



Idhaya College for Women, Kumbakonam  
Accredited with A+ Grade by NAAC 1<sup>st</sup> Cycle

NAAC AQAR 2023-2024

1.3 Curriculum Enrichment

1.3.2 Number of Courses Project Work / Field Works /  
Internships

# Project Work

## Department of Microbiology

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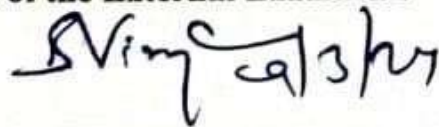
**Thanjavur (Dt).**

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### **CERTIFICATE**

This is to certify that this Dissertation “**ANTIBACTERIAL EFFECT OF COMMERCIAL FLOOR CLEANERS AGAINST BACTERIA ISOLATED FROM VARIOUS FLOOR SURFACES**” submitted by **S. ABINAYA (Register No. P 22393701)** under my guidance and supervision for the partial fulfilment of the requirements for the award of, Master of Science in Microbiology during the study period of 2022-2024 in Department of Microbiology, **Idhaya College for Women Kumbakonam- 612 001.** Affiliated to Bharathidasan University. Tiruchirapalli-12. I further that no part of thesis has been submitted anywhere else for the award of any Degree, Diploma, Associate, Fellowship or other similar titles to any candidate.

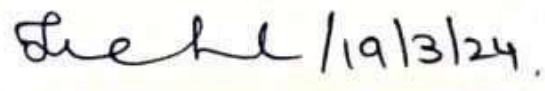
  
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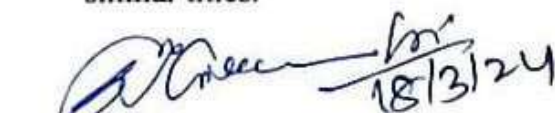
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**CERTIFICATE**


This is to certify that the dissertation entitled, "**PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ANALYSIS OF CRUDE EXTRACTS FROM *Cocos nucifera* (COCONUT) SHELL**" is a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of Master of science in Microbiology embodies the results of bonafide research work carried out by **Miss V. AKSHIYA CLAMANS**, Register No: P22393702 under my guidance and supervision at the Department of Microbiology is a bonafide record of work done in **Idhaya College for Women, Kumbakonam.**

I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associate ship, fellowship or any other similar titles.

  
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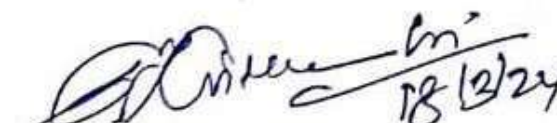
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### CERTIFICATE

This is to certify that this Dissertation entitled **“THE STUDY OF PRODUCTION OF BIO-ENZYMES BY *Hibiscus rosasinensis* AND TESTING ITS ANTIMICROBIAL ACTIVITY AGAINST SKIN INFECTION”** submitted by G. DHARANI (Reg. No. P22393703) under my guidance and supervision for the partial fulfilment of the requirements for the award of, Master of Science in Microbiology during the study period of 2022-2024 in Department of Microbiology, Idhaya College for Women Kumbakonam - 612 001. Affiliated to Bharathidasan University. Tiruchirapalli-12. I further that no part of thesis has been submitted anywhere else for the award of any Degree, Diploma, Associate, Fellowship or other similar titles to any candidate.


  
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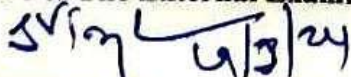
This is to certify that the dissertation entitled as **“DETERMINATION OF ANTIBACTERIAL ACTIVITY OF LEMON ZEST EXTRACT AGAINST THE ISOLATES FROM MAKEUP BRUSHES & SPONGES”** is a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of Master of Science in Microbiology embodies the result of Bonafide research work carried out by Mrs. FAHIS SALWA (Register No: P22393704) under my Guidance and supervision in the Department of Microbiology is a Bonafide recite of work done by **IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM, Tamil Nadu from 2023-2024.**

I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associate ship, fellowship, or any similar titles.

