

## CERTIFICATE

This is to certify that the project report entitled "Comparative phytochemical screening and anti-bacterial activity of *Cleome gynandra* L. leaf and stem" is a bonafide work carried out by Ms. Abhilasha, N. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

(Dr. BILIGIRIRANGA V)

PROF. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson

P.G. Dept. of Botany

JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22-09-2021

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Place: Mysuru

Date: 32-09-2021



Principal

JSS College of Arts, Commerce & Science  
Ooty Road, MYSURU-25

## CERTIFICATE

This is to certify that the project report entitled "PHYTOCHEMICAL SCREENING OF HEALTHY AND DISEASED *E. oleosacense* Var. *capitata* CROP PLANT SPECIES" is a bonafide work carried out by Ms. Akshatha, K. S. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department  
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Prof. V. BILIGIRIRANGA  
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JSS College, Ooty Road, MYSORE

Place: Mysuru

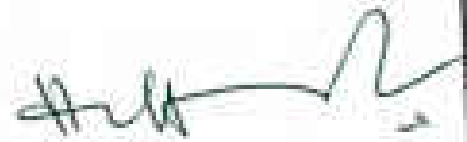
Date: 21/09/21

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Place: Mysuru

Date: 21/09/21



Principal

JSS - College of Arts, Commerce & Science  
Only for 2020-2021





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**CERTIFICATE**

This is to certify that the project report entitled "SURVEY OF MEDICINAL PLANTS IN BOMMANAYAKANAHALLI, MANDYA DISTRICT, KARNATAKA" is a bonafide work carried out by Ms. ARCHANA, B. S. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,  
(Dr. BILIGIRIRANGA V.)

P.G. Dept. of Botany  
JSS College, City Road, MYSORE

Date: 23/9/2021

Place: Mysore



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**Principal**  
JSS College of Arts, Commerce & Science  
Ooty Road - MYSURU-25

(Dr. HONNAPPA. H. C.)

Date: 23/9/2021

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled "STUDY OF PHYTOPLANKTONS DIVERSITY IN BENDARAVADI LAKE IN CHAMARAJANAGAR DISTRICT KARNATAKA" is a bonafide work carried out by Mr. Chethan Prasad, M. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson  
P.G. Dept. of Botany  
JSS College, Outy Road, MYSORE

Place: Mysuru

Date: 02-09-2021

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**Principal**

**PRINCIPAL**

JSS College of Arts, Commerce & Science  
Gofy Road, MYSURU-57

**Place: Mysuru**

**Date: 22-09-2021**

## CERTIFICATE

This is to certify that the project report entitled "A Preliminary Study on the Algal Diversity of Karapuzha River in Wayanad with Special Reference to Physio- Chemical Parameters" is a bonafide work carried out by Ms. Dhanya Raj under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



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Prof. V. BILIGIRIRANGA  
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JSS College, Outy Road, MYSORE

Place: Mysuru

Date: 22.09.21

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Place: Mysuru

Date: 22.09.21



**Principal**

PRINCIPAL

JSS College of Arts, Commerce & Science  
Ooty Road, MYSURU-57

## CERTIFICATE

This is to certify that the project report entitled "Documentation on Angiospermic Plants In some parks of Mysuru, Karnataka, India" is a Bonafede work carried out by Mr. Jayasurya, R. under the guidance of Dr. Sindhu, G. M. Assistant Professor, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: 2 -09-2021

Place: Mysore

  
(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,  
Chairperson  
P.G. Dept. of Botany  
JSS College, City Road, MYSORE

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Date: 21 - 09 - 2021

Place: Mysore



Principal

(Prof. HONNAPPA, H. C.)

PRINCIPAL  
JSS College of Arts, Commerce & Sciences  
Ooty Road, MYSURU-25




## CERTIFICATE

This is to certify that the project report entitled "Phytochemical analysis and antioxidative activity of seeds- *Linum usitatissimum* (L), *Foeniculum vulgare* (L), and *Trachyspermum ammi* (L)" is a Bonafide work carried out by Ms. Kavana, G. under the guidance of Dr. Sindhu, G. M. Assistant Professor, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date:

Place: Mysore

  
Head of the Department  
BILIGIRIRANGA  
V.Sc., Ph.D.  
Chairperson  
P.G. Dept. of Botany  
(Dr. BILIGIRIRANGA, MYSORE)

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Date:



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Place: Mysore

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## CERTIFICATE

This is to certify that the project report entitled "Determination of Anthelmintics and Insecticidal Activities of some Lichenic Extracts" is a bonafide work carried out by Ms. KAVANA, N. L. under the guidance of Dr. RASHMI, S. for the partial fulfillment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,  
Chairperson  
PG Dept of Botany  
JSS College, Only Road, MYSORE  
(Dr. BILIGIRIRANGA V.)

Date: 25/8/21

Place: Mysore



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**Principal**

**(Dr. HONNAPPA, H. C.)**

**PRINCIPAL**

**JSS College of Arts, Commerce & Science  
Gaty Road, MYSURU-25**

**Date:**

**Place: Mysore**

# Certificate

This is to certify that the project report entitled is a Bonafede work carried out by "Documentation of Medicinal plants in Ramanathapura" Ms. Lavanya, D. under the guidance of Dr. Sindhu, G. M. Assistant Professor, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany submitted to the Post-Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: - 20.09.2021

Place: - Mysore


  
Head of the Department  
Prof. V. BILGIRIRANGA  
M.Sc., Ph.D.  
Chairperson  
Post. of Botany  
(Dr. BILGIRIRANGA, SAE  
JSS College, Coimbatore, KA

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Date: - 20.09.2021.

Place: - Mysore

  
Principal  
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(Prof. HONNAPPA, H. C.)



