

SENSORS

- **Strips for early and rapid detection of Cucumber Mosaic Virus (CMV):**
 - ✓ A low cost eco friendly strip for early detection of a plant virus which is being moved towards a provisional patent.
 - ✓ This newly developed basal stratum was used for the field level early detection of the plant virus as an alternative to commercially available nitrocellulose membranes.
 - ✓ The results were on par with the routinely used diagnostic strips wherein the viral presence was detected in different field collected samples across Karnataka.

- **Biosensor for early detection of Papaya Ring Spot Virus (PRSV) infecting Papaya:**
 - ✓ An electrochemical device has been developed for the detection of a plant virus which is being moved towards a provisional patent.
 - ✓ This developed device was very effective in the early detection of plant virus in the lab and also field as well.
 - ✓ We were able to obtain broad spectrum detection of the plant virus collected from filed samples across different states in South India.