

Dr Reenu Kumari

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Specialisation: Plant-Microbe interaction,
Plant virology, Stress Physiology

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Important Research Publications

Kumari R, Kumar S, Rattan UK, Purohit R, Singh L, and Hallan V. 2026. The rubisco small subunit of cucumber interacts with the cucumber mosaic virus movement and silencing suppressor proteins. *Physiology and Molecular Biology of Plants*. <https://doi.org/10.1007/s12298-026-01720-8>. (NAAS: 9.3)

Kapoor K, Kumar S, **Kumari R**, Singh L and Hallan V. 2024. Cucumis sativus glycine rich protein interacts with cucumber mosaic virus 2b protein. *South African Journal of Botany* **171**: 67-76. (NAAS: 8.7)

Rattan UK, Kumar S, **Kumari R**, Bharti M, and Hallan V. 2022. Homeobox 27, a Homeodomain transcription factor, confers tolerance to CMV by associating with cucumber mosaic virus 2b protein. *Pathogens* **11**: 788. (NAAS: 9.3)

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* **50**: 743-756. (NAAS: 7.5)

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. (NAAS: 10.9)

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. (NAAS: 10.9)

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. (NAAS: 8.6)

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* **165(6)**:361-366. (NAAS: 7.1)

Kumar S, Subbarao BL, **Kumari R**, and Hallan V. 2017. Molecular characterization of a novel cryptic virus infecting pigeonpea. *PLoS ONE* **12(8)**: e0181829. (NAAS: 8.6)

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. (NAAS: 5.83)

Awards/Fellowships

CSIR-NET-Life Sciences in December 2005 and June 2006

CSIR-JRF(NET)-Life Sciences in December 2007

ARO, Volcani, Israel-Postdoctoral fellowship (November 2017-September 2020)