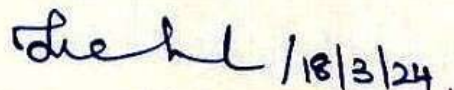
  
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**CERTIFICATE**

This is to certify that the dissertation entitled as **“EVALUATION ON COMPARATIVE ANTIBACTERIAL EFFICACY OF HERBAL FOOT SANITIZER AND COMMERCIAL FOOT SANITIZER”** is a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of Master of Science in Microbiology embodies the result of Bonafide research work carried out by **MS. A. FAYISHA MUHSIN (Register No: P 22393705)** under my Guidance and supervision in the Department of Microbiology is a Bonafide recite of work done by **IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM, Tamil Nadu** from 2023-2024. I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associate ship, fellowship, or any similar titles.


  
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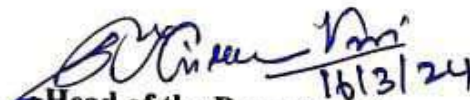

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**CERTIFICATE**


This is to certify that this Dissertation "**ANTIBACTERIAL EFFECT OF *Ocimum basilicum* Ln. LEAVES AGAINST ACNE VULGARIS; FORMULATION AND EVALUATION OF FACIAL TONER**" submitted by Miss **H.HANIMATHUL SADIYA (Reg No. P 22393706)** under my guidance and supervision for the partial fulfillment of the requirements for the award of, Master of Science in Microbiology during the study period of 2023-2024 in Department of Microbiology, Idhaya College for Women Kumbakonam - 612 001. Affiliated to Bharathidasan University, Tiruchirapalli-12. I further that no part of thesis has been submitted anywhere else for the award of any Degree, Diploma, Associateship, Fellowship or other similar titles to any candidate.

  
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Idhaya College for Women,  
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Thanjavur – (Dt)

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### CERTIFICATE

This is to certify that the dissertation entitled, “ASSESSMENT OF AIRBORNE BACTERIA AND FUNGI IN IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM” a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of Master of Science in Microbiology embodies the results of bonafide research work carried out by A. JULIET (Register No: P 22393707) under my guidance and supervision in the Department of Microbiology is a bonafide recite of work done by Idhaya College for Women, Kumbakonam, Tamilnadu from 2023-2024. I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associate ship, fellowship or any other similar titles to any candidate.


  
Head of the Department


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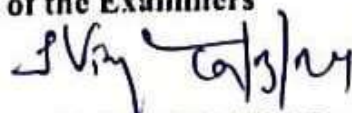
### CERTIFICATE

This is to certify that this dissertation entitled "**CHARACTERIZATION OF *E.coli* ISOLATED FROM INPATIENTS OF BURNING WOUND AND TESTING ITS ANTI MICROBIAL ACTIVITY OF BIOENZYME *Phyllanthus emblica***" submitted by **M. KARTHIGA** (Reg No. P 22393708) under my guidance and supervision for the partial fulfilment of the requirements for the award of **MASTER OF SCIENCE IN MICROBIOLOGY** during the study period of 2023-2024 in Department of Microbiology, Idhaya college for women, Kumbakonam – 612001. Affiliated to Bharathidasan University, Tiruchirappalli-12. I further certify that no part of this has been submitted anywhere else for the award of any degree, diploma, Associateship, fellowship or other similar titles to any candidate.

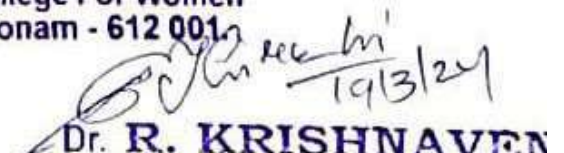
  
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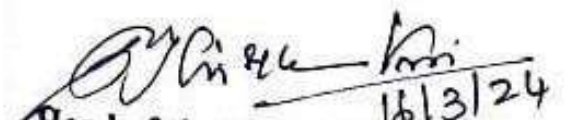
  
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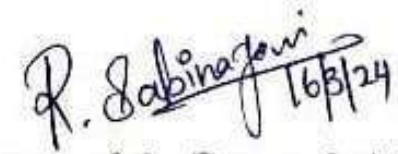
**MRS.R.SABINA GOWRI, M.Sc., M.Phil.,**  
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---

### CERTIFICATE

This is to certify that this dissertation entitled "**COMPARISION OF *Azolla pinnata* AND VERMICOMPOST MANURE EFFECT OVER ON BLACK GRAM (*Vigna mungo*) PLANT**" submitted by **G.KEERTHANA, (Reg. No: P22393709)** under my guidance and supervision for the partial fulfillment of the requirements for the award of, Master of Science in Microbiology during the study period of 2023-2024 in Department of Microbiology, Idhaya College for Women, Kumbakonam- 612001, Affiliated to Bharathidasan University, Thiruchirappalli-12. I further certify that no part of this thesis has been submitted anywhere else for the award of any degree, Diploma, Associateship, fellowship or other similar titles to any candidate.

