrao, T.M., Topgyal, T., Gupta, S., Sharma, S., Sharma, M. and Gupta, M. 2022. Influence of *Colletotrichum lindemuthianum* infection on the biochemical defence response in leaves of common bean (*Phaseolus vulgaris* L.). *The Pharma Innovation Journal* 2022; 11(2): 1897-1900
617. Uzma S, Pankaj N, Kour H, Sharma A, Verma PK and Kishor K 2022. Effect of repeated oral administration on oxidative stress parameters and histopathological changes in Wistar rats. *Journal of Pharmacognosy and Phytochemistry*, 11(1): 104.
618. Vaid, A., Choudhary,M., Gupta,S., Singh, S.K. , Rai, S.K. , Bushra R. and Chatak,S. 2022. Occurrence and Management of White Rust through Cultural Practices and Host Resistance in Mustard, *Journal of Community Mobilization and Sustainable Development* .Volume 2 (Seminar Special Issue) May 26-28, 2022: pp 545-552.
619. Vaid,A., Choudhary,M., Gupta,S., SinghS.K, Rai,S.K., Rasool,B., and Chatak,S., (2022), Occurrence and management of White Rust through Cultural practices and Host

Resistance in Mustard. *Journal of community Mobilization and SustainableDevelopment*. Volume 2: 545-552.

620. Verma, P.K., Singh, P., Sharma, P. et al. (2022) Dose-Dependent Oxidative Damage in Erythrocytes and Hepatic Tissue of Wistar Rats Concurrently Exposed with Arsenic and Quinalphos: a Subacute Study. *Biological Trace Element Research*. 200 (5); 2160–2173.
621. Verma, S., Bhat, A., Gupta, N., and Kumar, A. 2023. Physio-chemical characteristics of osmotically dehydrated karonda (*Carissa carandas* L.) with different pre-treatments during storage. *The Pharma Innovation Journal*, 12 (1): 1396-1401.
622. Verma, A., Singh, S.P., Kachroo, J., Jeelani, M.I., Singh, S.K., Palvi, Bhagat, G., and Singh, M., 2022. An Economic analysis of fund utilization by different categories of beneficiary farmers under PM- KISAN Scheme in Jammu Region of J&K (UT). *The Pharma Innovation*. SP-11(6):3050-3055.
623. Vipal, V., Sudhakar, D., Kumar, P.S., Peshin, R. and Rizvi, S. E. H. 2022. Socio-economic characteristics of farmers practicing rainfed farming in the Jammu region, *International Journal of Social Science, II, (Iss. 1)*, 43-49. DOI.10.46852/2249-6637.01.2022.8.
624. Vipal, V., Sudhakar, D., Kumar, P.S., Peshin, R. and Rizvi, S. E. H. 2022. Economics and resource-use efficiency of wheat crop under rainfed conditions in the Jammu region of Jammu & Kashmir, *Economic Affairs*, 67, (Iss. 1s), 119-126. DOI.10.46852/0424-2513.1.2022.21.
625. Wani, O.A., Sharma, K.R., Kumar, S.S., Sharma, V., Kumar, V.V. & Kumar, S. 2022a. Mapping of Micronutrients in Soils of Kishtwar District (Jammu and Kashmir) - A GIS Approach. *Current Journal of Applied Science and Technology*, 41, 26–38.
626. Wani, O.A., Sharma, K.R., Kumar, S.S., Sharma, V., Palmo, T., Vemulakonda, A.L., Mahale, A.G., Hussain, N. & Singh, G. 2022b. Mapping of Soil Physicochemical Properties of Kishtwar District of Jammu and Kashmir (J&K) Using Geographic Information System (GIS). *International Journal of Plant & Soil Science*, 34, 1624–1634.
627. Wani, O.A., Sharma, K., Sharma, V., Kumar, S., Mahdi, S. & Hussain, N. 2022. Digital Mapping of Soil Physicochemical Properties of Ramban District of Jammu and Kashmir using Geographic Information System. *Indian Journal of Ecology*, 49, 96–102.
628. Wani, R. A., Singh, R., Himalini, Bhat, A. M. and Bhardwaj, R. K. 2023. Iodine level of goats from Shiwalik and middle mountains of north-west Himalayas in relation to soil, fodder, and water status *Indian Journal of Animal Sciences*. 93 (2): 212–217, February 2023/Article <https://doi.org/10.56093/ijans.v93i2.124167>
629. Wazir, Z. A., Singh, A. K. and Shankar, U. 2022. Evaluation of Different IPM Modules for Management of Fruit Fly (*Coquillett*) *Bactrocera cucurbitae* in Summer Squash (*Cucurbita pepo* L.) *Indian Journal of Ecology*, 49(5): 2005-2007. doi:10.55362/IJE/2022/3775
630. Yadav, A., Rafiqi S.I., Yadav, V., Kushwaha, A., Godara, R., Sood, S., Bhat, M.A., Katoch, R. and Panadero-Fontan, R. 2022. First report of *Przhevalskiana silenus*

