

List of publications

Peer Reviewed Research Papers:

1. Tiwari NK, Zaidi SFA, Singh M, and Dehinwal AK. 2017. Effect of differential nutrient doses and scheduling on growth, yield attributes, yield and nutrient efficiency in hybrid rice (*Oryza sativa* L.). *Bulletin of Environment, Pharmacology and Life Sciences*; 6: 71-73.
2. Singh M, Sharma N, Tiwari NK, and Kumar N. 2017. Impact of climate change on global food security- challenges, adaptation measures and mitigating strategies. *International Journal of Pure & Applied Bioscience*; 5(4): 381-394.
3. Kumar V, Singh V, and Tiwari NK. Effect of Macro-nutrients and Farm Yard Manure on Productivity and Profitability of Mustard (*Brassica juncea* L.) in Western Uttar Pradesh, India *Asian Journal of Soil Science and Plant Nutrition* 2017; 1(3): 1-6.
4. Sharma S K, Pal K, Singh K P, Chaturvedi V, and Tiwari N K. Quantification of African Marigold (*Tagetes erecta* L.) Productivity in sodic soils under integrated nutrient management. *Bulletin of Environment, Pharmacology and Life Sciences* (5) 2017: 273-277.
5. Singh S, Singh AK and Tiwari NK. 2018. The Study on the Physico-Chemical Qualities of Ice-Creams Sold in Varanasi District *Int. J. Pure App. Biosci. SPI*: 6 (1): 179-183.
6. Singh AK, Singh D, Tiwari NK, Singh D and Singh LV. 2018. Effect of NPK, vermicompost and spacing on growth, yield and quality of broccoli (*Brassica oleracea* L. var. *italica*) *JPP*; 7(6): 2208-2213.
7. Singh AK, Singh D, Tiwari NK, Singh D and Singh LV. 2018. Effect of NPK, vermicompost and spacing on growth and yield of broccoli (*Brassica oleracea* L. var. *italica*) *JPP* ; 7(6): 2249-2253
8. Singh LV, Singh D, Singh AK, Singh D and Tiwari NK. 2018. Genetic divergence of parental lines and their F1 progeny in bottle gourd [*Lagenariasiceraria*(Mol.) Standl. *JPP*; 7(6): 2334-2338.
9. Singh LV, Singh D, Singh AK, Singh D and Tiwari NK, 2018. Genetic diversity in promising lines and their F1 progeny of bottle gourd [*Lagenariasiceraria*(Mol.) Standl.] *JPP*; 7(6): 2254-2258.
10. Pant, Pooja and Nautiyal, M.C. (2019) Response of varying degrees of dormant pruning on vegetative growth, flowering, fruit set, fruit retention and fruit yield of promising peach (*Prunuspersica* L.) Cultivars under mid hill conditions of Uttarakhand. *Indian Journal of Hill Farming*, 32(2): 271-273.
11. Bharti, Richa., Gupta, S. K., Singh, Baldeep and Supriya (2019) Estimate the general and specific combining ability effects of yield components in Indian mustard {*Brassica juncea* (L.) Czern & Coss} *International Archive of Applied Sciences and Technology*, 10 (1): 38-46
12. Devi, Meenakshi., Jaglan, R.S., Yadav, S.S., Singh, Naveen., Devi, Suman., Kumar, Manish and Prince (2019) Seasonal incidence of citrus butterfly, *Papiliodemoleus* L. on Kinnow (*Citrus nobilis* × *Citrus deliciosa*) as influenced by abiotic factors, *Journal of Agrometeorology*, 21(1): 264-269.
13. Devi, Meenakshi., Jaglan, R.S., Yadav, S.S., Singh, Naveen., and Yadav, G.S. (2019) Biology and morphometric studies of citrus butterfly *Papiliodemoleuslinnaeus* on Kinnow mandarin (*Citrus nobilis* × *Citrus deliciosa*). *Journal of Experimental Zoology*, 22(1):33-39.
14. Devi, Suman., Rolania., Krishna., PalaRam, Devi, Meenakshi., Lalita and Chitralekha (2019) Effects of Abiotic Factors on Population Dynamics of Whitefly and Leafhopper in Desi Cotton, *Gossypiumarborium* L.. *Journal of Agrometeorology*, 21(1): 259-263.
15. Singh, Mohinder., Babli., Khedwal, Rajbir., Pant, Pooja and Yadav, Yashpal (2019) Effect of different nutrient scheduling on yield attributes and yield of different timely sown wheat cultivars. *International Archive of Applied Sciences and Technology*, 10(1): 60-65
16. Babli., Kumar, Pawan., Kumar, Manoj., Hooda, V. S., Munjal, Renu and Kumar, Amit (2019) Effect of integrated nutrient management on growth parameters of pearl millet in pearl millet-wheat cropping system. *International Journal of Pure and Applied Bioscience*, 7 (1): 364-376
17. Singh, Ranbir., Kumar, Arvind., Kumari, Renu., Sharma, Dinesh., Kumar, Satyendra., Joshi, P.K., Chaudhari, S.K., Sharma, P.C., Singh, Ajay and Babli (2019) Long term effect of crop residue and tillage on carbon sequestration, soil aggregation and crop productivity in rice (*Oryza sativa*)-wheat (*Triticumaestivum*) cropping system under partially reclaimed sodic soils. *Indian journal of Agronomy*, 64 (1): 11-17.
18. Kumar, Pawan., Babli., Devi, Uma., Kumar, Manoj., Panghaal, Dheeraj and Satpal (2019) Long term effect of integrated nutrient management on Pearl millet-wheat cropping system- A review. *Forage res.*, 45 (2): 81-94.
19. Goel, Sonia., Singh, Kalpana., Singh, Balwant., Grewal, Sapna., Dwivedi, Neeta., Alqarawi, Abdulaziz., Allah, Elsayed FathiAbd., Ahmad, Parvaiz and Singh, N. K. (2019) Analysis of genetic