  
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**CERTIFICATE**

This is to certify that the dissertation entitled, **“COMPARATIVE STUDIES ON ISOLATION OF MICROORGANISMS AND DETECTION OF ADULTERATION IN PASTEURIZED MILK AND RAW MILK”** is a record of original project work submitted to Bharathidasan University, Thiruchirapalli, for the award of the degree of **Master of science in Microbiology** embodies that the results of bonafide research work carried out by **Miss.K.NARMADHA, Register No: P22393710** Under my guidance and supervision at the Department of Microbiology is a bonafide record of work done by **IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM, THANJAVUR DISTRICT, TAMILNADU** during the academic year 2022-2024. I further certify that no part of the project report has been submitted anywhere else for any degree, diploma, associate ship, fellowship or any other similar titles.

  
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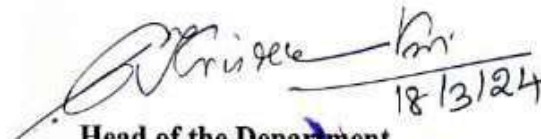
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### CERTIFICATE


This is to certify that this Dissertation **“INHIBITORY EFFECT OF OF PLANT LEAVES EXTRACT ON ( *Xanthomonas citri* ) CAUSING CITRUS CANKER ”** submitted by B. ROSHAN SIHANA (Register No. P 22393711) under my guidance and supervision for the partial fulfillment of the requirements for the award of, Master of Science in Microbiology during the study period of 2022-2024 in Department of Microbiology, Idhaya College for Women Kumbakonam - 612 001. Affiliated to Bharathidasan University. Tiruchirapalli-12. I further that no part of thesis has been submitted anywhere else for the award of any Degree, Diploma, Associate, Fellowship or other similar titles to any candidate.

  
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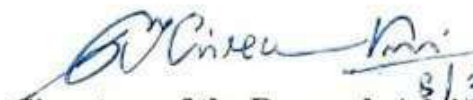
**Thanjavur (Dt).**


### CERTIFICATE

This is to certify that this Dissertation **“SPAWN PRODUCTION OF *Pleurotus florida* IN DIFFERENT AGRICULTURAL SUBSTRATES OF *Oryza sativa*, *Triticum aestivum*, *Lens culinaris*”** submitted by **P. ROSHMA** (Register No. P 22393712) under my guidance and supervision for the partial fulfillment of the requirements for the award of, Master of Science in Microbiology during the study period of 2022-2024 in Department of Microbiology, **Idhaya College for Women Kumbakonam - 612 001**. Affiliated to Bharathidasan University. Tiruchirapalli-12. I further that no part of thesis has been submitted anywhere else for the award of any Degree, Diploma, Associate, Fellowship or other similar titles to any candidate.

  
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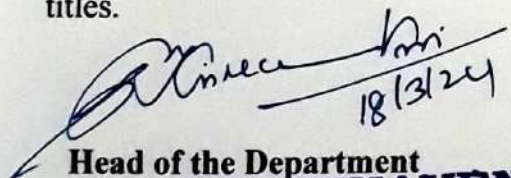
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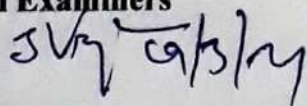
This is to certify that the dissertation entitled as **“FORMULATION OF ALTERNATIVE MICROBIOLOGICAL MEDIA USING FRUITS AND VEGETABLE WASTES AND ITS EFFECTIVENESS ON ANTIBACTERIAL EFFICACY”** is a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of Master of Science in Microbiology embodies the result of bonafide research work carried out by **MS. M. SAFANA YASMIN (Register No: P 22393713)** under my Guidance and supervision in the Department of Microbiology is a bonafide recite of work done by **IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM, Tamil Nadu from 2023 - 2024.**

