

Publications

Research Papers (International/ National)

- Attri BL, Kumar A, Mer MS and Kishor A. (2017). Standardization of novel technique for preparation of ginger (*Zingiber officinale*)-blended wine from different cultivars of pear (*Pyrus communis*). *Indian Journal of Agricultural Sciences*; 87(7): 878-82.
- Chand L, Singh DB, Sharma OC, Mir JI, Kumawat KL, Rai KM, Rather SA, Qureshi I, Lal S and Dev I. (2017). Lateral Bearing Trait in Indian Walnut (*Juglans regia* L.) Germplasm: a Potential Yield Contributing Trait in Early Age of the Tree. *International Journal of Bio-resource and Stress Management*. 8(5):605-610.
- Choudhary DK, Kumar A and Nabi SU. 2017, In-vitro evaluation of Arabidopsis thaliana ecotypes against *Ralstonia solanacearum* Race 4, *International Journal of current microbiology and Applied science* 6(5):575-579.
- Choudhary N, Bawa V, Paliwal R, Singh B, Bhat MA, Mir JI, Gupta M, Sofi PA, Thudi M, Varshney RK, Mir RR. (2018). Gene/QTL discovery for Anthracnose in common bean (*Phaseolus vulgaris* L.) from North-western Himalayas. *PLOS ONE*, 13(2): e0191700.
- Debnath S, Attri BL, Kumar A, Bhatt SC, Kishor A, Narayan R and Singh DB. (2017). Relationship among different forms of soil potassium and availability as influenced by the contrasting management practices in apple (*Malus domestica* Borkh.) orchards of kumaon region. *The Bioscan*; 12(1): 477-484.
- Debnath S, Patra, AK, Purakayastha TJ. (2017). Assessment of methods for measuring soil microbial biomass carbon in temperate fruit-tree based ecosystems. *Communications in Soil Science and Plant Analysis* 48(21): 2534-2543.
- Kishor A, Narayan R, Brijwal M, Attri BL, Kumar A and Debnath S. (2017). Studies on physico-chemical characteristics of different apple strains collected from Nainital district of Uttarakhand. *International Journal of Chemical Studies*; 5(5): 47-50.
- Kishor A, Narayan R, Brijwal M, Attri BL, Kumar A and Debnath S. (2017). Comparative assessment of physico-chemical characteristics among different peach cultivars under mid hill conditions of Uttarakhand. *Chemical Science Review & Letters*; 6(23): 1677-1680.
- Kishor A, Narayan R, Brijwal M, Kumar A, Attri BL, Debnath S and Joshi KK. (2017). Variability in physico-chemical characteristics of plum genotypes collected from kumaon hills of Uttarakhand. *Chemical Science Review & Letters*; 6(21): 520-524.
- Kishor A, Verma SK, Brijwal M, Narayan R, Kumar A, Debnath S and Mer MS. (2017). Yield and physico-chemical performance of different kiwifruit cultivars in Kumaon hills of Uttarakhand. *Research on Crops*; 18(2): 256-259.
- Kumar D, Lal S and Singh DB. 2018. Genetic diversity of 23 indigenous almond (*Prunus amygdalus*) genotypes under North West Himalayan region of India. *Indian Journal of Agricultural Sciences* 88 (2): 333-339.
- Kumar S, Sharma A, Sharma VK, Ahmed N, Rosin KG and Sharma OC. (2018) Integrated fertilization: An approach for higher apple (*Malus domestica*) productivity and ecological health of soil. *The Indian Journal of Agricultural Sciences*; 88(2):222-227.
- Kumawat KL, Sarolia DK, Kaushik RA and Jodha AS. (2017). Effect of irrigation and fertigation scheduling on growth, flowering,

- yield and economics of guava cv. Lalit under ultra high density planting system. *Indian J. Hort.* 74(3): 362-668.
- Lal S, Sharma OC and Singh DB .2017. Effect of tree architecture on fruit quality and yield attributes of nectarine (*Prunus persica* var. nectarina) cv. Fantasia under temperate condition. *Indian Journal of Agricultural Sciences.* 87 (8): 1008–12.
 - Lal S, Sharma OC and Singh DB .2017. Genetic diversity and character association analysis based on pomological traits in olive (*Olea europaea* L.). *Journal of Applied and Natural Science* 9 (3): 1551-1556.
 - Lal S, Sharma OC, Singh DB, Rather SA and Qureshi I. (2018). Tree growth, fruit quality and yield attributes as affected by tree spacing and varieties of peaches/nectarine under temperate climate. *International Journal of Chemical Studies* 6(2): 308-311.
 - Lal S, Sharma OC, Singh DB, Rather SA, Padder BA and Qureshi I .2017. Genetic divergence of horticultural traits among olive (*Olea europea* L.) genotypes grown in temperate climate. *Int.J.Curr.Microbiol.App. Sci.*, 6(8): 2120-2130.
 - Lal S, Singh AK, Singh SK, Srivastav M, Singh BP, Sharma N and Singh NK. 2017. Association analysis for pomological traits in mango (*Mangifera indica* L.) by genic-SSR markers. *Trees.* 31(5):1391-1409 .
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 - Malik G, Mahajan V, Dhatt AS, Singh DB, Sharma A, Mir JI, Wani SH, Yousuf S, Shabir A and Malik AA. (2017). Present status and future prospects of garlic (*Allium sativum* L.) improvement in India with special reference to long day type. *Journal of Pharmacognosy and Phytochemistry.* 6 (5): 929-933.
 - Malik AH, Nathar VN and Mir JI. (2017). Gas Chromatography-Mass Spectrometry (GC-MS) analysis in Callus Extracts of *Ruta graveolens* L. *World Journal of Pharmaceutical Research.* 6(12): 1195-1210.
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 - Malik G , Dhatt AS and Malik AA .(2017) Isolation of male sterile and maintainer lines from North Indian onion (*Allium cepa* L.) populations with the aid of PCR based molecular marker. *Vegetos* 30 (2) doi: 10.5958/2229-4473.2017.00142.2
 - Mir JI , Nabi SU, Sharma OC, Sharma A, Lal S, Singh DB , Raja WH, Kumawat KL, Sheikh MA , Shafi W, Jan S and Afzal A .(2018). Flower enhancement in saffron under controlled conditions using plant growth regulators. *International Journal of Fauna and Biological Studies.* 5(1): 171-173.
 - Mir JI, Ahmed N, Itoo H, Sheikh MA, Wani SH, Rashid R and Mir H. (2017). Technique to minimize phenolics in walnut in vitro culture initiation. *Indian J. Hort.* 74(2): 285-287
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 - Mishra G, Debnath S, Rawat D. (2017) Managing Phosphours in terrestrial ecosystem: a review *European Journal of Biological Research.* 7 (3): 255-270.
 - Nabi SU, Raja WH, Sharma A, Malik G, Selvakumar R, Singh DB , Mir JI , Sheikh MA and Wani SH. (2017) Evaluation of Different Substrates for Development of *Trichoderma harzianum* Based Stock Cultures and Their Utilization in Management of Chilli Wilt Disease, *Chem Sci Rev Lett.* 6(24), 2229-2235.
 - Sarkate A, Banerjee S, Mir JI, Roy P and Sircar D .(2017). Antioxidant and cytotoxic activity of bioactive phenolic metabolites isolated from the yeast-extract treated cell culture of apple. *Plant Cell Tiss Organ Cult.*