- control and QTL mapping of essential wheat grain quality traits in a recombinant inbred population, *Plos One*, 14(3)
20. Goel, Sonia., Chauhan, Kalpana., Grewal, Sapna and Dwivedi, Neeta (2019) Nanotechnology and biotechnology for future improved wheat. *Indian journal of agricultural sciences*, 89 (9): 1407–9.
 21. N. Dwivedi, K. Singh and Goel Sonia (2019) Drought stress effects on grain yield components and photosynthesis related traits in selective maize hybrid, *International Journal of Tropical Agriculture*, 37.
 22. Rajput, V. and Ravika (2020) Upliftment of rural livelihood with advanced production technology of oyster mushrooms, *International Journal of Current Microbiology and Applied Sciences*, 9(03).
 23. Singh, Mohinder., Sangwan. Madhu., Balana, Saania., Jain, Aman., Kumar, Ankit., Kenrik Ete., Shetty, Navneet., Kumar, Sunil and Goel Sonia (2020) Impact of Variant Dose and Scheduling of Nutrients on Growth and Yield of Cabbage”. *Agri bio research publisher*, Ref. No. AOABR/2020/29 Accepted
 24. Goel, Sonia., Singh, Kalpana. Grewal, Sapna & Nath Manoj (2020) Impact of “Omics” in Improving Drought Tolerance in Wheat, Critical Reviews in *Plant Sciences*, DOI: [10.1080/07352689.2020.1778924](https://doi.org/10.1080/07352689.2020.1778924)
 25. Grewal, Promila., Kumari, Sapna., Santosh., Goel, Sonia., Thakur, Rajesh and Shikha, Yashveer (2020) Assessment of Antibacterial Activity of Biosynthesised ZnO Nanoparticles Against *Xanthomonas axonopodispv. malvacearum* Causing Bacterial Blight in Cotton, *Journal of Nanoscience and Nanotechnology*, Vol. 20, 1–7
 26. Prexha., Grewal, Sapna., Kumari, Promila., Santosh., and Goel, Sonia (2020) In Vitro Antifungal and Antibacterial Effects of Biosynthesized Zinc Oxide Nanoparticles Against Selected Pathogenic and Non-Pathogenic Strains, *Journal of Nanoscience and Nanotechnology*, Vol. 20, 1–7
 27. Sonia Goel, Kalpana Singh, Sapna Grewal & Manoj Nath (2020) Impact of “Omics” in Improving Drought Tolerance in Wheat, Critical Reviews in Plant Sciences, 39:3, 222-235 DOI: [10.1080/07352689.2020.1778924](https://doi.org/10.1080/07352689.2020.1778924)
 28. Sonia Goel, Kalpana Singh, Sapna Grewal & Manoj Nath (2020) Impact of “Omics” in Improving Drought Tolerance in Wheat, Critical Reviews in Plant Sciences, 39:3, 222-235 DOI: [10.1080/07352689.2020.1778924](https://doi.org/10.1080/07352689.2020.1778924)
 29. Promila, Sapna Grewal, Santosh Kumari, Sonia Goel, Rajesh Thakur, and Shikha Yashveer (2020), Assessment of Antibacterial Activity of Biosynthesised ZnO Nanoparticles Against *Xanthomonas axonopodis pv. malvacearum* Causing Bacterial Blight in Cotton, *Journal of Nanoscience and Nanotechnology* Vol. 20, 1–7
 30. Prexha , Sapna Grewal, Promila, Santosh Kumari, and Sonia Goel (2020), In Vitro Antifungal and Antibacterial Effects of Biosynthesized Zinc Oxide Nanoparticles Against Selected Pathogenic and Non-Pathogenic Strains, *Journal of Nanoscience and Nanotechnology*, Vol. 20, 1–7, 2020
 31. Suman Pahal, Shruti Sinha, Manish Jangra, Sonia Goel and Sapna Grewal, 2020 Pharmacological and Medicinal Properties of *Cajanus cajan*, *cajanus cajan-cultivation, uses and nutrition*, Food science and technology, Nova publications, 63-110.
 32. Mohinder Singh, Sonia Goel, Ajay, Ashok Kumar and Ashok Kumar (2021). Adoption of wheat production technologies as influenced by size of land holding and prevailing cropping system in Haryana. *Annals of RSCB*, 26, 17419-17436.
 33. Promila Sheoran, Sonia Goel, Rekha Boora, Santosh Kumari, Shikha Yashveer, Sapna Grewal, biogenic synthesis of potassium nanoparticles and their evaluation as a growth promoter in wheat, *Plant Gene*, 27, 2021, 100310, ISSN 2352-4073.
 34. Promila Sheoran, Sapna Grewal, Santosh Kumari, Sonia Goel, Enhancement of growth and yield, leaching reduction in *Triticum aestivum* using biogenic synthesized zinc oxide nanofertilizer, *Biocatalysis and Agricultural Biotechnology*, 32, 2021, 101938
 35. Dhiraj Panhale, Sapna Grewal and Sonia Goel (2021) Isolation, Identification and Characterization of Bioluminescent Bacteria from Different Beaches of India, *Annals of Biology*, 37 (1) ; 27-30
 36. Mohinder Singh, Madhu Sangwan, Saania Balana, Aman Jain, Ankit Kumar, Kenrik Ete, Navneet Shetty, Sunil Kumar and Sonia Goel*. (2021) Effect of different dose and scheduling of nutrients on growth and yield of Cabbage, *Annals of Agri-Bio Research* 26 (1) : 90-92, 2021.
 37. Nisha Singh, Megha Ujinwal, Sutapa Dutta, Alkesh Hada, Sonia Goel, Chapter 15 - Current approaches in horticultural crops to mitigate the effect of salt stress, *Stress Tolerance in Horticultural Crops*, Woodhead Publishing, 2021, 259-273, ISBN 9780128228494,
 38. Pant, P. and Singh, B. 2021. Refinement of Technology on Dry Flowers: A Review. *Agricultural Reviews*. DOI: 10.18805/ag.R-2267

