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CERTIFICATE

This is to certify that the project report entitled " NANOPRIMING EFFECT OF PIPER BEETEL LEAF EXTRACT MEDIATED ZINC OXIDE NANOPARTICLE AND ITS EFFECT ON SEED GERMINATION " is a bonafide work carried out by **Shreya Poonja [229429]** under the guidance of **Dr. Remya Varadarajan**, in the Department of Post Graduate Studies and Research in Biochemistry, St. Aloysius College (Autonomous), Mangaluru.

The same is being submitted to the Department of Post Graduate Studies and Research in Biochemistry, St. Aloysius College (Autonomous), Mangaluru in partial fulfilment of the requirements for the award of Master of Science-Biochemistry. No part of this thesis has been presented for the award of any other degree.



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