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Ref: VSI MB&GE KHB/11/2022-23

Date: 25th April, 2022

CERTIFICATE

This is to certify that the research work presented in this thesis entitled "**Genetic transformation of glycinebetaine accumulating genes in sugarcane calli by particle bombardment method**" has been carried out by **Mr. Ajay Chandrakant Shalvahan** Exam seat no. - **RNS2244860** under my supervision and this is his bonafide work. This research work is original and has not been submitted for any other degree to any other University. Further, he was a regular student and has worked under my guidance as a full time at Department of Molecular Biology and Genetic Engineering, Vasantdada Sugar Institute, Pune, until the submission of the thesis to Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.

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