



Certificate

It is hereby certified that the thesis “**Studies on microbial phosphate solubilization and development of inoculum formulations**” which is submitted by Miss **Gurdeep kaur, (Regd. No. 900900001)**, in fulfillment of the requirement for the award of the degree of **DOCTOR OF PHILOSOPHY** in the Department of Biotechnology, Thapar University, Patiala, Punjab, India, is a record of the candidate’s own independent and original research work carried out by her under my supervision and guidance. The matter embodied in this thesis has not been submitted in part or full to any other University or Institute for the award of any degree in India or abroad.

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