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**Field of Specialization** : Abiotic Stress, Climate Change, Regulation of Flowering

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

Banaras Hindu University, Varanasi (India)

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

Banaras Hindu University, Varanasi (India)

**Joining date in ICAR** : 6/17/2009

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

1. Trivedi, A. K., I. Ahmad, M. S. Musthapa, F. A. Ansari and Q. Rahman (2004). Environmental Contamination of Chrysotile Asbestos and Its Toxic Effects on Duckweed (*Lemna gibba*), *Arch. Environ. Contam. Tox.* 47 (3): 281 – 289.
2. Trivedi, A. K., I. Ahmad, M. S. Musthapa, and F. A. Ansari (2007). Environmental Contamination of Chrysotile Asbestos And Its Toxic Effects on Antioxidative System of *Lemna gibba*, *Arch. Environ. Contam. Tox.* 52 (3): 355 - 362.
3. Trivedi, A. K. and I. Ahmad (2011). Effects of Chrysotile Asbestos Contaminated Soil on Crop Plants. *Soil and Sediment Contam.* 20: 767 - 776.
4. Trivedi, A. K., Arya, L., Verma, M., Verma, S. K., Tyagi, R. K., Hemantaranjan, A. (2015). Genetic Variability in proso millet [*Panicum miliaceum*] germplasm of Central Himalayan Region based on morpho-physiological traits and molecular markers. *Acta Physiologiae Plantarum* 37: 23. (DOI 10.1007/s11738-014-1770-y).
5. Trivedi, A. K., Verma, S. K., Tyagi, R. K. (2016). Variability in Morpho-physiological Traits and Antioxidant Potential of *Rubus* species in Central Himalayan Region. *Industrial Crops and Products.* 82: 1 - 8. <http://dx.doi.org/10.1016/j.indcrop.2015.12.022>.
6. Trivedi AK, Arya L, Verma SK, Tyagi RK and Hemantaranjan A (2017). Evaluation of barnyard millet diversity in central Himalayan region for environmental stress tolerance. *Journal of Agricultural Science, Cambridge* 155, 1497–1507. <https://doi.org/10.1017/S0021859617000545>.
7. Trivedi, A. K., Arya, L., Verma, S., Tyagi, R., Hemantaranjan, A., Verma, M., . . . Saha, D. (2018). Molecular profiling of foxtail millet (*Setaria italica* (L.) P. Beauv) from Central Himalayan Region for genetic variability and nutritional quality. *Journal of Agricultural Science, Cambridge* 156(3), 333-341. doi:10.1017/S0021859618000382.

8. Trivedi, A. K. and Ahmad, I. (2013). Genotoxicity of Chrysotile Asbestos on *Allium cepa* L. Meristematic Root Tip Cells. *Curr. Sci.* 105 (6): 781 - 786.
9. Trivedi, A. K., Verma, S. K., Arya, R. R., Tyagi, R. K. (2015). Genetic Diversity, Antioxidant Potential and Stomatal Behaviour of Peach [*Prunus persica* (L.) Batsch] in Central Himalayan Region. *J. Environ. Biol.* 36 (3): e669 - e675.
10. Trivedi, A. K., Verma, S. K., Arya, R. R., Tyagi, R. K. (2015). Variability in Morpho-physiological Traits and Antioxidant Potential of Kiwifruit (*Actinidia chinensis* Planch) in Central Himalayan Region. *J. Environ. Biol.* 36 (4): 1051-1056.

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

1. Trivedi, A. K., Arya, R. R. and Negi, K. S. (2011). Stomatal Traits and Flowering Behavior as Selection Criteria in Apricots. *Intl. J. Fruit Sci.*, 11 (3): 299 – 308.
2. A. K. Trivedi , S. K. Verma, R. R. Arya, (2015). Safalata Ki Kahani - Palarodhi Kagazi Nimbu Se Nandan Ne Kamaya Labh. *Kisan Bharti* 46 (8): 12.
3. Ajaya Kumar Trivedi, Suresh Kumar Verma, Ganesh Lal, Ratan Ram Arya (2015). Teqnique - Aaru Se Adhik Utpadam. *Phal Phool*: 36 (3): 27-30.
4. Ajaya Kumar Trivedi, Suresh Kumar Verma, (2015). Safalata Gatha – Parvatiya Kshetron Mein Audyanik Phasalon Hetu Paudhshala: Rozgar Avam Aay Ka Uttam Sadhan. *Udyan Rashmi* 15 (1&2): 65 - 66.
5. A. K. Trivedi and S. K. Verma (2016). Success Story - Production of Quality Planting Material of Horticultural Crops: A Boon for Farmers. *Indian Horticulture*, 61 (2): 35 – 36.

**No. of Students Guided (M.Sc.) :** 1

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

**Awards / Recognitions / Fellowship:**

1. Awarded “Excellence in Research Award” of Dr. Ram Avatar Shiksha Samiti (DRASS) in 2019.
2. Awarded “Scientist of the Year Award 2018” of Society for Science & Nature.
3. Awarded “Eminent Scientist Award 2018” of Samagra Vikas Welfare Society.
4. Fellow Society for Science and Nature.
5. Fellow Association for the Advancement of Biodiversity Science.