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## CERTIFICATE

This is to certify that the project report entitled "Detecting Insecticidal and Vermicidal efficiency of some locally available leaf extracts" is a bonafide work carried out by Mr. MANJUNATH HIREMATH under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

**Head of the Department**

(Dr. BILIGIRIRANGA V.)  
Prof. V. BILIGIRIRANGA  
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Chairperson  
P.G. Dept. of Botany  
JSS College, Gaty Road, MYSORE

Date: 26/8/2021

Place: Mysore



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Principal



(Dr. HONNAPPA. H. C.)

**PRINCIPAL**  
JSS College of Arts, Commerce & Science  
Ooty Road+ MYSURU-25

Date:

Place: Mysore





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**CERTIFICATE**

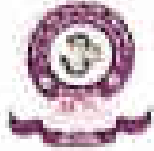
This is to certify that the project report entitled "Analysis of Physicochemical parameters of soil samples in Madikeri Taluk, Kodagu district, Karnataka" is a bonafide work carried out by Mr. NACHIKETH, M. M. under the guidance of Dr. RASHMI, S. for the partial fulfillment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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JSS College, Ooty Road, MYSORE

Date: 11/09/2021.

Place: Mysore



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PRINCIPAL

JSS College of Arts, Commerce & Science  
Doly Road, MYSURU-25

Date: 11/09/2021.

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled is a Bonafide work carried out by "Effects of treated industrial waste water on vegetative growth and pigmentation of oil yielding crops" Ms. Niharica Yadav under the guidance of Dr. Sindhu, G. M. Assistant Professor, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies academic requirements in respect of project report prescribed for Master of Science in Botany.

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**Place: Mysore**

**Principal**



**(Prof. HONNAPPA, H. C.)**

**PRINCIPAL**  
JSS College of Arts, Commerce & Science  
Duty Room: MYSURU-25



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## CERTIFICATE

This is to certify that the project report entitled "*Traditional Medicine Knowledge and Diversity of Medicinal Plants in Periyapatna Region of Mysore District*" is a bonafide work carried out by Ms. NISARGA under the guidance of Dr. RASHMI, S. for the partial fulfillment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
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Chairperson  
P.G Dept of Botany  
(Dr. BILIGIRIRANGA V.)

Date: 23/09/2021

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## CERTIFICATE

This is to certify that the project report entitled "*Traditional Medicine Knowledge and Diversity of Medicinal Plants in Periyapatna Region of Mysore District*" is a bonafide work carried out by Ms. NISARGA under the guidance of Dr. RASHMI, S. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Principal

(Dr. HONNAPPA. B. C.)

PRINCIPAL  
JSS College of Arts, Commerce & Science  
Dofy Road, MYSURU-25

Date: 23/09/2021

Place: Mysore



JSS MAHAVIDYAPEETHA

# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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## CERTIFICATE

This is to certify that the project report entitled "Detecting Insecticidal and Anthelmintic efficiency of some plant extract" is a bonafide work carried out by Ms. PAVITRA, T. PATIL under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

  
(Dr. BILIGIRIRANGA V.)

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.  
Chairperson  
P.G. Dept. of Botany  
JSS College, Only Road, MYSORE

Date: 26/8/21

Place: Mysore



**JSS MAHAVIDYAPEETHA**  
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## CERTIFICATE

This is to certify that the project report entitled "Detecting Insecticidal and Anthelmintic efficiency of some plant extracts" is a bonafide work carried out by Ms. PAVITRA, T. PATIL under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Principal

  
(Dr. HONNAPPA. H. C.)

PRINCIPAL  
JSS College of Arts, Commerce & Science  
Old Road, MYSURU-75

Date:

Place: Mysore



## CERTIFICATE

This is to certify that the project report "**Isolation, Identification and Characterization of *Lactobacillus* from dairy sample**" is a bonafide work carried out by Ms. Pooja, D. K. under the guidance of Dr. Sindhu, G. M. Assistant Professor, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: - 17/09/2021

Place: - Mysore

  
PROF. BULCHANDIRANGA  
Head of the Department, D.,  
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JSS College, Ooty Road, MYSORE

## CERTIFICATE

This is to certify that the project report entitled "Isolation, Identification and Characterization of *Lactobacillus* from dairy sample" is a bonafide work carried out by Ms. Pooja, D. K. under the guidance of Dr. Sindhu, G. M., Assistant Professor, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: - 17/09/2021

Place: - Mysore

Principal  
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## CERTIFICATE

This is to certify that the project report entitled "Comparison of Traditional Culture with Soilless Culture using Hydroponics" is a bonafide work carried out by Ms. Poornima.I.S. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science(Autonomous) during the year 2019-20. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,  
Chairperson  
P.G. Dept. of Botany  
JSS College, Day Road, MYSORE  
(Dr. BILIGIRIRANGA V.)

Date: 25/8/21

Place: Mysore



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## CERTIFICATE

This is to certify that the project report entitled "Comparison of Traditional Culture with Soilless Culture using Hydroponics" is a bonafide work carried out by Poornima H.S. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Principal

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## CERTIFICATE

This is to certify that the project report entitled "ESTIMATION OF PHYSICO-CHEMICAL CHARACTERISTICS OF SOIL SAMPLES IN SOMVARPET TALUK, KODAGU DISTRICT, KARNATAKA" is a bonafide work carried out by Mr. PUNITH KUMAR GOWDA G.P. under the guidance of Dr. RASHMI, S. for the partial fulfillment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science(Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

  
Dr. S. RASHMI  
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JSS College, Ooty Road, MYSORE

Date: 11-9-2021

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### CERTIFICATE

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Principal

(Dr. H.C. HONNAPPA)

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Goby Road, MYSURU-25

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## CERTIFICATE

This is to certify that the project report entitled "DIVERSITY OF INVASIVE PLANT SPECIES OF DIFFERENT CROP FIELD FROM SIDDANKOPPALU VILLAGE, K.R. NAGAR TALUK, MYSORE DISTRICT, KARNATAKA" is a bonafide work carried out by Ms. RAJESHWARY, S. R. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA V.)  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