39. Heena, Malik, D.P and Pant, Pooja 2021. An economic comparison of organic and conventional guava cultivation in Hisar district of Haryana. *The Pharma Innovation Journal*, 10(4):336-371.
40. Manju Loura, Dr. Suman Ghalawat, Dr. Krishan Yadav, Dr. Sunita Mehla, Dr. KK Kundu, Dr. Manoj Kumar, Dr. Dalip Kumar and Heena. 2021. Adoption practices of dairy farmers in Haryana. *The Pharma Innovation Journal* 2020; SP- 10(6s): 587-594.
41. Singh, M., Goel,S., Ajay, Jagdish, Y., Reddy, E.S.K and Reddy, P.R.S.K. (2021). *The Pharma Innovation Journal* 2021; 10(8): 1201-1204, NAAS 5.23. ISSN (E): 2277- 7695.
42. Singh, M., Ajay, Babli, Devi, M and Goel, S. (2021). Recent advancements for reclamation of problematic soils. *Journal of Plant Development Sciences* Vol. 13(2): 45-53. NAAS 4.13, ISSN 0974-6382.
43. Singh, M, Ete, K, Balana, S, Jain, A.,Kumar, A., Goel , S. (2021). Impact of Variant Dose and Scheduling of Nutrients on Growth and Yield of Cabbage. *Annals of Agri-Bio Research*. 26 (1) : 90-92. UGC/SCOPUS -NAAS 3.97, ISSN 0971- 9660.
44. Singh, M., Goel, S., Yadav, A and Yadav, A. (2021). Adoption of wheat production technologies as influenced by size of land holding and prevailing cropping system in Haryana. *Annals of R.S.C.B.*, ISSN:1583-6258, Vol. 25, Issue 6, 2021, Pages. 17419-17436. Scopus
45. Singh, Mohinder, Ajay, Babli, Devi, Meenakshi, and Goel, Sonia (2021). Recent advancements for reclamations of problematic soils. *Journal of Plant Development Sciences*, 13(2): 45-53.
46. Kumar, Ashok, Bhuj, BD, Singh, CP. 2021. Fruit drops in mango: A review, *Annals of the Romanian Society for Cell Biology*. Vol. 25 (6)925-947.
47. Kumar, Ashok, Sant Ram, Bhuj, BD, Singh, CP. 2021. High Density Orchardng in Fruit Crops: A Review. *Annals of the Romanian Society for Cell Biology*, Vol. 25 (6)948-962.
48. Kumar, Ashok, Sant Ram, Bhuj, BD, Singh, CP. 2021. Paclobutrazol Boost Up for Fruit Production: A Review *Annals of the Romanian Society for Cell Biology* ,Vol. 25 (6)963-980.
49. Kumar, Ashok, Bhuj, BD, Sant Ram, Singh, CP, Shri Dhar, Yadav, RK. 2021. Crop Regulation in Fruit Crops: A Review, *Annals of the Romanian Society for Cell Biology* ,Vol. 25 (6) 7896 – 7919.
50. Ashok Kumar, B.D. Bhuj, Sant Ram and C.P. Singh, 2021. Mango Malformation: Etiology and Preventive Measures *Annals of the Romanian Society for Cell Biology*, Vol. 25, (6) 8025 – 8058.
51. Kumar, Ashok, Bhuj, BD, Sant Ram, Singh, CP, Shri Dhar, Yadav, RK, Singh, M, Kumar, A. 2021. Organic Farming for Sustainable Agriculture: A Review. *Annals of the Romanian Society for Cell Biology*, Vol. 25, (6) 8088 – 8123.
52. Kumar, Ashok, Bhuj, BD, Singh, CP. 2021. Alternate Bearing in Fruits Trees: A Review *International Journal of Current Microbiology and Applied Sciences*, 10 (01): Volume 10 (01), 1218-1235.
53. Chaini, SR, Kumar, A. 2021. Agri-tourism and its benefits: A case study of Haryana. *Annals of Agri-Bio Research*, 26 (2), 205-208.

