

## CERTIFICATE

It is certified that work presented in the thesis entitled “**Micropropagation, sex determination and assessment of genetic diversity in *Carica papaya*L.**” is a novel research work carried out in the Center for Plant Biotechnology, CCS HAU, new campus, Hisar and Department of Biotechnology, CDLU, Sirsa by **Mrs. Swati Panwar (Regn. No. 124575003)** for the degree of Doctor of Philosophy in Biotechnology under my supervision and has never been submitted in part or full for the award of any degree or diploma to this or any other university. The material that has been obtained from other sources has been acknowledged in the thesis.

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