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Place: Mysore



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## CERTIFICATE

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Principal  
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## CERTIFICATE

This is to certify that the project report entitled "Effect of fungicide (Mancozeb) and biofungicide (Cow urine) on seed born mycoflora and growth of Brinjal (*Solanum melongena* L.)" is a bonafide work carried out by Ms. RANJITHA, P. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. Y. BILIGIRIRANGA, Ph.D.  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 23.09.2021

Place: Mysore



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## CERTIFICATE

This is to certify that the project report entitled "Effect of fungicide (Mancozeb) and biofungicide (Cow urine) on seed born microflora and growth of *Brihajal (Solanum melongena L.)*" is a bonafide work carried out by Ms. RANJITHA, P. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Principal

(Dr. HONNAPPA, H. C.)  
PRINCIPAL  
JSS College of Arts, Commerce & Science  
Ooty Road, MYSURU-25

Date: 23.09.2021

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled " A Study on Methods of cultivation and Production of *Spirulina platensis* at Plant cell Biotechnology (P.C.B.T) Department CFTRI Mysore." is a bonafides work carried out by Ms. Revathi.V.Sagar under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

(Dr. BILIGIRIRANGA V)

Prof. V. BILIGIRIRANGA

M.Sc., Ph.D.,

Chairperson

P.G Dept. of Botany

JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22-09-2021

## CERTIFICATE

This is to certify that the project report entitled "A Study on Methods of cultivation and Production of *Spirulina platensis* at Plant cell Biotechnology (P.C.B.T) Department CFTRI Mysore." is a bonafide work carried out by Ms. Revathi.V.Sagar under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



**Principal**

**PRINCIPAL**  
JSS College of Arts, Commerce & Science  
Ooty Road, MYSURU-25

**Place: Mysuru**

**Date: 22 - 09 - 2021**

## CERTIFICATE

This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS OF SOIL SAMPLES IN SUGARCANE FIELDS OF CHANNARAYAPATNA TALUK, HASSAN DISTRICT, KARNATAKA." Is a bonafide work carried out by Ms. Sahana, K.V. under the guidance of Dr.V. Biligiranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

(Dr. BILIGIRIRANGA, V.)

Place: Mysuru

Date: 22/9/2021

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

## CERTIFICATE

This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS OF SOIL SAMPLES IN SUGARCANE FIELDS OF CHANNARAYAPATNA TALUK, HASSAN DISTRICT, KARNATAKA." Is a bonafide work carried out by Ms. Sahana, K.V. under the guidance of Dr.V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



**Principal**  
JSS College of Arts, Commerce & Science  
Govt Road, MYSURU-25

Place: Mysuru

Date: 29/9/2021

## CERTIFICATE

This is to certify that the project report entitled " **STUDY OF PHYTOPLANKTON DIVERSITY IN MELUKOTE TEMPLE POND, MANDYA.**" is a bonafide work carried out by **Ms. Shalini, B. S.** under the guidance of **Dr. V. Biligiriranga** Head of the department, PG department of Botany, JSSCACS for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA, V)

Prof. V. BILIGIRIRANGA  
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Chairperson  
PG Dept of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 28/09/2021

## CERTIFICATE

This is to certify that the project report entitled "" **STUDY OF PHYTOPLANKTON DIVERSITY IN MELUKOTE TEMPLE POND, MANDYA.**"" is a bonafide work carried out by **Ms. Shalini, B. S.** under the guidance of **Dr. V. Biligiriranga** Head of the department, PG department of Botany, JSSCACS for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 22/09/2022



Principal  
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## CERTIFICATE

This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS OF SOIL SAMPLES OF SORGHUM FIELDS IN ACHANUR, BAGAVATI, BAIRAMATTI, BENAKATTI, HALLUR BAGALKOT DISTRICT, KARNATAKA." is a bonafide work carried out by Ms. Suman B Abbigeri, under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

(Dr. BILIGIRIRANGA, V)

Prof. V. BILIGIRIRANGA

M.Sc., Ph.D.,

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P.G. Dept. of Botany

JSS College, Ooty Road, MYSORE

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Date: 22/09/2021

## CERTIFICATE

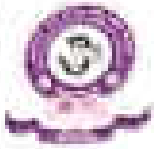
This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS OF SOIL SAMPLES OF SORGHUM FIELDS IN ACHANUR, BAGAVATI, BAIRAMATTI, BENAKATTI, HALLUR BAGALKOT DISTRICT, KARNATAKA." is a bonafide work carried out by Ms.Suman B Abbigeri under the guidance of Dr.V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



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Date: 22/09/2021



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**CERTIFICATE**

This is to certify that the project report entitled "A Comparison study of Plants grown in Hydroponics and Soil systems" is a bonafide work carried out by Ms. Tejaswini, N. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

**Head of the Department**  
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Chairperson  
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Date: 25/8/21

Place: Mysore



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**Principal**

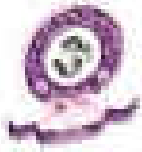
**(Dr. HONNAPPA, H. C.)**

**PRINCIPAL**

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**Date:**

**Place: Mysore**



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## CERTIFICATE

This is to certify that the project report entitled "Effect of fungicide (Mancozeb) and biofungicide (*Trichoderma viride*) on seed borne mycoflora and growth of Chilly (*Capiscum annum L*)" is a bonafide work carried out by Ms. THANUSHREE, C. G. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
(Dr. BILIGIRIRANGA, V.)  
M.Sc., Ph.D.  
P.G. Dept of Botany  
JSS College, Ooty Road, MYSORE

Date: 20.09.2021.

