

**“PREPARATION OF NUTRIENT SOLUTIONS AND ITS ASSESSMENT  
FOR HYDROPONIC CULTIVATION”**

*Dissertation submitted to the University of Kerala in partial fulfilment  
of the requirements for the degree of*

**MASTER OF SCIENCE**

**IN**

**BIOTECHNOLOGY**

**SUBMITTED BY**

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## **CERTIFICATE**

This is to certify that this dissertation entitled “**Preparation of Nutrient Solutions and it’s Assessment for Hydroponic Cultivation**” is a bonafide record of independent work carried out by **Ms. Merin Rajan..**, Department of Biotechnology, S.N. College, Kollam, under the supervision and guidance of Dr. Dhanyalekshmi C S at this institute in the period of 27<sup>th</sup> December 2022 to 25<sup>th</sup> February 2022. This is in partial fulfilment of the requirements for the Master’s Degree in Biotechnology, University of Kerala. It is also certified that the work presented in this thesis has not been submitted earlier for any other Degree or Diploma elsewhere.

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