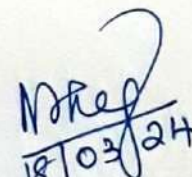
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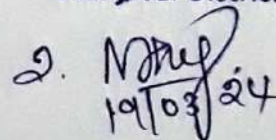
  
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This is to certify that the dissertation entitled as **"ANTIBACTERIAL EFFICACY OF TRIBAL MEDICINAL LEAVES ON FOODBORNE PATHOGEN"** is a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of Master of Science in Microbiology embodies the result of Bonafide research work carried out by **Ms. Z.SARA FARVIN (Register No: P 22393714)** under my Guidance and supervision in the Department of Microbiology is a Bonafide recite of work done by **IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM, Tamil Nadu from 2023-2024.** I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associate ship, fellowship, or any similar titles.



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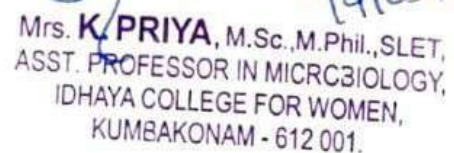
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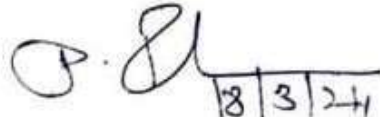
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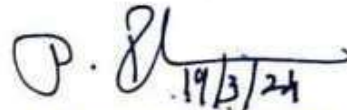
This is to certify that this Dissertation entitled **"ISOLATION AND IDENTIFICATION OF MICROBES FROM IDLI BATTER SAMPLE AND ANALYSIS OF NUTRITIONAL EVALUATION"** submitted by **Miss. M. SARUBALA, (Register No: P22393715)** is a record of original project work Submitted to Bharathidasan University, Tiruchirappalli-12, for the award of, Master of science in Microbiology embodies the result of Bonafide research work carried out by under the Guidance and supervision in the Department of Microbiology, Idhaya college for women, Kumbakonam-612001. Tamil Nadu from 2023-2024. I further that no part of thesis has been submitted any were else for the award of any Degree, Diploma, Associateship, Fellowship or similar titles.

  
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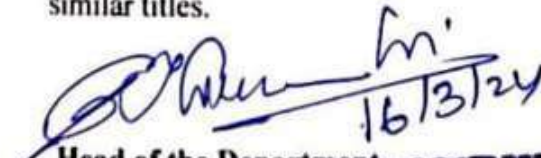
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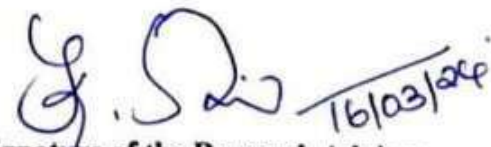
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This is to certify that the dissertation entitled as "**COMPARATIVE ANALYSIS ON THE ANTIBACTERIAL ACTIVITY OF FORMULATED HERBAL LOZENGES AND COMMERCIAL MEDICATED LOZENGES**" is a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of Master of Science in Microbiology embodies the result of Bonafide research work carried out by Mrs. S. SHAHIN NIHARIKA (Register No: P22393716) under my Guidance and supervision in the Department of Microbiology is a Bonafide recite of work done by IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM, Tamil Nadu from 2023-2024. I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associate ship, fellowship, or any similar titles.

  
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CERTIFICATE

This is to certify that the dissertation entitled, "**ANTAGONISTIC ACTIVITY OF PHOSPHATE SOLUBILIZING BACTERIA FROM RHIZOSPHERE SOIL AGAINST PHYTOPATHOGENIC FUNGI**" is a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of **MASTER OF SCIENCE IN MICROBIOLOGY** embodies the results of bonafide research work carried out by **Ms. M.A. SHAYERA (Register No: P 22393717)** under my guidance and supervision in the Department of Microbiology, is a bonafide record of work done by **IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM, TAMIL NADU** during the academic year 2023-2024. I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associate ship, fellowship or any other similar titles.