Place: Mysore



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

(An Autonomous College of University of Mysore)

ILN. ROAD, MYSURU-570 025 KARNATAKA

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PRINCIPAL  
JSS College of Arts, Commerce & Science  
(Dr. HONNAPPA, H. C.)  
MYSURU-25

Date: 20.09.2021.

Place: Mysore



**JSS COLLEGE OF ARTS, COMMERCE & SCIENCE**

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**CERTIFICATE**

This is to certify that the project report entitled "DIVERSITY OF INVASIVE PLANT SPECIES OF DIFFERENT CROP FIELDS IN KIRAGAVALU VILLAGE, MANDYA DISTRICT, KARNATAKA" is a bonafide work carried out by Ms. VARSHITHA, G.M. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
**Head of the Department**  
**Prof. V. BILIGIRIRANGA**  
M.Sc., Ph.D.,  
Chairperson  
P.G Dept of Botany  
JSS College, Gokul Road, MYSORE  
**(Dr. BILIGIRIRANGA, V.)**

**Date:**

**Place: Mysore**



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**CERTIFICATE**

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**Principal**

**PRINCIPAL**  
JSS College of Arts, Commerce & Science  
ILN. Road, MYSURU-25

**(Dr. H.C. HONNAPPA)**

**Date:**

**Place: Mysore**



## CERTIFICATE

This is to certify that the project report "Effects of NaF present in toothpaste on plants" is a bonafide work carried out by Mr. Venkatesh, P. A. Under the guidance of Dr. Sindhu, G. M. Assistant Professor, Post Graduate Department of Botany, JSS College of arts, Commerce and Science. For the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany

Date: 16 / 9 / 2021

Place: Mysore



Head of the Department

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson

(Dr. BILIGIRIRANGA V.)

JSS College, Ooty Road, MYSORE

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Date: 20/9/2021

Place: Mysore



Principal

(Dr. HONNAPPA. H. C.)

**PRINCIPAL**  
JSS College of Arts, Commerce & Science  
Ody Road, MYSURU-25

## CERTIFICATE

This is to certify that the project report "ANALYSIS OF PROTIEN COMPOSITION INORGANIC AND NON ORGANIC SORHIGUM AND BARNYARD MILLETS" is a bonafide work carried out by Mr. Arun Kumar, N. Under the guidance of Dr. Sindhu, G. M. Assistant Professor, Post Graduate Department of Botany, JSS College of arts, Commerce and Science. For the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: 16/09/2021

Place: Mysore



**Head of the Department**

**Prof. V. BILIGIRIRANGA**

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Chairperson

P.G. Dept. of Botany

JSS College, Ooty Road, MYSORE

**(Dr. BILIGIRIRANGA V.)**

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Date: 20/09/2021

Place: Mysore



Principal

(Dr. HONNAPPA. H. C.)

**PRINCIPAL**  
JSS College of Arts, Commerce & Science  
Ooty Road, MYSURU-25

## CERTIFICATE

This is to certify that the project report entitled "Diversity of Medicinal Plants of Bilikere region of Mysuru district, Karnataka," is a bonafide work carried out by Ms. Anusha, N. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. V. BILIGIRIRANGA)  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22/09/2021

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This is to certify that the project report entitled " *Diversity of Medicinal Plants of Bilikere region of Mysuru district, Karnataka.*" is a bonafide work carried out by Ms. Anusha, N. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



**Principal**

**PRINCIPAL**

JSS College of Arts, Commerce & Science  
Ooty Rd - MYSURU-25

Place: Mysuru

Date: 22/09/2021

## CERTIFICATE

This is to certify that the project report entitled "Diversity of Phytoplankton And Physico-Chemical Parameters of Hadinaru Lake in Mysore District, Karnataka." Is a bonafide work carried out by Ms. Deepika, B. K. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

(Dr. ~~BH~~IGIRIRANGANA)

M.Sc., Ph.D.,

Chairperson

P.G. Dept of Botany

JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 32 SEP 2021

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Place: Mysuru

Date: 22 sep 2021



Principal

(Dr. H. C. Honappa)  
JSS College of Arts, Commerce and Science  
Ooty Road, MYSURU-25



## CERTIFICATE

This is to certify that the project report entitled is a Bonafide work carried out by "A study on the Grass and Sedge flora associated with paddy field of Edavaka panjayath in Wayanad" Ms. Jyothi Krishna, S. under the guidance of Dr. Sindhu, G. M. Assistant Professor, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfillment of the requirement for the award of the degree Master of Science in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: - 24-9-2021

Place: - Mysore

  
Head of the Department

Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V.) Ph.D.,  
Chairperson  
P.G. Dept of Botany  
JSS College, Ooty Road, MYSORE

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Date: - 24-9-2021

Place: - Mysore


  
Principal

(Prof. HONNAPPA, H. C.)

PRINCIPAL  
JSS College of Arts, Commerce & Science  
Gaty Road MYSURU-25

## CERTIFICATE

This is to certify that the project report entitled "Documentation of Medicinal Plants in SDM Ayurvedic College, Hassan," is a bonafide work carried out by Mr. Veekshith, M. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
**Head of the Department**  
**(Dr. BILIGIRIRANGA, V)**  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,  
Chairperson  
P.G. Dept. of Botany  
JSS College, Goly Road, MYSORE

**Place: Mysuru**

**Date: 22/9/2021**

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Date: Mysuru

Place: 22/09/2021



(Principal)

(Prof. HONNAPPA, H.C.)  
JSS College of Arts, Commerce & Science,  
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JSS MAHAVIDYALAYA  
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## CERTIFICATE

This is to certify that the project report entitled "Hydroponic as Compared to Conventional Farming" is a bonafide work carried out by Ms. Sanidhya Ranganath under the guidance of Dr. RASIMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

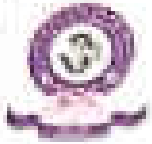
  
Head of the Department

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson  
(Dr. BILIGIRIRANGA V.)  
Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 25/8/21

Place: Mysore



**JSS MAHAVIDYAPEETHA**  
**JSS COLLEGE OF ARTS, COMMERCE & SCIENCE**

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Principal

(Dr. HONNAPPAH. C.)  
JSS College of Arts, Commerce & Science  
Ooty Road, MYSURU-25

Date:

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled is a Bonafede work carried out by "Study of floristic diversity of BR Hills" Ms. Namratha, K. S. under the guidance of Dr. Sindhu, G. M. Assistant Professor, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: - 28.04.2021

Place: - Mysore



Head of the Department


(Dr. BILIGIRIRANGA, V.)

