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Field of Specialization : Plant Genetic Resource Management and Improvement

Name of Institute from where obtained M.Sc. degree:

G.B. Pant University of Agriculture and Technology (G.B.P.U.A.&T.), Pantnagar, India

Name of Institute from where obtained Ph.D. degree:

G.B. Pant University of Agriculture and Technology (G.B.P.U.A.&T.), Pantnagar, India

Joining date in ICAR : 4/9/2012

Publications (Top 10 Publications with first or corresponding author only):

1. Ahmad, B., Vivek Yadav, Ashish Yadav, M.U. Rahman, W.Z. Yuan, Z. Li. and X. Wang. 2020. Integrated Biorefinery Approach to Valorize Winery Waste: A Review from Waste to Energy Perspectives. *Science of the Total Environment*, 719 (2020) 137315: 1-14. DOI: <https://doi.org/10.1016/j.scitotenv.2020.137315>.
2. R. Gopi, H. Kalita, R. K. Avasthe, Ashish Yadav, M. Singh and D. Thapa. 2018. Does *Pestalotiopsis royenae* cause leaf streak of large cardamom? *Current Science*, Vol. 114 (10): 2155-2160. (DOI: 10.18520/cs/v114/i10/2155-2160).
3. Bajpai, P.K., A. R. Warghat, Ashish Yadav, Anil Kant, R. B. Srivastava and Tsering Stobdan. 2015. High Phenotypic Variation in *Morus alba* L. along an Altitudinal Gradient in the Indian trans-Himalaya. *Journal of Mountain Science* Vol. 12 (2): 446-455. (DOI: 10.1007/S11629-013-2875-2).
4. Bajpai, P.K., A. R. Warghat, R.K. Sharma, Ashish Yadav, A. K Thakur, R. B. Srivastava and Tsering Stobdan. 2014. Structure and Genetic Diversity of Natural Populations of *Morus alba* in Trans-Himalayan Ladakh Region. *Biochemical Genetics*, Vol. 52:137–152. (DOI 10.1007/s10528-013-9634-5).
5. Korekar, Girish, Ashish Yadav, R. Kumar, R. B. Srivastava and T. Stobdan. 2013. Multivariate Analysis of Phenological, Pomological and Fruit Quality Characters in Apricot (*Prunus armeniaca*) Grown in Trans-Himalayan Ladakh Region, India. *Indian Journal of Agricultural Sciences*, Vol. 83 (2): 150-158.
6. Ali, Zulfikar, Ashish Yadav, T. Stobdan, and Shashi Bala Singh. 2012. Traditional Methods for Storage of Vegetables in Cold Arid Regions of Ladakh, India. *Indian Journal of Traditional Knowledge*. Vol. 11(2): 351-353.

7. Korekar, Girish, Tsering Stobdan, Richa Arora, Ashish Yadav, Shashi Bala Singh. 2011. Antioxidant Capacity and Phenolic Content of Apricot (*Prunus armeniaca* L.) Kernel as a Function of Genotype. *Plant Foods for Human Nutrition*, Vol. 66 (4): 376-383 (DOI 10.1007/s11130-011-0246-0).
8. Ali, Zulfikar, Girish Korekar, Sunil Mundra, Ashish Yadav and T. Stobdan. 2011. Quality Attributes of Seabuckthorn Squash during Storage. *Indian Journal of Horticulture*, Vol. 68 (4): 479-483.
9. Yadav, Ashish and L.D. Bist. 2003. Effect of Nitrogen on Shoot Growth, Flowering, Fruiting and Fruit Quality in Pear cv Bagugosha. *Indian Journal of Horticulture*, 60: 40-4
10. Yadav, Ashish and L.D. Bist. 2003. Effect of Nitrogen Nutrition on Leaf Nutrient Status of Bagugosha (*Pyrus communis* L.) Pear. *Indian Journal of Agricultural Sciences*, 73: 507-508.

Patent / Technologies / Varieties / Methodologies / System etc.:

Partial protection and hand pollination for organic kiwifruit production under high rainfall mid hill conditions.

Intensive year-round organic vegetable production in high rainfall mid hills.

Mass multiplication of dhatara in liquid cultures using bioreactor system.

Agrobacterium-mediated genetic transformation of brahmi for cold tolerance.

“A Formulation of Cloud Stable Blended Health Beverage - SEAPRICOT from Seabuckthorn & Apricot Fruits” (Patent Filed)

“A High Energy Composite Fruit and Vegetable Based Bar with Thirst Quenching and Nutraceutical Properties and a Process for Preparation thereof” (Patent Filed)

No. of Students Guided (M.Sc.) :

No. of Students Guided (Ph.D.) :

Awards / Recognitions / Fellowship:

1. ‘Recognition for Outstanding Contribution’ in Research and Development for Farmers of Sikkim by Horticulture Department, Government of Sikkim, Krishi Bhawan, Gangtok, Sikkim. 2020.
2. ‘IAHS Fellowship Award’, awarded by Indian Academy of Horticultura