

**SCREENING AND CHARACTERIZATION OF PLANT GROWTH  
PROMOTING BACTERIA FROM INDUSTRIAL EFFLUENT**

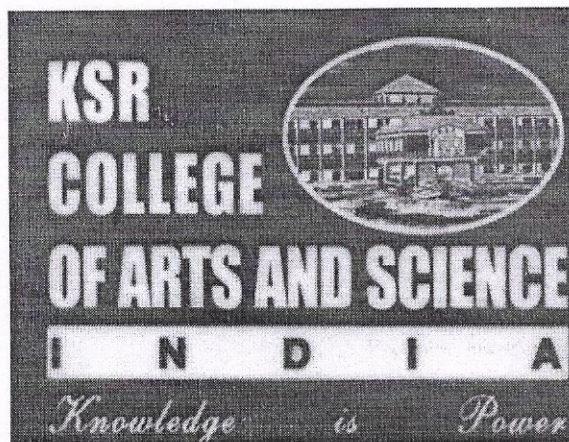
**BACHELOR OF SCIENCE IN MICROBIOLOGY**

To be awarded by Periyar University, Salem

Submitted by

17UMB001, 17UMB007, 17UMB013, 17UMB014, 17UMB019,

17UMB022 and 17UMB033



**DEPARTMENT OF MICROBIOLOGY**

**K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (Autonomous)**


(Affiliated to Periyar University, Re-accredited by NAAC


An ISO 9001:2008 Certified Institution,

Included under 2(f) and 12(B) of UGC Act 1956)

Tiruchengode, Namakkal-637 215

MAY 2020

  
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TIRUCHENGODE - 637 215  
Namakkal-Dt. Tamil Nadu, INDIA

**ANTICANCER POTENTIAL OF BIOACTIVE COMPOUNDS  
ISOLATED FROM MARINRE STREPTOMYCES**

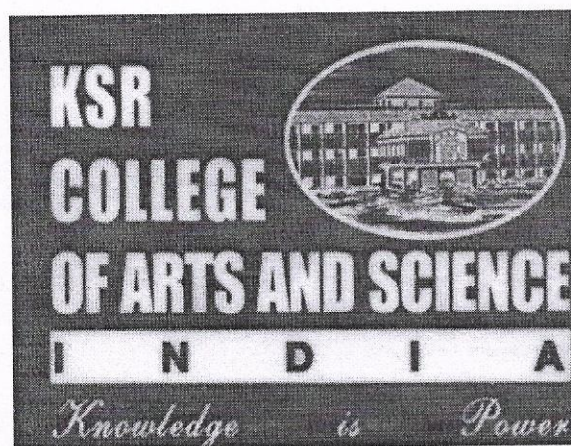
**BACHELOR OF SCIENCE IN MICROBIOLOGY**

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17UMB002, 17UMB006, 17UMB025, 17UMB036, 17UMB044,

17UMB045 and 17UMB048



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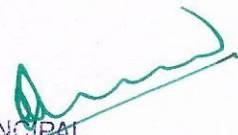
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MAY 2020

  
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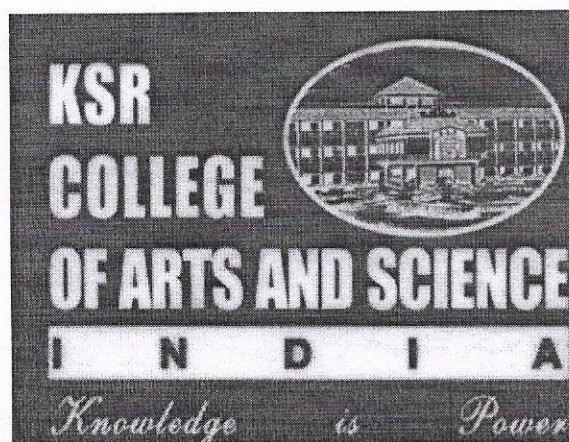
**ISOLATION AND IDENTIFICATION OF MICROORGANISM  
FROM IDENTITY CARD**

**BACHELOR OF SCIENCE IN MICROBIOLOGY**

To be awarded by Periyar University, Salem

Submitted by

17UMB037, 17UMB038, 17UMB040, 17UMB042, 17UMB043,  
17UMB047 and 17UMB049



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**Namakkal-Dt. Tamil Nadu, INDIA**

**CHARACTERISATION AND BIOREMOVAL POTENTIAL OF AQUATIC  
FERN (*Azolla filiculoides*) IN INDUSTRIAL DYE EFFLUENT**

A Dissertation submitted to K.S. Rangasamy College of Arts and Science (Autonomous)  
in partial fulfillment of the requirement for the Degree of

**MASTER OF SCIENCE IN BIOTECHNOLOGY**

To be awarded by Periyar University,  
Salem-636 011

Submitted by

**G.ABINAYA (19PBT001)**

Under the guidance of

**Ms. K.YAMUNA, M.Sc, M.Phil**  
Assistant professor



**DEPARTMENT OF BIOTECHNOLOGY**

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**Affiliated to Periyar University**

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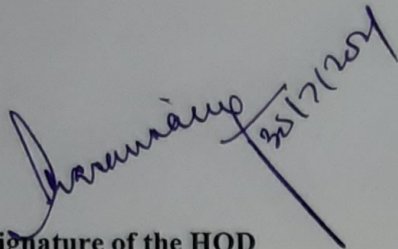
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**India.**

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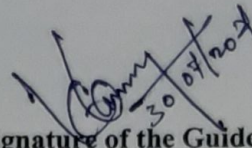
## CERTIFICATE

This is to certify that dissertation entitled "**Characterisation And Bioremoval Potential of aquatic Fern (*Azolla Filiculoides*) In Industrial Dye Effluent**" submitted in partial fulfilment of the requirement of the Degree of **Master of Science in Biotechnology** of the Periyar University under semester system in **K.S. Rangasamy College of Arts and Science (Autonomous)**, a college re-accredited by NAAC, an ISO 9001:2008 certified institution, is a bonafide record of the project work carried out by **G.ABINAYA (19PBT001)** under my supervision and guidance and I certify that the work is original.



