

Brief Resume of Dr. S.K. Purbey

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Research Specialization

Horticulture- quality fruit production, value addition, processing, postharvest management, supply chain management of fruit crops, establishment of orchard & orchard management, integrated farming system, training and extension activities

Academic background

1988-92 B.Sc. (Ag.), First Class, Institute of agricultural Sciences, BHU, Varanasi
1992-94 MSc. Ag. (Hort.), 1st Class, Gold medallist, Institute of agricultural Sciences, BHU, Varanasi
2001-2004 Ph. D. (Hort.), 1st Class, Rajasthan College of Agriculture, MPUA&T, Udaipur, Rajasthan, Merit certificate
1st August 2011- Oct. 2011-**Foreign training on Fermentation Technology**, Lab. of Biotechnology Research Centre of Dr, L D Holmes, Dept. of Physics and Chemistry, UNCP, North Carolina, US

Profession Service experience

1996-2002	Scientist (Hort.)	ICAR-CAZRI, RRS, Kukma, Bhuj, Gujarat
2002-2005	Scientist (SS) (Hort.)	ICAR-CAZRI, RRS, Kukma, Bhuj, Gujarat
2005-2006	Sr. Scientist (Hort.)	ICAR-CAZRI, RRS, Kukma, Bhuj, Gujarat
2006-2013	Sr. Scientist (Hort.)	ICAR-NRC on Litchi, Muzaffarpur, Bihar
2014-2019	Pr. Scientist (Fruit Scientist)	ICAR-NRC on Litchi, Muzaffarpur, Bihar
2019- contd.	Pr. Scientist	ICAR-MGIFRI, Motihari, Bihar

Awards Honours & Recognitions

2016-19 Certificate of Appreciation by Science for Society, Bihar, Bihar Council of Science and technology, SCERT, Bihar during 2016, 2017, 2018 and 2019 for acting as resource person and member of jury committee
2019 National Fellow Award by New Age Mobilization Society, Meerut, UP. For outstanding contribution in the field of science and technology 2019
2018 Fellow of Society for Scientific Development in Agriculture & Technology(SSDAT), Meerut (U.P.) for outstanding contribution in the field of Horticulture 2018

- 2015-17 Commendation Certificate by Town Official language Implementation Committee, Muzaffarpur, Dept. Of Rajbhasha, Ministry of Home Affairs, GOI during 2015, 2016 and 2017
- 2014 Fellow of Confederation of Horticulture Associations of India (CHAI), New Delhi 2014
- 2009 First Prize in Horticulture exhibition NHM, District Horticulture Development Samiti, Samastipur, Bihar in 2009
- 2007 Best Poster Paper award for presenting a paper entitled “Value addition in Litchi” 2nd Indian Horticulture Congress, 2007
- 2001-2002 Certificate of Merit for standing First in Ph.D. (CW) during 2001-02 by RCA, MPUA&T, Udaipur, Rajasthan
- 1994 BHU Medal for standing First in Horticulture at the MSc. (Ag.) Examination In 1994

Concepts, Processes, Patents and Varieties

1. Pericarp browning in litchi
2. Development and identification of new variety of Litchi ***Gandaki Yogita***
3. Techniques and methodology for hydro-cooling of litchi fruits
4. Techniques and methodology for litchi fruit and pulp preservation
5. Management of fruit cracking in litchi
6. Priming of Aonla seed for better germination and growth
7. Screening of ber cultivars for Kutch region of Gujarat
8. Screening of grass varieties for Kutch region of Gujarat
9. Introduction of Henna in Kutch region of Gujarat

Products and Technologies

1. Pre harvest spray for quality fruit production
2. Litchi wine technology
3. Technology for production of litchi squash and canned litchi
4. Technology for preparation of litchi nut
5. Technology for production of export quality fruits through management of edaphic factors (Fruit bunch bagging)
6. Extending the harvesting period of litchi through shade net technology
7. Production of dehydrated litchi pulp (litchi raisin)
8. Thermocol packaging of litchi fruits
9. Integrated pre and post-harvest treatments for improved quality of litchi fruits
10. Correct maturity indices and harvesting time in litchi cv. Shahi
11. Postharvest protocol to enhance shelf life of litchi fruit
12. Litchi based farming system for low lying area

Publications

More than 90 Research papers, abstracts, lead papers, book chapter, manuals, technical bulletins, extension folders, popular articles etc.

Best-11 publications

1. Kumar, V., **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.
2. **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.
3. 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.
4. **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): 416-418.
5. **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.
6. **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.
7. **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.
8. **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 (British Journal of Applied Science and Technology)*, 9, 38(1): 1-11.
9. **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.
10. Kumar, V, **Purbey, S.K.**, Pongener, A. Anal, A.K.D. and Nath, V. 2016. Effect of some fructoplane antagonists and post-harvest dip treatments on litchi fruit rot and shelf life. *International Journal of Tropical Agriculture* 34 (2): 333-343.
11. **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).