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- Selvakumar R, Kalia P and Raje RS .(2017). Genetic analysis of root yield and its contributing traits in tropical carrot (*Daucus carota* L.) *Journal of Indian Horticulture*. 74(2): 214-219.
 - Shah UN, Mir JI, Ahmed N, Jan S, Fazili KM. (2018). Bioefficacy potential of different genotypes of walnut *Juglans regia* L. *J Food Sci Technol*. 55(2):605–618
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 - Sheikh MA, Bhat KM, Mir JI, Mir MA, Nabi SU, Bhat MA, Ahmad H, Shafi W, Zaffer S, Jan S and Raja WH .(2017). Phenotypic and molecular screening for diseases resistance of apple cultivars and selections against apple scab (*Venturia inaequalis*). *International Journal of Chemical Studies*. 5(4): 1107-1113.
 - Sheikh MA, Wani SH, Mir JI, Singh DB, Sharma OC, Nabi SU, Bashir D, Dar G, Shafi W, Jan S and Rashid M .(2018). Effects of IBA and GA3 on Rangpur lime (*Citrus limonia* Osbeck). *Journal of Pharmacognosy and Phytochemistry*. 7(1): 1559-1561.
 - Singh A, Srivastav M, Singh SK and Lal S .2017. Effect of microbial-inoculants on growth and biochemical parameters of mango plantlets during bio-hardening. *Indian J. Hort*. 74(1): 20-26.
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 - Srivastava KK, Kumar D, Mir JI and Singh SR. (2017). Tree architecture influenced productivity and quality attributes in apple under HDP. *Indian J. Hort*. 74(4):486-490.
 - Wani SH, Bhat HA, Mir JI, Akbar SA, Nabi SU, Singh DB, Ahmad N. (2017). Quantitative Analysis of Iridigenin in the Different Species of *Iris Plant* by RP- HPLC and its Efficacy against Different Plant Pathogens. *Pharmacogn J*. 9(6): 23-27..
 - Wani SH, Bhat HA, Mir JI, Singh DB, Ahmad N, Dar SA and Mantoo SA. (2017). Quantitative Analysis of Iridin in the Different Species of *Iris Plant* by Reverse Phase High Pressure Liquid Chromatography. *Chemical Science Review and Letters*. 6 (21): 88-93.
 - Wani SH, Padder BA, Mokhdomi T, Mir JI, Bhat HA, Qazi PH and Qadri RA. (2017). Antiproliferative activity of methanolic extracts of different *Iris* plant species against A549 and caco-2 cell lines. *Journal of Pharmacognosy and Phytochemistry*. 6(6): 1034-1037.

Review Articles

Scientific/teaching reviews

- Choudhary DK, Nabi SU , Dar MS and Khan KA , *Ralstonia solanacearum*: A wide spread and global bacterial plant wilt pathogen, *Journal of Pharmacognosy and Phytochemistry* 2018; 7(2): 85-90.
- Lal S, Singh DB , Sharma OC , Mir JI , Sharma A, Raja WH, Kumawat KL, Rather SA. 2018. Impact of climate change on productivity and quality of temperate fruits and its management strategies. *International Journal of Advance Research in Science and Engineering*.7(4):1833-44.
- Nabi SU, Raja WH, Kumawat KL, Mir JI, Sharma OC , Singh DB and Sheikh MA. (2017). Post Harvest Diseases of Temperate

Fruits and their Management Strategies-A Review. *Int. J. Pure App. Biosci.* 5 (3): 885-898.

- Sheikh AA, Khursheed I, Ahmad MJ, Ahad I, Tali FA and Nabi SU. (2017). Role of infochemicals to enhance the efficacy of biocontrol agents in pest management, *International Journal of Chemical Studies* 5(3): 655-662.