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Important Research Publications

- Rattan UK, Kumar S, Kumari R, Bharti M, and Hallan V. 2022. Homeobox 27, a Homeodomain transcription factor, confers tolerances to CMV by associating with cucumber mosaic virus 2b protein. *Pathogens*. 11, 788.
- Kumar S, Abebie B, Kumari R, Kravchik M, Shnaider Y, Cohen M, Leibman D, Gaba V, and Gal-On A. 2022. Development of PVY resistance in tomato by knockout of host eukaryotic initiation factors by CRISPR-Cas9. *Phytoparasitica*.
- Kravchik M, Shnaider Y, Abebie B, Cohen M, Kumari R, Kumar S, Leibman D, Spiegelman Z, and Gal-On A. 2022. Knockout of SITOM1 and SITOM3 results in differential resistance to tobamovirus in tomato. *Molecular Plant Pathology* 23(9):1278-89. Kumari R, Kumar S, Leibman D, Abebie B, Shnaider Y, and Gal-On A. 2021. Cucumber RDR1s and cucumber mosaic virus suppressor protein 2b association directs host defense in cucumber plants. *Molecular Plant Pathology*. 22(11):1317-31.
- Kumari R, Kumar S, Singh L, and Hallan V. 2016. Movement protein of *Cucumber mosaic virus* associates with apoplastic ascorbate oxidase. *PLoS ONE* 11(9): e0163320.
- Kumar S, Kumari R, and Hallan V. 2017. Sequence independent amplification with genome multiplexing to establish genome of multipartite RNA viruses: *Cucumber mosaic virus* as a case study. *Journal of Phytopathology*. Kumar S, Subbarao BL, Kumari R, and Hallan V. 2017. Molecular characterization of a novel cryptic virus infecting pigeonpea. *PLoS ONE* 12(8): e0181829.
- Chaudhary P, Kumari R, Singh B, Hallan V, and Nagpal AK. 2018. First report of potato virus M, potato virus Y and cucumber mosaic virus infection in *Solanum nigrum* in India. *Journal of Plant Pathology*.
- Kumari R, Bhardwaj P, Singh L, Zaidi AA, and Hallan V. 2013. Biological and molecular characterization of *Cucumber mosaic virus* subgroup II isolate

causing severe mosaic in cucumber. Indian Journal of Virology (now known as Virus Disease) 24: 27-34.

- Sharma S*, Kumari R*, Kumar S, Singh N, and Hallan V. 2016. Characterization of *Cucumber mosaic virus* isolates from *Valeriana jatamansi*, a medicinal herb in India. Journal of Plant Pathology 98. (*Authors contributed equally).