## CERTIFICATE

This is to certify that the project report entitled "Study of floristic diversity of BR Hills" is a Bonafide work carried out by Ms. Namratha, K. S. under the guidance of Dr. Sindhu, G. M., Assistant Professor, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: - 20.09.2021

Place: - Mysore

  
Principal: 20/9/21  
**PRINCIPAL**  
JSS College of Arts, Commerce & Science  
Dob. Road, MYSURU-25  
(Prof. HONNAPPA, H. C.)



## **CERTIFICATE**

This is to certify that the project report entitled "DOCUMENTATION OF TRADITIONAL KNOWLEDGE OF MEDICINAL PLANTS IN ANKOLA TALUK, UTTARA KANNADA DISTRICT, KARNATAKA." is a bonafide work carried out by Ms. Nivedita N B. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
**Head of the Department**

**(Dr. BILIGIRIRANGA, V)**  
**Prof. V. BILIGIRIRANGA**  
M.Sc., Ph.D.,  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

**Place: Mysuru**

**Date: 22/9/21**

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**Principal**

**PRINCIPAL**

JSS College of Arts, Commerce & Science  
Ooty Road MYSURU-25

**Place: Mysuru**

**Date: 22/9/21**

## CERTIFICATE

This is to certify that the project report entitled " The study of Biodiversity and Documentation of Flora in Biligiriranga Hills, Karnataka." is a bonafide work carried out by Ms. Namratha Raj, N. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2020-2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA, V)  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson

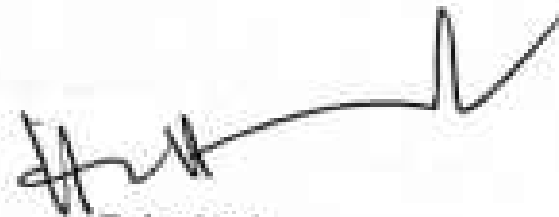
P. G. Dept of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22-09-21

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Principal

(Dr. H. C. Honnappa)

PRINCIPAL


JSS College of Arts, Commerce & Science  
Ooty Road, MYSURU-25

Place: Mysuru

Date: 22-09-21

## CERTIFICATE

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Head of the Department  
**Prof. V. BILIGIRIRANGA**  
(Dr. BILIGIRIRANGA)  
M.Sc., Ph.D.  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22 sep 2021

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Principal

PRINCIPAL

JSS College of Arts, Commerce and Science  
Ooty Road - MYSURU-57

Place: Mysuru

Date: 22 SEP 2021

## CERTIFICATE

This is to certify that the project report entitled "Documentation Of Medicinal Plants In Rajeev Ayurvedic Medical College Hassan". is a bonafide work carried out by Ms. Ganga, S. C. under the guidance of Dr.V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department  
(Dr. BILIGIRIRANGA, V)

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

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**Principal**  
**PRINCIPAL**

JSS College of Arts, Commerce & Science  
Ooty Road MYSURU-25

Place: Mysuru

Date: 22/09/2021 .





JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

(An Autonomous College of University of Mysore)  
OOTY ROAD, MYSURU-570 025 KARNATAKA

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## CERTIFICATE

This is to certify that the project report entitled "Documentation on Medicinal Plants in Kodipura" is a bonafide work carried out by Ms. Anusha B. under the guidance of Dr. Sindhu, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Principal

(Prof. Vijayendra Kumar, M. P.)  
PRINCIPAL

J.S.S. College of Arts, Commerce & Science  
Manjengudi-Ooty Road, MYSURU-4

Date: 9/02/2022

Place: Mysore



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CERTIFICATE

This is to certify that the project report entitled "Evaluation of Physico-Chemical and antibacterial activities of flower extracts from *Plumeria obtusa* and *Plumeria rubra*" is a bonafide work carried out by Ms. Akshatha Rachayya Nandikol under the guidance of Dr. SINDHU, G. M. For the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Dept. Of Botany, JSS College of Arts, Commerce and Science during year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
(Dr. Biligiriranga, V.)  
M.Sc. Ph.D.  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 09/08/22

Place: Mysore



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**CERTIFICATE**

This is to certify that the project report entitled "Evaluation of Physico-Chemical and Antibacterial Activities Of Flower Extracts From *Plumeria obtusa* And *Plumeri rubra*" is a bonafide work carried out by Ms. Akshatha Rachayya Nandikal under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Principal

(Prof. Vijayendra Kumar, M. P.)

