



Dr. Vidya Gupta

Senior Scientist, National Chemical Laboratory (NCL), Pune

Dr. Vidya Gupta has been working with the National Chemical Laboratory (NCL) since 1982, and presently holds the position of a Senior Scientist.

Dr Gupta did her B Sc. (Chemistry) in 1975 from Pune University. Later on she obtained M.Sc (Biochemistry) in 1977 from Pune University. Dr Gupta did her doctoral studies in Molecular Biology in 1981 from Pune University (worked at NCL). Dr Vidya Gupta has a spectacular research experience. She did her Post-Doctoral CSIR fellowship in 1981-82. Dr Vidya was a Visiting Scientist at Texas A & M University, College station USA in 1988-89 under the Raman Research Fellowship and also at Texas A & M University, College station USA in 1992.

Dr. Gupta's areas of interest include: host-pathogen/pest interactions, molecular markers for agro-economic traits, agricultural biotechnology, genetic diversity in wild population. Her areas of expertise are: plant biochemistry, molecular biology and genetic engineering with special reference to repetitive DNA organization in plants, genetic diversity in wild population, biotic stress in plants, molecular marker aided end product quantity improvement.

The most notable achievements of Dr. Gupta are:

- 1) Development of molecular markers linked to end product quality in wheat and sex in papaya.
- 2) Identification of efficient plant sources of proteinase inhibitors to combat insect attack on plants and isolation and characterisation of their respective genes.

Dr. Vidya Gupta was awarded the 'CSIR award for S&T (Science and Technology) Innovations for Rural Development' for the year 2007.

She is an editor for "Plant Cell Biotechnology and Molecular Biology". Dr. Vidya is also a reviewer for "Current Science", "India Journal for Plant Biotechnology and Biotechnology", India and for International Journals such as "Molecular Breeding", "BMC Journals" and "Genome".

Dr. Vidya Gupta also has to her credit patents in the field of Plant Biotechnology.