**Signature of the HOD**

Dr. M. Prasanna Rajeshkumar, Ph.D.,  
Associate Professor & Head  
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Tiruchengode - 637 215. Tamilnadu. India.



**Signature of the Guide**

Ms.K. YAMUNA,  
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**Signature of the Examinar**

DECLARATION

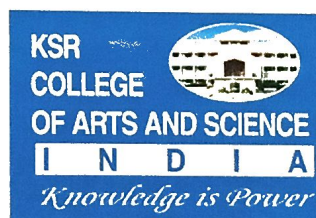
**“SYMBIOTIC STUDY ON ANTI – DIABETIC ACTIVITY OF  
*Allium sativum. L* AND *Allium cepa. L*”**

A Dissertation submitted to K.S. Rangasamy College of Arts and Science (Autonomous) in  
partial fulfillment of the requirement for the Degree of

**MASTER OF SCIENCE IN BIOTECHNOLOGY**  
To be awarded by Periyar University,  
Salem-636 011

Submitted by  
**V. APOORVA (19PBT003)**

Under the guidance of  
**Mr. K. ARUNKUMAR, M.Sc.**  
Assistant professor



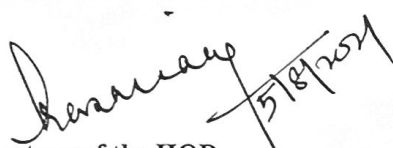
**DEPARTMENT OF BIOTECHNOLOGY**

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K.S.R. kalvi nagar, Tiruchengode -637 215,  
India.

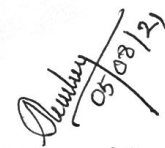
**MAY 2021**

## CERTIFICATE

This is to certify that dissertation entitled "**Symbiotic Study On Anti – Diabetic Activity Of *Allium sativum. L* And *Allium cepa. L***" submitted in partial fulfillment of the requirement of the Degree of **Master of Science in Biotechnology** of the Periyar University under semester system in **K.S. Rangasamy College of Arts and Science (Autonomous)**, a college re-accredited by NAAC, an ISO 9001:2008 certified institution, is a bonafide record of the project work carried out by **V.APOORVA (19PBT003)** under my supervision and guidance and I certify that the work is original.

  
Signature of the HOD

HEAD, DEPARTMENT OF BIOTECHNOLOGY  
K S Rangasamy College of Arts and Science  
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Signature of the guide

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Science (Autonomous),  
Tiruchengode-637215.

DECLARATION

SIGNATURE OF THE EXAMINAR

# **ISOLATION AND IDENTIFICATION OF KERATIN DEGRADING BACTERIA FROM POULTRY SOIL AND ANALYZING THEIR INVITRO FEATHER DEGRADING PROPERTY**

A dissertation Submitted to K.S. Rangasamy college of Arts and Science (Autonomous) in Partial Fulfillment of the requirements for the award of the Degree of

## **MASTER OF SCIENCE IN BIOTECHNOLOGY**

To be awarded by Periyar University,

Salem-638 011

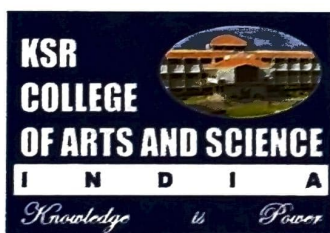
submitted by

**R. BARANIDHARAN (19PBT005)**

Under the Guidance of

**Mr. M. AARTHI, M.Sc., M.Phil., PGDBI, (Ph.D.,)**

**Assistant professor**



## **DEPARTMENT OF BIOTECHNOLOGY**

**K.S. Rangasamy College of Arts And Science (AUTONOMOUS)**

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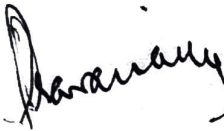
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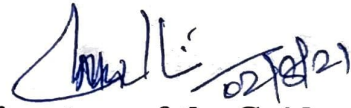
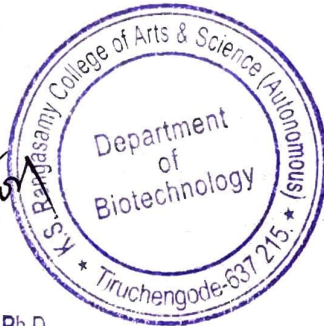
## CERTIFICATE

This is to certify that the dissertation entitled “ISOLATION AND IDENTIFICATION OF KERATIN DEGRADING BACTERIA FROM POULTRY SOIL AND ANALYZING THEIR INVITRO FEATHER DEGRADING PROPERTY” submitted partial fulfilment of the requirement of the Degree of Master of Science in Biotechnology of the Periyar University in the K.S.Rangasamy College of Arts and Science (Autonomous), a college Reaccredited by NAAC and an ISO 9001:2008 certified institution is a bonafied record of project work carried out by **R. BARANIDHARAN (19PBT005)** under my supervision/ guidance I certify that work is original



### Signature of the HOD

Dr. M. Prasanna Rajeshkumar, Ph.D.,  
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**Signature of the External Examiner**