PRINCIPAL

J.S.S. College of Arts, Commerce & Science  
Manjangaud-Gaty Road, MYSORE-4

Date: 09/08/22


Place: Mysore

# CERTIFICATE

This is to certify that the project report entitled "STUDY OF PHYTOPLANKTONS DIVERSITY AND ANALYSIS OF PHYSICOCHEMICAL PARAMETERS OF KADALKERE LAKE IN PANDAVPURA, MANDYA DISTRICT" is a bona fide work carried out by MS. ANAGHA KULKARNI under the guidance of MS. MEGHASHREE A. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 22/8/22


  
Head of the Department  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.  
(Dr. BILIGIRIRANGA)  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

## CERTIFICATE

This is to certify that the project report entitled "THE STUDY OF PHYTOPLANKTONS DIVERSITY AND ANALYSIS OF PHYSICOCHEMICAL PARAMETERS OF KADALKERE LAKE IN PANDAVAPURA, MANDYA DISTRICT" is a bona fide work carried out by MS. ANAGHA KULKARNI under the guidance of MS. MEGHASHREE A. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 8/8/22

  
Principal  
J. S. S. COLLEGE  
City Road, Mysuru 570 022

## CERTIFICATE

This is to certify that the project report entitled "Preliminary phytochemical screening, anti-bacterial activity separation of pigments by thin layer chromatography (TLC) of *Aristolochia bracteolata* L. leaf " is a bonafide work carried out by Ms. Anushree, P. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

DR. V. BILIGIRIRANGA  
M.A., M.D.

Chairperson  
P.G. Dept of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 8/8/2022

## CERTIFICATE

This is to certify that the project report entitled "Preliminary phytochemical screening, anti-bacterial activity and separation of pigments by thin layer chromatography (TLC) of *Aristolochia bracteolata* L. leaf" is a bonafide work carried out by Ms. Anushree P. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Principal  
Principal

**J. S. S. COLLEGE**  
**Ooty Road, Mysore-5**

Place: Mysuru

Date: 08/08/2022

## CERTIFICATE

This is to certify that the project report entitled "Preliminary phytochemical screening, anti-bacterial activity and separation of pigments by thin layer chromatography (TLC) of *Aristolochia bracteolata* L. leaf " is a bonafide work carried out by Ms. Anushree P. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 08/08/2022

Principal  
Principal

J. S. S. COLLEGE  
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FOR MAJORITY OFFICES  
**JSS COLLEGE OF ARTS, COMMERCE & SCIENCE**

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## CERTIFICATE

This is to certify that the project report entitled "Comparative Study of Organic and Conventional Grown Spinach Extract for Its Physico-Chemical and Antibacterial Activities" is a bonafide work carried out by Ms. Arpita Manohar Bhasme under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Dept. of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
(Dr. Biligiriranga, V.)  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 9 | 8 | 22

Place: Mysore



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## CERTIFICATE

This is to certify that the project report entitled "Comparative Study of Organic and Conventional Grown Spinach Extract for Its Physico-Chemical and Antibacterial Activities" is a bonafide work carried out by Ms. Arpita Manohar Bhasme under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Dept. of Botany JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Principal  
PRINCIPAL

(Prof. Vijay of the Kuvempu U. Mysore)  
JSS College of Arts, Commerce & Science  
Ooty Road, MYSURU-5

Date: 9 | 8 | 22


Place: Mysore

## CIRTIIFICATE

This is to certify the project that the project report entitled "Phytoplankton biodiversity and physiochemical analysis in Hemvathi reservoir Goruru" is a bonafide work carried out by Ms. Arpitha, I. M. under the guidance of Dr. V. Biligiranga for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru.

Date: 8/8/2022

  
Head of the department  
Prof. V. BILIGIRANGA  
M.Sc., Ph.D.  
(Dr. V. Biligiranga)  
PG Dept of Botany  
JSS College, Ooty Road, MYSORE

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Place: Mysuru

Date: 8/8/2022

  
Principal  
J. S. S. COLLEGE  
Ooty Road, Mysore-570 023

## CERTIFICATE

This is to certify that the project report entitled "STUDY OF PHYTOPLANKTONS DIVERSITY AND ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS OF THANNURU LAKE, MANDYA DISTRICT, KARNATAKA" is a bona fide work carried out by BHAVANA Y. D. under the guidance of MS. MEGHASHREE A. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 4/3/22


  
Head of the Department  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.  
Chairperson  
(Dr. BILIGIRIRANGA V.)  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

## CERTIFICATE

This is to certify that the project report entitled "STUDY OF PHYTOPLANKTONS DIVERSITY AND ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS OF THANNURU LAKE, MANDYA DISTRICT, KARNATAKA." is a bona fide work carried out by BHAVANA Y. D under the guidance of MS. MEGHASHREE A. M for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 8/8/22

  
Principal  
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## CERTIFICATE

This is to certify that the project report entitled "A Preliminary Study on the Algal Diversity of Hebbal Reservoir in Heggadadevana Kote with Special Reference to Physico- Chemical Parameters" is a bonafide work carried out by **Ms. Chandana, K. M.** under the guidance of **Dr. SINDHU, G. M.** For the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

**(Dr. Bilgirikanga, M.Sc., Ph.D.)**

Chairperson

PG Dept. of Botany

JSS College, City Road, MYSORE

Date: 9/08/2022

Place: Mysore



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## CERTIFICATE

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Principal

(Prof. Vijayendra Kumar, M. P.)

PRINCIPAL

JSS College of Arts, Commerce & Science  
Banjargud-Ooty Road, MYSURU-5

Date: 09/08/2022

Place: Mysore



## CERTIFICATE

This is to certify that the project report entitled "GREEN SYNTHESIS OF MOLYBDENUM NANOPARTICLES USING LEAF EXTRACT *JACARANDA MIMOSIFOLIA* AND THEIR BIOLOGICAL ACTIVITY" is a bona fide work carried out by G. P. TEJASWINI under the guidance of MS. MEGHASHREE A. ML. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

(Prof.) B. GIRIRANGA  
M.Sc., Ph.D.

