

Brief Profile

Name: SUSHIL KUMAR PURBEY

Date of Birth: 15th June, 1969,

Qualifications: Ph.D. (Horticulture)

Designation: Principal Scientist (Horticulture)

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Technologies developed:

- a) Developed Litchi wine technology
- b) Production of litchi squash and canned litchi
- c) Technology for preparation of litchi nut
- d) Technology for production of export quality fruits through management of edaphic factors
- e) Production of dehydrated litchi pulp (litchi raisin)
- f) Development and identification of new variety of Litchi - Gandaki Yogita
- g) Identified correct maturity indices and harvesting time in litchi cv. Shahi
- h) Post-harvest protocol to enhance shelf life of litchi fruit
- i) Litchi based farming system for low lying area

Research publications:

- a) Purbey, S. K. and Sen, N. L. 2005. Effect of bio inoculants and bio regulators on productivity and quality of fenugreek (*Trigonella foenum-graecum* L). *Indian journal of agricultural science*, 75 (9), 608-11.
- b) Purbey, S. K. and Sen, N. L. 2005. Response of fenugreek (*Trigonella foenum graecum* L.) to bio inoculants and plant bio regulators. *Indian Journal of Horticulture* 62 (4), 416-18.
- c) Purbey, S. K. and Meghwal, P. R. 2005. Effect of pre sowing seed treatment on seed germination and vigour of aonla seedlings. *Research on Crops* 6: 560-561.
- d) Purbey, S. K. and Sen, N. L. 2007. Effect of bioinoculants and bioregulators on yield and nutrient uptake by fenugreek (*Trigonella foenum-graecum* L.). *Indian Journal of Agricultural Research* 41 (2), 154-57.
- e) Purbey, S. K. and Kumar, A. 2015. Effect of Pre-harvest bagging on quality and yield of litchi (*Litchi chinensis* Sonn) Fruits. *The Ecoscan VII* (Special issue): 197-201.
- f) V Kumar, Purbey S. K. Anal A K D. 2016. Losses in litchi at various stages of supply chain and changes in fruit quality parameters. *Crop Protection*, 79: 97-104.
- g) Purbey, S. K., Singh, S. K. And Pongener, A. 2019. Management of light for quality production of litchi. *Int. J. of Bio-resource and Stress Management* 10 (5): 529-538
- h) Purbey, S. K. And Pongener. A. 2019. Recipes for production of litchi squash and storage behaviour at different conditions. *Chem Sci Rev Lett* 8 (32): 210-215.

- i) Purbey, S. K., Meena, S. L. and Dev, R. 2019. Influence of Soil Working Techniques and Planting Methods on Growth Performance of Fruit Plants in Kachchh Region of Gujarat. *Int. J. Curr. Microbiol. App. Sci* 8 (01), 1874-1882.
- j) Purbey, S. K., Pongener, A. And Marboh, E. 2019. Advances in packaging of litchi fruit to maintain the quality. *Current Journal of Applied Science and Technology* 38(1): 1-11.
- k) Patel, R. K., Srivastava, K., Pandey, S. D., Kumar, A., Purbey, S. K., and Nath, V. 2020. Productivity improvement of low-lying area with litchi (*Litchi chinensis*) based integrated system. *Indian Journal of Agricultural Sciences* 90(4): 762–6.

International Visits:

Underwent three months International training on Fermentation Technology during 2011 in the Dept. of Physics and Chemistry, Biotechnology Research Centre, UNCP, NC. USA.

Awards:

- Fellow of Confederation of Horticulture Associations of India (CHAI), New Delhi (2014).
- Fellow of Society for Scientific Development in Agriculture & Technology (SSDAT), Meerut (U.P.) for outstanding contribution in the field of Horticulture (2018).
- National Fellow Award by New Age Mobilization Society, Meerut, UP, for outstanding contribution in the fields of science and technology (2019).
- Certificate of Appreciation by Science for Society, Bihar, Bihar Council of Science and technology, SCERT, Bihar.
- Commendation Certificate by Town Official language Implementation Committee, Muzaffarpur, Dept. Of Raj Bhasha, Ministry of Home Affairs, GoI.