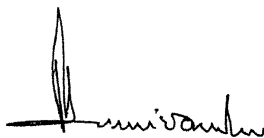


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CERTIFICATE

I certify that the thesis entitled **Studies on caulimovirus and potyvirus isolates naturally infecting groundnut (*Arachis hypogaea L.*) in Andhra Pradesh** submitted by Mr.T.Satyanarayana for the award of the degree of **Doctor of Philosophy in Botany** is a record of work done by him during the period 1987-1991 under my supervision, and that it has not previously formed the basis for the award of any degree or diploma or associate or fellowship or other similar title.



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