Chairperson  
P.G. Dept. of Botany  
JSS College, Galy Road, MYSORE

Place: Mysuru

Date: 08 - 08 - 2022

## CERTIFICATE

This is to certify that the project report entitled "GREEN SYNTHESIS OF MOLYBDENUM NANOPARTICLES USING LEAF EXTRACT *JACARANDA MIMOSIFOLIA* AND THEIR BIOLOGICAL ACTIVITY" is a bona fide work carried out by G. P. TEJASWINI under the guidance of MS. MEGHASHREE A. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 08 - 08 - 2022




Principal  
Principal

**J. S. S COLLEGE**  
Ooty Road, Mysore-570 028

## CERTIFICATE

This is to certify that the project report entitled "Preliminary phytochemical screening and anti-bacterial activity of *Diospyros chloroxydon* Roxb. root" is a bonafide work carried out by Ms. Hrashitha, S. D. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V.)  
Chairperson  
P.G. Dept of Botany  
JSS College, Ooty Road, MYSOR

Place: Mysuru

Date: 08/08/2022

## CERTIFICATE

This is to certify that the project report entitled "Preliminary phytochemical screening and anti-bacterial activity of *Diospyros chloroxylon* Roxb. root" is a bonafide work carried out by Ms. Harshitha, S. D. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 08/08/2022



Principal

Principal

**J. S. S. COLLEGE**

**Ooty Road, Mysore-570 023**



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## CERTIFICATE

This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS OF SOIL SAMPLES COLLECTED FROM PERIYAPATNA TALUK, MYSORE DISTRICT" is a bona fide work carried out by Ms. KANNIKA, S. R. under the guidance of MS. MEGHASHREE A. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 8/8/22

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
M.Sc. Ph.D.  
Chairperson  
P.G. Dept. of Botany  
JSS College, City Road, MYSORE  
(Dr. BILIGIRIRANGA, V.)



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## CERTIFICATE

This is to certify that the project report entitled "Analysis of Physico Chemical Parameters of Soil Samples Collected from Periyapatna Taluk, Mysore District" is a bonafide work carried out by Ms .KANNIKA,S.R.under the guidance of MS. MEGHASHREE A. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: 08/08/2022


Place: Mysuru

Principal  
PRINCIPAL

J.S.S. College of Arts, Commerce & Science  
Banjara-Old Road, MYSORE-5

## CERTIFICATE

This is to certify that the project report entitled "STUDY OF PHYTOPLANKTON DIVERSITY IN BEEDANAHALLI LAKE IN MYSORE DISTRICT KARNATAKA" is a bonafide work carried out by Ms. Lakshmi, R. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,  
(Dr. BILIGIRIRANGA, V.)  
PG. Dept. of Botany  
JSS College, Doty Road, MYSORE

Place: Mysuru


Date: 8 - 8 - 2022

## CERTIFICATE

This is to certify that the project report entitled "STUDY OF PHYTOPLANKTON DIVERSITY IN BEEDANAHALLI LAKE IN MYSORE DISTRICT KARNATAKA" is a bonafide work carried out by Ms. LAKSHMI, R. under the guidance of Dr. V. Billigiranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 8-8-2022

  
Principal  
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## CERTIFICATE

This is to certify that the project report entitled "Study of Phytochemical Screening and Antibacterial Activity of *Rhus semialata* Murr. Fruit" is a bonafide work carried out by Ms. Linoka Sumi under the guidance of Dr. SINDHU, G. M. For the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V.)  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 09-08-22

Place: Mysore



JSS MALLAYALAPETTA  
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## CERTIFICATE

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Principal

(Prof. Vijayendra Kumar, M. P.)  
PRINCIPAL

J.S.S. College of Arts, Commerce & Science  
Sajjaganur-Ooty Road, MYSORE-5

Date: 09-08-22

Place: Mysore



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### CERTIFICATE

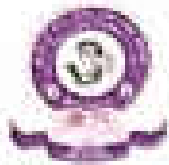
This is to certify that the project report entitled "Physico-Chemical and Biological Parameter Analysis of Soil Samples Collected in Jalahalli Village, Deodurga Taluk of Raichur District, Karnataka" is a bonafide work carried out by Mr. Madhu, R. Kolkar under the guidance of Dr. SINDHU, G. M. For the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department  
(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, Mysore

Date: 07/03/22  
Place: Mysore



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### CERTIFICATE

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Principal

(Prof. Vijayendra Kumar, M. P.)

J.S.S. College of Arts, Commerce & Science


Manjunath-Gary Road, Mysuru-570 025

Date: 09/08/22

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled "BIODIVERSITY OF LICHENS IN MUTHUGADAGADDE PODU, B. R. HILLS, CHAMARAJA NAGARA" is a bonafide work carried out by Ms. Mamatha, M. under the guidance of Dr. V. Biligiriranga for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V.)  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 08/08/2022

## CERTIFICATE

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Principal

J. S. S. COLLEGE

Anty Road, Mysore-570 002

Place: Mysuru

Date: 08/08/2022



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CERTIFICATE

This is to certify that the project report entitled "Analysis of Physico-chemical Parameters of Soil Samples in Hunsur Taluk, Mysore District, Karnataka" is a bonafide work carried out by Ms. Mamatha P. under the guidance of Dr. Sindhu, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V.)  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 9/8/2022

Place: Mysore



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Principal  
PRINCIPAL

(Prof. G. Jayendra Kumar, M.B.A.)

Mysore - Ooty Road, MYSURU -

Date: 9/8/2022

Place: Mysore



JSS MAHAVIDYAPEETHA

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### CERTIFICATE

This is to certify that the project report entitled "Study of Phytoplankton Diversity and Physico Chemical Analysis of Mobbali Lake, Nanjangud, Mysore District, Karnataka" is a bonafide work carried out by Ms. Manjula, M. N. under the guidance of Dr. Sindhu, G. M. For the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

**Head of the Department**  
Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V.)<sup>Ph.D.</sup>  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 9/8/22

Place: Mysore



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**CERTIFICATE**

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Principal

(Prof. Vijayendra Kumar, M. P.)

