



Name: Suresh Janardhan Gawande

Designation: Principal Scientist (Plant Pathology)

Qualification: Ph.D (Plant Pathology)

Specialization: Plant Virology, Vector Biology

Research Accomplishments:

Developed molecular diagnostics for the detection of onion and garlic viruses. Established the etiology of emerging onion and garlic viruses. Developed barcoding markers for vectors of *Allium* viruses such as thrips, aphids and mites. Developed interventions for Integrated Disease Management (IDM) for the management of onion and garlic diseases.

10 best publications

1. Gawande, S. J., Anandhan, S., Ingle, A. A., Jacobson, A., & Asokan, R. 2017. Heteroplasmy due to coexistence of mtCOI haplotypes from different lineages of the Thrips *tabaci* cryptic species group. *Bulletin of Entomological Research*, **DOI:**<https://doi.org/10.1017/S0007485317000025>
2. Gawande S.J., Gurav V.S., Ingle A.A. D.P. Martin, Asokan, R. and Gopal J. 2015. Sequence analysis of Indian iris yellow spot virus ambisense genome segments: evidence of interspecies RNA recombination. *Archives of Virology* (2015), **DOI:**10.1007/s00705-015-2354-x
3. Gawande SJ, Gurav VS, Ingle AA and Jai Gopal. 2015. First report of Garlic virus A in garlic from India. *Plant Disease* **DOI:**<https://doi.org/10.1094/PDIS-11-14-1210-PDN>
4. S. J. Gawande, V. S. Gurav, A. A. Ingle, and J. Gopal. 2014. First Report of Leek yellow stripe virus in *Allium sativum* in Western India **DOI:** <https://doi.org/10.1094/PDIS-11-13-1163-PDN>
5. Gawande, S.J., Khar, Anil and Lawande, K.E. 2010. First Report of *Iris yellow spot virus* on Garlic in India. *Plant Disease*. **DOI:** <https://doi.org/10.1094/PDIS-94-8-1066C>
6. SJ Gawande, KP Chimote, VS Gurav, J Gopal.2013.Distribution and natural incidence of Onion Yellow Dwarf virus (OYDV) on garlic and its related *Allium* species in India. *Indian Journal of Horticulture* 70 (4), 544-548
7. Gawande, S.J., Arti Shukla, V.P. Chimote, Nimisha Kaushal, Priyanka Kaundal, I.D. Garg and K.P. Chimote. 2011. Development of PCR-Based Techniques For The Detection Of Immobilised PVY Virions. *Journal of Plant Pathology*. **93** (1) 127-132
8. IDGarg, Priyanka Kaundal, Nimisha Kaushal and SJ Gawande. 2008 A novel method of storage for potato viruses *Indian Journal of Virology* **19** (1), 36-40
9. SJ Gawande, Priyanka Kaundal Nimisha Kaushal and ID Garg. 2006. Print capture PCR-a simple

technique for the detection of tomato leafcurl New Delhi virus- a casual agent of potato apical leafcurl disease in India. *Potato Journal*, **34**:82-83

10. Nimisha Kaushal, SJ Gawande, Priyanka Kaundal and ID Garg. 2006. Reverse transcription polymerase chain based detection of PVS^O and PVS^A strains by using degenerate primers. *Potato Journal* **34**:87-86