Popular Articles

1. Pooja Pant. Nutritional benefits of coloured fruits and vegetables. *Indian Farmers' Digest*, 52(12): 39-40 (December, 2019).
2. Pooja Pant and K.R. Dabur. Nimbu ki vaigyanik kheti se aarthik sudhradta. *Krishi Jagran*, 25(9): 52-55. (September, 2019)
3. Devi, Meenakshi., Suman and Singh, N.V. (2019) Use of Indigenous Technical/Traditional Knowledge in Insect Pests Management. *Biomolecule Reports*, ISSN-2456-8759 .
4. Devi, Meenakshi.,Yadav, Jayant and Singh, N.V. (2019) Insect Pests of Organic Farming Systems and Their Management. *Biomolecule Reports*, ISSN-2456-8759.
5. Devi, Meenakshi., Kumar, Manish and Singh, N.V. (2019) Role of Pheromones in Integrated Pest Management. *Biomolecule Reports*, ISSN-2456-8759.
6. Dr Sonia published article on Article in hindi language on “wheat genome” in NISCAIR magazine- Vigyan Pragati
7. Dr Sonia published article on Article on “Coronavirus: A Biological bombshell” in leading magazine Biotech Express.
8. Pooja Pant. Kaddu vargiya sabjiyoon ki unnat kheti. *Krishi Jagran*, 25(06): 18-20. (June, 2020)
9. Pooja Pant. Mirch ki nursery taiyaar karne ki takneek evm unnat kismein. *Krishi Jagran*, 25(05): 26-29. (May, 2020)
10. Priyanka Mishra, Pooja Pant and Neha. Use of tissue culture techniques for quality production of banana. *Indian Farmers' Digest*, 53(1): 28-30 (January, 2020).
11. Dr Mohinder published article on. कपास: बेमौसमी बारिश का महत्व व जल प्रबंधन, जानें. In newspaper <https://www.amarujala.com/education/sqt-university-cotton-importance-of-unseasonal-rain-and-water-management?pagel=1> Updated Fri, 19 Jun 2020 05:31

