

Profile

Dr. Narayan Lal

Designation: Senior Scientist (Hort. Fruit
Science) Division of Soil Chemistry
and Fertility

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Research specialization:

Fruit Crop Improvement, Fruit Breeding, Crop Production

Conservation and characterization of fruit crops, hybridization and crop improvement in litchi through conventional breeding, productivity and quality improvement through integrated nutrient management

Professional Experience:

Position held	Institution	Year
Scientist	ICAR-NAARM, Hyderabad	1 st January, 2013 to 10 th April, 2013
Scientist	ICAR-National Research Centre on Litchi, Muzaffarpur-842004, Bihar	11 th April, 2013 to 31 st December, 2018
Scientist (Sr. Scale)	ICAR-National Research Centre on Litchi, Muzaffarpur-842004, Bihar	1 st January, 2018 to 23 rd December, 2019
Scientist (Sr. Scale)	ICAR- Indian Institute of Soil Science, Nabibagh, Berasia Road, Bhopal, MP	24 th December, 2019 to 31 st December, 2022
Scientist (Senior Scientist)	ICAR- Indian Institute of Soil Science, Nabibagh, Berasia Road, Bhopal, MP	1 st January, 2023 to till date

Awards and Honours:

ICAR-JRF for M.Sc. (Agri)	2008
ICAR-SRF for Ph.D. (Agri)	2015
Fellow of Confederation of Horticultural Association of India	2014
Best Ph.D. Thesis Award	2019
Young Scientist Award	2019

Top Ten publications:

- **Lal N, Sahu N, Marboh ES, Gupta AK, Kumar A and Nath V. 2021.** Effect of Pollen Grain and Pollination Period on Fruit Set in Litchi (*Litchi chinensis* Sonn.). *National Academy of Science Letters*. 44(5):461–464. (NAAS rating: 6.28)
- **Lal N, AK Gupta, ES Marboh, Kumar A and Nath V. 2021.** Effect of mode of pollination on fruit set and fruit characteristics in litchi. *Erwerbs-Obstbau*. 63: 227-232. (NAAS: 7.05)
- **Lal N and Sahu N. 2022.** Screening of litchi (*Litchi chinensis* Sonn.) genotypes against sun burn. *Bangladesh Journal of Botany*. 51(1): 37-43. (NAAS rating: 6.31)
- **Lal N, Singh A, Kumar A, Marboh ES, Jayswal DK, Pandey SD and Nath V. 2022.** Effect of temperature, flowering time and inflorescence length on yield and productivity of litchi cv. ‘Shahi’. *Indian Journal of Agricultural Science*. 92 (5): 611-614. (NAAS rating: 6.37)
- **Lal N, Sahu, N, Kumar A and Pandey, SD. 2022.** Effect of rainfall and temperature on sun burn and fruit cracking in litchi. *Journal of Agrometeorology*. 24(2): 169-171. (NAAS rating: 6.55)
- **Lal N, Kumar A, Singh A, Marboh ES, Gupta AK, Pandey SD and Nath V. 2023.** Standardization of number of flowers to be pollinated per panicle for hybridization in litchi and assessment of effective duration of pollination. *Erwerbs-Obstbau*. 65: 487–492. (NAAS: 7.21)
- **Lal N, Pandey SK and Nath V. 2023.** Genetic diversity and grouping of litchi genotypes based on 83 qualitative and quantitative traits. *Erwerbs-Obstbau*. 65:1003–1012. (NAAS: 7.21)
- **Lal N, Singh A, Singh SK, Kumar A, Pandey SD and Nath V. 2023.** Morphological diversity in litchi based on phenological traits. *Indian Journal of Horticulture*. 80(1): 30-36. (NAAS: 6.00)
- **Lal N, Pongener A, Kumar A and Pandey SD. 2023.** Studies on bioactive compounds and antioxidant activity of litchi (*Litchi Chinensis* Sonn.) fruit cultivars under field conditions. *National Academy of Science Letters*. 46(1):7–10. (NAAS: 6.65)
- **Lal N, Singh A, Kumar A, Marboh ES, Gupta AK, Pongener A, Nath V and Pandey SD. 2023.** Hurdles in developing hybrids: Experience from a decade of hybridization in litchi. *Euphytica* (accepted). (NAAS: 8.19)