

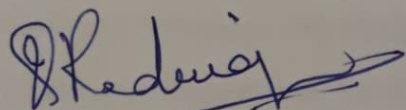
CERTIFICATE

This is to certify that the project report entitled "**Green synthesis of copper oxide and doped nanoparticles from musa acuminata stem extract for the application in photocatalytic activity and biological studies**" is a bonafide work carried out by **ARROONHA ALEX D SOUZA** bearing the **Reg No. 229304**, under the guidance of **Dr DIVYA N SHETTY** in the Department of PG Studies and Research in Chemistry, St. Aloysius College.

The same is being submitted to the Post Graduation Department of Chemistry, St. Aloysius College in partial fulfilment of the requirements for the award of **Master of Science -Analytical Chemistry**. No part of this thesis has been presented for the award of any other degree.

Place: Mangaluru

Date: 23/5/24

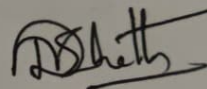


DR.VINOLA RODRIGUES

HOD

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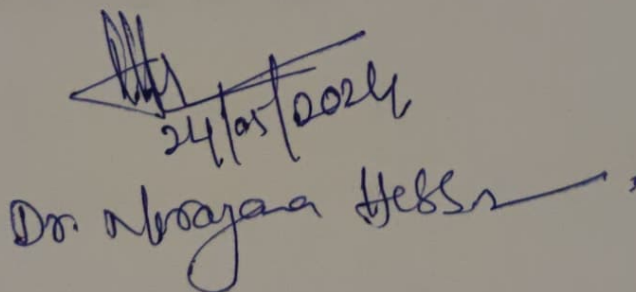


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INTERNAL GUIDE

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24/5/2024
Dr. Abhaya Hebbar