12. Dr Mohinder published article on कृषि विविधीकरण: आधुनिक खेती की जरूरत, जानें In newspaper https://www.amarujala.com/education/agricultural-diversification-the-need-for-modern-farming-author-dr-mohinder-singh?_page Id=2,2020
13. Pooja Pant. गाजर उत्पादन की उन्नत तकनीक. *Krishi Jagran*, 25(11): 12-14. (November, 2020).
14. Pooja Pant. लहसुन फसल उत्पादन की तकनीक. *Krishi Jagran*, 25(10): 28-29. (October, 2020).
15. Pooja Pant. पत्ता गोभी की वैज्ञानिक खेती. *Krishi Jagran*, 25(09): 22-23. (September, 2020)
16. Pooja Pant. सब्जियों की पौधशाला / नर्सरी तैयार करने की तकनीक. *Krishi Jagran*, 25(08): 14-17. (August, 2020).
17. Mamta Phogat, Heena and Aditya. 2020. Economic Impact of Zero Tillage. *Agriculture & environment*, 3(1): 10-13.
18. Pooja Pant. आम में कीट एवं रोग नियंत्रण. *Krishi Jagran*, 26(6): 32-33 (June 2021).
19. Pooja Pant. शुष्क पृष्णों के मूल्यवर्धन द्वारा रोजगार सृजन. *Krishi Jagran*, 26(3): 18-20. (March, 2021).
20. Pooja Pant. सब्जियों की खेती हेतु उपयोगी कृषि यंत्र. *Krishi Jagran*, 26(2): 14-16. (February, 2021).
21. Pooja Pant. सब्जियों की संरक्षित खेती. *Krishi Jagran*, 25(1): 24-27. (January, 2021).
22. Meenakshi Devi (2021) Insect pests of brinjal and their management. *Just Agriculture*, 11(1):1-6. e-ISSN: 2582-8223.

Books:

1. Singh, M. and Goel , S. (2020). *Insight Agriculture: Soil, Crops and Food for Future*. Satish Serial Publishing House. ISBN: 978-93-53870-50-8 SGT University, Gurugram, 122505.Pp. 1-318.
2. Dr. Anu, Dr. Umang and Dr. Vivek K. Singh 2021. *Research Trends in Agriculture Science, Volume - 1*, ISBN: 978-3-96492-269-4. Weser Books Publications Germany.
3. Goel, S. and Singh, M. (2021). *Agriculture Biotechnology*, ISBN: 978-93-90660-68-1.

Book Chapters:

1. Devi, Meenakshi.,Upadhyay, Neha., Devi, Suman and Babli (2020). Viral biopesticides: an ecofriendly nonchemical approach for the management for insect pests in crops. *Advances in organic farming –Crop protection against diseases and insect pests through bio-pesticides*, Taylor & Francis. ISBN: 9780367460174 (hbk) ISBN: 9781003027690 (ebk).
2. S. Pahal, S., Sinha, S., Jangra, M., Goel, S and Grewal, S. 2021. Pharmacological and medicinal properties of *Cajanus cajan*. In *Cajanus cajan* (Ed. Donald S. Wilkes), Nova Science Publishers, Inc. ISBN 978-1-53619-134-9.
3. Meenakshi Devi, Upadhyay Neha, Devi Suman and Babli (2021) Viral biopesticides: an ecofriendly nonchemical approach for the management for insect pests in crops. *Advances in organic farming – Crop protection against diseases and insect pests through bio-pesticides*, Chapter No.- 18 in Taylor & Francis. ISBN: 9780367460174 (hbk) ISBN: 9781003027690 (ebk).