

Brief Bio-data



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| Name | : | Dr Prince Kumar |
| Designation | : | Senior Scientist |
| Division | : | Crop Production |
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Education: Ph.D.

| S.No. | Institution/ University | Degree Awarded | Year | Discipline/ Subject |
|-------|-------------------------|----------------|------|----------------------------------|
| 1 | Dr YSP UHF, Solan (HP) | Ph.D. | 2014 | Vegetable Science |
| 2 | Dr YSP UHF, Solan (HP) | M. Sc. | 2011 | Horticulture (Vegetable Science) |
| 3 | Dr YSP UHF, Solan (HP) | B. Sc. | 2009 | Horticulture |

Position and Employment (Starting with the most recent employment)

| S. No. | Institution Place | Position/ Designation | Department/ Division | From (date) | To (date) |
|--------|---------------------------|-----------------------|-------------------------|-------------|------------|
| 1 | ICAR-NAARM, Hyderabad | Scientist | 99 th FOCARS | 01.01.2014 | 29.03.2014 |
| 2 | ICAR-CPRI (RS), Jalandhar | Scientist | Crop Production | 03.04.2014 | 31.12.2017 |

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| 3 | ICAR-CPRI (RS), Jalandhar | Scientist (SS) | Crop Production | 01.01.2018 | 31.12.2022 |
| 4 | ICAR-CPRI (RS), Jalandhar | Senior Scientist | Crop Production | 01.01.2023 | Till date |

Major Area of Research:

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| ➤ | Integrated nutrient management studies. |
| ➤ | Crop modelling & climate change studies. |
| ➤ | Crop geometry and configuration studies |
| ➤ | Nutrient use efficiency studies. |

Research Papers:

Kumar Prince, Sharma J, Sharma A, Singh M, Nare B and Kumar M. 2024. Identification, management and pecuniary impact of major carbon footprint contributor in potato production system of north-west India. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2024.e30376>. **(NAAS – 10.0)**

Kumar Prince, Kumar Raj, Shah M Abas, Singh RK, Sharma AK, Kumar Raj and Dua VK. 2023. Tuber yield and incidence of virus-vectors in late-planted seed potato crops in north-western plains of India. *Potato Research*. <https://doi.org/10.1007/s11540-022-09604-6>. **(NAAS – 8.90)**

Kumar Prince, Dua VK, Sharma Jagdev, Byju G, Minhas JS and Chakrabarti SK. 2018. Site specific nutrient requirements of NPK for potato (*Solanum tuberosum* L.) in western Indo-gangatic plains of India based on QUEFTS. *Journal of Plant Nutrition*. **41**(15):1988-2000. **(NAAS – 8.10)**

Kumar Prince, Byju G, Singh BP, Minhas JS and Dua VK. 2016. Application of QUEFTS model for site specific nutrient management of NPK in sweet potato (*Ipomea batatas* L. Lam.). *Communication in Soil Science and Plant Analysis*. **47**(13-14): 1599-1611. **(NAAS – 7.80)**

Kumar Prince, Sharma J, Kumar D, Sharma V, Dua VK, Sharma A, Kumar R and Kumar M. 2021. Apposite macronutrient fertilization (AMNF) – an effective modus operandi for potato crop. *Indian Journal of Agricultural Sciences*. **91**(2): 244-248. **(NAAS – 6.40)**

Kumar Raj, **Kumar Prince**, Shah Mohd Abas, Singh Rajesh Kumar, Sharma Ashwani Kumar and Sharma Jagdev. 2023. Influence of planting geometries on tuber yield and profitability of seed potatoes (*Solanum tuberosum* L.) in north western plains of India. *Indian Journal of Agricultural Sciences*. **93**(6): 16-21. **(NAAS – 6.40)**

Kumar Prince, Kumar D, Sharma J, Saha S, Nare B, Sharma A, Kumar R, Gupta YK, Gupta VK, Dua VK and Pandey NK. 2021. Impact of concurrent elevation in CO₂ and temperature on tuber yield and associated traits of potato genotypes. *Potato Journal*. **48**(2): 134-140. **(NAAS – 5.29)**

Kumar Prince, Minhas JS, Sharma Jagdev, Dua VK, Kumar Devendra, Saha Sunayan and Gupta YK. 2018. Impact of elevated CO₂ level on growth, tuber yield and mineral content of Indian potato cultivars. *Potato Journal*. **45**(2): 123-130. **(NAAS – 5.29)**

Minhas JS, **Kumar Prince**, Kumar Devendra, Dua VK and Gupta YK. 2018. Response of potato to elevated CO₂ under short days: Growth, physiological parameters and tuber yield. *Indian Journal of Horticulture*. **75** (1): 82-86. . **(NAAS – 6.13)**

Dua VK, Minhas JS, Rawal S, Singh SP, Singh SK, **Kumar Prince**, Pathania R, Kapoor T, Sharma J, Sharma, SK, Mankar P, Rawat S, Singh BP and Chakrabarti. 2018. Calibration and validation of WOFOST model for seven potato (*Solanum tuberosum*) cultivars in India. *Indian Journal of Agronomy*. **63**(3): 80-88. **(NAAS – 5.21)**