  
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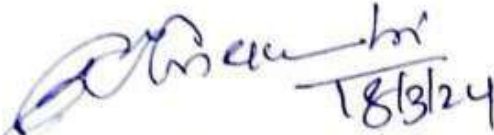
  
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This is to certify that this Dissertation “ANALYSIS OF GUT MICROBES AND HAEMATOLOGICAL PARAMETERS OF *Labeo rohita* FED WITH *Spirulina maxima*” submitted by R. SUDHARSANA (Register No. P 22393718) under my guidance and supervision for the partial fulfillment of the requirements for the award of, Master of Science in Microbiology during the study period of 2022-2024 in Department of Microbiology, Idhaya College for Women Kumbakonam- 612 001. Affiliated to Bharathidasan University. Tiruchirapalli-12. I further that no part of thesis has been submitted anywhere else for the award of any Degree, Diploma, Associate, Fellowship or other similar titles to any candidate.

  
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This is to certify that the dissertation entitled as **“DETERMINATION OF ANTIBACTERIAL ACTIVITY OF ORANGE PEEL EXTRACT AGAINST THE ISOLATES FROM DENTAL CARIES”** is a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of Master of Science in Microbiology embodies the result of Bonafide research work carried out by Ms.M.SUMAIYA (Register No: P 22393719) under my Guidance and supervision in the Department of Microbiology is a Bonafide recite of work done by **IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM, Tamil Nadu from 2023-2024**. I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associate ship, fellowship, or any similar titles.

  
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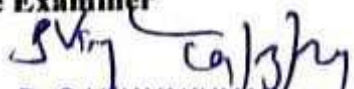
**CERTIFICATE**


This is to certify that this dissertation entitled “ **PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ACTIVITY OF *Prosopis juliflora Ln.* ”** submitted by **B. SWATHI (Reg. no. P 22393720)** under my guidance and supervision for the partial fulfilment of the requirements for the award of **MASTER OF SCIENCE IN MICROBIOLOGY** during the study period of 2023-2024 in department of Microbiology, Idhaya college for women, kumbakonam – 612001. Affiliated to Bharathidasan University, Tiruchirappalli-12. I further certify that no part of this has been submitted anywhere else for the award of any degree, diploma, Associateship, fellowship or other similar titles to any candidate.


  
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This is to certify that this dissertation entitled “ **ISOLATION OF *Klebsiella* sp., FROM DIABETIC FOOT INFECTION AND TESTING ITS SUSCEPTIBILITY WITH BIOENZYME OF *Rosa damacena*”** submitted by **U.VAIDHEHI (Reg. No. P 22393721)** under my guidance and supervision for the partial fulfilment of the requirements for the award of **MASTER OF SCIENCE IN MICROBIOLOGY** during the study period of 2023-2024 in Department of Microbiology, Idhaya college for women, Kumbakonam – 612001. Affiliated to Bharathidasan University, Tiruchirappalli-12. I further certify that no part of this has been submitted anywhere else for the award of any degree, diploma, Associateship, fellowship or other similar titles to any candidate.



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Head of the department


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Signature of the research advisor

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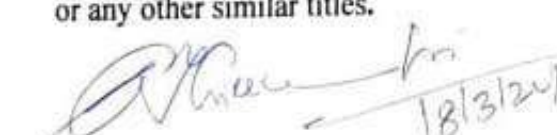
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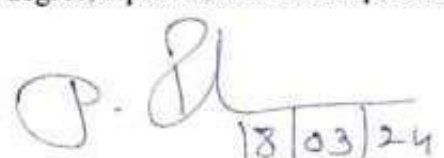
**CERTIFICATE**


This is to certify that the dissertation entitled, "**COMPARATIVE STUDIES ON MICROBIAL AND PHYSICO-CHEMICAL ANALYSIS OF WATER SAMPLES FROM VENNAR AND VETTAR RIVER, THANJAVUR (Dt), TAMILNADU**" is a record of original project work submitted to Bharathidasan University, Tiruchirappalli, for the award of the degree of **MASTER OF SCIENCE IN MICROBIOLOGY** embodies the results of bonafide research work carried out by **Miss. M. ZULAIHA YASMIN (Register No: P 22393722)** under my guidance and supervision in the Department of Microbiology, is a bonafide record of work done by **IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM, TAMILNADU** during the academic year 2023-2024. I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associateship, fellowship or any other similar titles.

  
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