



Prof. Narayan Rishi, Ph. D.

Professor and Advisor

Amity Institute of Virology and Immunology, Amity University UP

Position Held: Formerly Professor of Virology & Head Department of Plant Pathology, CCS Haryana Agricultural University, Hisar 125 004 (Haryana)

Field of Specialization: Virology, Biotechnology (Tissue Culture, Molecular Biology, Genetic Engineering)

Positions of Academic Honour:

McKnight, USA, Int Travel Grant	Develop International Collaborative Project on Geminiviruses	2001	Amongst institutes in India, Israel, France and USA
Visiting Professor	Molecular Virology	1993	Universität Hohenheim Stuttgart, Germany
Visiting Professor	Molecular Virology	1986	Oregon State University Corvallis, USA
Smithsonian Inst Fellowship	Phytoplasma	1979	Dept of Entomology Rutgers, Newjersy, USA
Post Doctoral JSPS Fellow	Electron Microscopy of Phytoplasma/Virus Diseases	1971-74	University of Tokyo Tokyo, Japan

Projects:

Principal Investigator of eight Projects funded by Indian and Foreign Funding Agencies out of which following three were mega projects.

Mega Projects:

- Development of Transgenics in Four Major Crops - Cotton, Rice, Mungbean and Tomato for Resistance to Biotic Stresses (Funding-DBT) July 1999-December 2004
- Seed and Crop Improvement of Northern India Pulses - Pisum and Vigna Crops through Control of Seed-Borne (Mosaic) Viruses (US-India Fund) 1985-1990
- Investigations on Tomato Leaf Curl Virus Disease (Funding-ICAR) 1978-83

Research:

40 years of research experience on viral and phytoplasmal diseases of vegetables, pulses, sugarcane and cotton with special reference to molecular studies, detection, diagnosis, generation of virus resistant GM plants, virus free plants through tissue culture, and eco-friendly management.

Total NO of publications: 159 (including research papers, reviews, chapters, manual, books and popular articles)

Teaching:

37 years of teaching experience

Courses taught:

1. Molecular Virology
2. Molecular Aspects of Plant Pathogenesis
3. Plant Biotechnology
4. genetic Engineering
5. General Virology
6. General Microbiology
7. Advanced Seed Pathology
8. Phytopathological Techniques
9. Diseases of Crop Plants
10. Diseases of Fruits and Vegetable Crops

11. Principles of Plant Pathology

Major Advisor-Post Graduate Students:

- Ph.D.: 9; M.Sc.: 6

Extension:

Extended expert advisory services to the extension scientists, agriculture development officers and other government and private agencies and farming community through personal discussions, lectures and mass communication media like All India Radio and Doordarshan.

Extra Academic Activities & Awards:

- Member, Research Advisory Committee, Central Tuber Crops Research Institute, Trivandrum (2012-2014)
- Member, Research Advisory Committee, Indian Institute of Spices Research, Calicut (2005-2007)
- Member, Research Advisory Committee, Central Research Institute on Jute and Allied Fibers, Barrackpore, Calcutta (2004-2007)
- Member, Research Advisory Committee, Central Potato Research Institute, Shimla (2001 to 2003)
- Member, Quinquennial Review Team (QRT), Central Agricultural Research Institute, Portblair, Andman & Nicobar Islands
- Member, QRT, Indian Institute of Sugarcane Research, Lucknow (2010)
- Member, QRT, All India Coordinated Research Improvement Program on Sugarcane (2010)
- Member, QRT, Central Institute of Cotton Research, Nagpur (2007-2008)
- Member, QRT, All India Coordinated Research Improvement Program, Cotton; Coimbatore (2007-2008)
- Member, QRT, Central Institute of Subtropical Horticulture, Lucknow (2007)
- Member, QRT, National Centre of Grape, Pune (2007)
- Member, QRT, National Centre of Leechi, Muzaffarpur (2007)
- Member, QRT, National Research Centre on Seed Spices, Ajmer (2006)
- Member, National Core Committee on the Restructuring of P. G. Curricula in Plant Protection, ICAR, New Delhi (2000 to 2002)
- **President, Indian Virological Society (2004-2008)**
- President, Indian Society of Plant Pathologists (2002-2003)
- President, (NZ), Indian Phytopathological Society (1998)
- General Secretary, International Working Group on Tropical Virology

- Founder Secretary, Indian Virological Society (two terms of 3 yrs each, 1985-91)
- Member, International Committee on Taxonomy of Viruses (ICTV)
- National representative to virology Division, International Union of Microbiological Society (IUMS)
- Editor, International Research Journal of Plant Science
- Editor-in-Chief, Associate Editor and Member Editorial Board - Association of Mycoplasmologists of India, Indian Virological Society, Indian Phytopathological Society and Indian Society of Mycology and Plant Pathology.
- Secretary, Board of Studies, College of Agriculture, CCS Haryana Agricultural University, Hisar (April 1999 March 2002)
- Member, Board of Studies, College of Agriculture Engineering, CCS Haryana Agricultural University, Hisar (April 1999 March 2002)
- Organized **“International Conference on Virology in the Tropics”** Dec. 2-6; 1991, Lucknow. (Sponsors: CSIR, IUMS, UNESCO, WHO, University of Lucknow and Indo-American Hybrids).
- Organized **“International Training Programme in Diagnostic Virology”**, 1996 (Sponsors: Australian Academy of Technological Science and Engineering, Australia and CCS Haryana Agricultural University, Hisar. **Trainees from 15 countries** including India participated)
- Organized **“International Conference on Emerging and Re-emerging Viral Diseases of Tropics and Subtropics”**, December 11-14, 2007; New Delhi. (Sponsors: ICAR, ICMR, DST, DBT, WHO)
- USDA certificate of appreciation in a mega project of which I was Principal Investigator.
- Prof. S. N. Das Gupta Memorial Lecture Award, 2003; IARI, New Delhi
- Prof. M. V. Nayudu Memorial Award, 2010; S. V. University, Tirupati