- derived recombinant Hypodermin C based indirect ELISA for serodiagnosis of goat warble fly myiasis. *Scientific Reports*, 12: 13440.
631. Yadav, G., Sood, M., Bandral, J. D., Gupta, N., and Sharma, S., 2022. Assessment of nutritional and microbial quality of Jamun-Bael blended fruit cheese during storage. *Journal of Environmental Biology*, 43(2): 259-266.
632. Yadav, N.K., Sharma, V., Arya, V.M., Choudhary, R.S. & Panotra, N. 2022. Effect of different organics amendments on some soil physical properties in a Paddy-Berseem cropping system. *Journal of Soil and Water Conservation*, 21, 127–132.
633. Yadav, P., Yadav, A.B., Gaur, P., Mishra, V., Huma, Z.I., Sharma, N and Son Y.K. 2022. Bioengineered ciprofloxacin-loaded chitosan nanoparticles for the treatment of bovine mastitis. *Biomedicines*, 10(12): 3282 <https://doi.org/10.3390/biomedicines10123282>.
634. Yousuf, R., Sharma, M. 2022. Detection of High Leverage Points in Regression Model in Apple Data. *Journal of Statistics Applications & Probability Letters . An International Journal* .Vol.9(3): 135-140.
635. Yousuf, R., Sharma, M. 2022. Outlier Detection and Identification in Square root Production Function using Robust Regression. *International Journal of Mathematics and Statistics* 22(2) : 52-62 .
636. Yousuf, R., Verma, P.K., Sharma, P., Sood, S., Kaddour A.A. and Bhat, Z.F. 2023. Ameliorative potential of quercetin and catechin against sodium arsenite and mancozeb-induced oxidative renal damage in Wistar rats. *Journal of Trace Elements and Minerals* 5:100079. <https://doi.org/10.1016/j.jtemin.2023.100079>.
637. Yousuf, R., Verma, P.K., Sharma, P., Sood, S., Bhatti, M.A., & Bhat, Z.F. (2023). Neuroprotective effect of quercetin and Zingiber officinale on sodium arsenate-induced neurotoxicity in rats. *Food Science & Nutrition*, 00, 1– 10.
638. Zafar Ali and S.K. Rai (2022). Drought susceptibility index analysis in Indian mustard (*Brassica juncea* L.). *Journal of Oilseed Brassica* 13(2) : 136-142.
639. Zafar,A.,Rai, S. K., Sami,J., and Kavita,R., (2022). An assessment on CRISPR Cas as a novel asset in mitigating drought stress. *Genetic Resources and Crop Evolution*, 2022 v69 no.6 pp.2011-2027.
640. Zaffar,O. and Khar,S 2023. Economics of a wheel operated boom sprayer for small holding farmers. *Biological Forum – InternationalJournal* 15(4): pp 446-449.
641. Zaffar,O. and Khar,S. 2022. Performance evaluation of a wheel operated boom sprayer *Current Advances in Agricultural Sciences* .14(1): pp 78-82.
642. Zaffar,O. and Khar,S. 2022. Quantification of spray drift of wheel operated boom sprayer for assessing environment risk. *Indian Journal of Ecology* 49 (5): PP 2000-2004.
643. Zai, A.A.A.R., Kour, M., Sharma, B.C., Thakur, N.P., Sharma, R., Kumar, P. and Archana, A. 2022. Productivity and economics of fodder oat (*Avena sativa* L.) varieties under integrated management techniques in foot hills of Jammu region. *Journal of Community Mobilization and Sustainable Seminar Special Issue* (02): 437-442.

644. Zargar J., Kumar M, Kumar S, Chopra S, Kumar S, Bhushan A, Samnotra RK and Gupta RK. 2022. Integrated nutrient management studies in cabbage (*Brassica oleracea*) under subtropical plains of Jammu. *Indian Journal of Agricultural Sciences*, 92 (1): 59-62.
645. Zargar, S.M., Mir R.A., Ebinezer, L.B., Masi, A., Hami, A., Manzoor, M., Salgotra, R.K., Sofi, N.R., Mushtaq, R., Rohila, J.S. and Rakwal, .R. 2022. Physiological and Multi-Omics Approaches for Explaining Drought Stress Tolerance and Supporting Sustainable Production of Rice. *Front. Plant Sci.* 12:803603. doi: 10.3389/fpls.2021.803603.
646. Zargar,J., Kumar,M., Kumar,S., Chopra,S., Kumar,S., Bhushan,A., Samnotra,R.K., and Gupta, R.K., 2022. Integrated nutrient management studies in cabbage (*Brassica oleracea*) under subtropical plains of Jammu. *Indian Journal of Agricultural Sciences*, 92 (1): 59–62.
647. Zargar,R., Raghuwanshi,P.Koul,A. L.,Rastogi,A.Khajuria,P., Wahid, A. and Kour, S. 2022. Hepatoprotective effect of seabuckthorn leaf-extract in lead acetate-intoxicated Wistar rats. *Drug and Chemical Toxicology*, 45:1, 476-480, DOI: 10.1080/01480545.2020.1775630.