


Name: Dr. R. P. Pant

Designation: Senior Scientist (Plant Pathology)

Email: rajendrappant@gmail.com Fax: 03952-257289 Phone: 03592-257703		
Qualification:	Ph.D. (Plant Pathology)	
Specialization:	Plant Virology	
Professional Experience:	20 years	
Publications: <ol style="list-style-type: none"> Research paper-40 Popular Articles - Books- Nil Book Chapters -13 Bulletins-04 		
Training (International): <ul style="list-style-type: none"> Received one week training on operation and maintenance of JEM-1011, Transmission Electron Microscope (TEM), at JEOL Ltd., Tokyo, Japan from October 20-24, 2003. 		
Training (National): <ul style="list-style-type: none"> Attended a training programme on development of dipstick kit for orchid viruses from 17-19 April, 2011 at Central Potato research Institute, Shimla. 2. Attended a three day training programme on Real Time PCR from 2.8.10 to 4.8.10 at Labindia Instruments PVT. Ltd. Gurgaon, Haryana. 3. Received three weeks training on electron microscopy for Scientific Investigators held from 19.2.1996 to 12.3.1996 at Sophisticated Instruments facility for Electron Microscopy, Department of Anatomy, All India Institutes of Medical Sciences, New Delhi. 		
Recognition: <ul style="list-style-type: none"> Treasurer, National Conference on National Consultation for production and Utilization of orchids 19 – 21, 2011. Chairman, Plant Pathology Section in Annual Research Council meeting, Indian Cardamom Research Institute, Regional Centre, Tadong, Gangtok (2008-12) Chairman, Standing Purchase Committee, NRC for orchids. (2007 – till date) Member, Parliamentary Committee inspection on Hindi at NRC for Orchids 2012 		
Award: <ul style="list-style-type: none"> Received jointly James M and Adeline Wallace Award (a plaque and 200 US \$) for outstanding paper presented at the 1995 Conference of the International Organization of Citrus Virologists and published in the 13th proceedings of IOCV, University of California. Dr. K.P.V. Menon Best Poster Paper (2005). Commendation Award at 58th General Body Meeting of the Indian Phytopathological Society held at North Bengal University, Siliguri from 31.01.2006-02.02.2006. Received Prof. M. J. Narashimhan Medal Award Certificate for best paper published in 2010 in Indian Phytopathology on 4th Dec. 2011 at University of Hyderabad during 64th Annual Conference of the Indian Phytopathological society. Received best poster award in National Conference on National Consultation for Production and 		

Utilization of Orchids held at Pakyong, Sikkim from Feb. 9-21, 2011.

Brief Achievement :

- Development of Polyclonal antibodies of CymMV and ORSV against their recombinant coat protein
- Detection of Cymbidium mosaic virus (CymMV) and Odontoglossum ringspot virus (ORSV) from orchid plantation in Sikkim and Darjeeling hills by ELISA and RT-PCR
- Molecular characterization of orchid anthracnose from India
- A new ecto-parasite nematode identified with root necrosis disease of Cymbidium hybrids
- Characterization of Indian citrus ringspot virus (ICRSV) and Citrus mosaic badnavirus (CMBV)
- Characterization of Chirke disease of large cardamom
- Application of Electron microscope facility for the detection of plant viruses

Selected Publications :

- **Pant, R. P.**, Das, M., Khan, M.R., Pun, K.B. and Medhi, R.P. (2012). Association of an ecto-parasite nematode- *Helicotylenchus microcephalus* Sher, with poor growth of Cymbidium hybrids in Sikkim. *Indian Phytopath.* **65 (2)**: 196-197.
- **Pant, R. P.**, Mrinal, Das, K. B. Pun, P. Ramachandran, and R. P. Medhi, (2010) Occurrence of Cymbidium mosaic and Odontoglossum ringspot viruses in orchid germplasm of Sikkim and Darjeeling hills, their identification and diagnosis. *Indian Phytopath.* **63 (3)**: 326-332.
- Rani, P., **Pant, R. P.** and Jain, R.K. (2010). Serological detection of Cymbidium mosaic and Odontoglossum ringspot viruses in orchids with polyclonal antibodies produced against their recombinant coat proteins. *J. Phytopathology.* **158**:542-545.
- Das, D.R., Singh, Lokendra, **Pant, R. P.** and Ahlawat, Y.S. (2010). Characterization of a new Carlavirus isolated from football lily (*Scandoxus katharine*) in India. *Indian Phytopath.* **63**:433-437.
- **Pant, R. P.** and Ahlawat, Y. S. (1998). Partial characterization of the virus associated with a ringspot disease of citrus. *Indian Phytopath.* **51**: 225-232.
- 6. **Pant, R. P.** and Ahlawat, Y.S. (1997). Partial characterization of citrus mosaic virus. *Indian Phytopath.* **50**: 557-567.
- Mandal, B., Vijayanandaraj, S., Shilpi, S., Pun, K.B., Singh, V., **Pant, R. P.**, Jain, R.K., Varadarasan, S. and Varma, A. (2012). Disease distribution and characterization of a new macluravirus associated with chirke disease of large cardamom. *Annals of Applied Biology.* **160**:225-236.
- Ahlawat, Y.S., **Pant, R.P.**, Lockhart, B.E.L., Srivastava, M., Chakraborty, N.K. and Varma, A. (1996) Association of a badnavirus with citrus mosaic disease in India. *Plant Disease.* **80**: 590-592.