J.S.S. College of Arts, Commerce & Science  
Nanjangud-Ooty Road, MYSORE-4

Date: 9/8/22

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled "Biodiversity of Medicinal plants In Parvathi Hill ChamaraJanagar District, Karnataka, India" is a bonafide work carried out by Ms. Meghashree, H.B. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

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M.Sc., Ph.D.,  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru


Date: 8-08-2022

## CERTIFICATE

This is to certify that the project report entitled "Biodiversity of Medicinal Plants In Parvathi Hill Chamarajanagar District, Karnataka, India" is a bonafide work carried out by Ms. Meghashree, II.B, under the guidance of Dr. V. Billigiranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 8-08-2022

  
Principal  
J. S. S. COLLEGE  
Ooty Road, Mysore-570 022

# CERTIFICATE

This is to certify that the project report entitled "STYDY OF PHYTOPLANKTON DIVERSITY AND PHYSICO-CHEMICAL ANALYSIS OF NUGGIKERI LAKE WATER, DHARWAD DISTRICT, KARNATAKA" is a bona fide work carried out by NACHIKET KULKARNI under the guidance of MS. MEGHASHREE A. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson  
P.G. Dept. of Botany  
Dr. V. Biligiriranga  
JSS College, Ooty Road, Mysore

Place: Mysuru

Date: 9/8/2022

## CERTIFICATE

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Place: Mysuru

Date: 9/8/2022

  
Principal  
J.S.S. College of Arts, Commerce & Science  
Banjargud-Doty Road, MYSORE-4

## CERTIFICATE

This is to certify that the project report entitled "Analysis of physico-chemical parameters, soil samples and isolation and identification of soil samples in various fields in Ramadurg taluk, Belagam district, Karnataka " is a bonafide work carried out by Ms. PARVATI PATTAN. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.  
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PG Dept of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 08/08/2022

## CERTIFICATE

This is to certify that the project report entitled "Analysis of physico-chemical parameters, soil samples and isolation and identification of soil samples in various fields in Ramadurg taluk, Belagam district, Karnataka " is a bonafide work carried out by Ms. Parvati, S. P. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 08/08/2022

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Principal

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**CERTIFICATE**

This is to certify that the project report entitled "Documentation of Medicinal Plants in Lingegowdanadoddi, Kanakapura Taluk, Ramanagara District, Karnataka, India" is a bonafide work carried out by Ms. Pooja L. N. under the guidance of Dr. SINDHU, G. M. For the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA  
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Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 09/08/2022

Place: Mysore



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Principal

(Prof. Vijayendra Kumar, M. P.)

PRINCIPAL

J.S.S. College of Arts, Commerce & Science

Nejengud-Doty Road, MYSORE-5

Date: 09/08/2022

Place: Mysore



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## CERTIFICATE

This is to certify that the project report entitled "Effect of fungicide (Zineb-Indofil, Z-78) and bio fungicide (*Azadirachta indica*) on the seed borne mycoflora and growth of chilli (*Capsicum annuum* L.)" is a bonafide work carried out by Ms. Pranjali, G. R. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

Prof. V. BILIGIRIRANGA  
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Date: 9/08/22

Place: Mysore



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## CERTIFICATE

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Principal

(Prof. Vijayendra Kumar, M. P.)  
PRINCIPAL

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Date: 9/03/22

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled "NUTRITIONAL ANALYSIS OF KOD MILLET" is a bona fide work carried out by PRIYANKA M PALOTI under the guidance of Ms. MEGHASHREE A. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
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Chairperson  
P.G. Dept. of Botany  
JSS College, Doty Road, MYSURU

Place: Mysuru

Date: 09/08/2022

## CERTIFICATE

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**Principal**

JSS College of Arts, Commerce & Science  
Mangalad-Date Road, MYSURU.

Place: Mysuru

Date:



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## CERTIFICATE

This is to certify that the project report entitled "Diversity of Phytoplanktons and Physico-chemical Parameters of Honnamanakere Lake in Kodagu District, Karnataka, India." is a bonafide work carried out by Mr. Punith Raj, H. N. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA, V.)  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson  
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JSS College, Ooty Road, MYSURU

Date: 09/08/2022

Place: Mysore



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Principal

(Prof. Vijayendra Kumar, M. P.)

PRINCIPAL

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Nantargudi-Doty Road, MYSORE-4

Date:

Place: Mysore



## CERTIFICATE

This is to certify that the project report entitled "Diversity of Phytoplanktons and Physico-chemical Parameters of Varaha Lake in Mysuru District, Karnataka, India" is a bonafide work carried out by Ms. Raekana, M. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V.)  
Chairperson  
P.G. Dept. of Botany  
JSS College, Oshy Road, MYSORE

Place: Mysuru


Date: 08/08/2022

## CERTIFICATE

This is to certify that the project report entitled "Diversity of Phytoplankton and Physico-chemical Parameters of Varuna Lake in Mysuru District, Karnataka, India" is a bonafide work carried out by Ms. Rachana, M. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 08/08/2022

  
Principal  
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Ooty Road, Mysuru-570 028

## CERTIFICATE

This is to certify that the project report entitled "DIVERSITY OF PHYTOPLANKTON'S AND PHYSICO-CHEMICAL PARAMETERS OF JANIVARA LAKE IN HASSAN DISTRICT, KARNATAKA, INDIA." is a bonafide work carried out by Mr. Rahul, M. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V.P.)  
Chairperson  
P.G. Dept. of Botany  
JSS College, Udy Road, MYSORE

Place: Mysuru

Date: 8/8/2022

## CERTIFICATE

This is to certify that the project report entitled "DIVERSITY OF PHYTOPLANKTON'S AND PHYSICO-CHEMICAL PARAMETERS OF JANIVARA LAKE IN HASSAN DISTRICT, KARNATAKA, INDIA." is a bonafide work carried out by Mr. Rahul, M under the guidance of Dr. V. Biligirirangafor the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 8/8/2022

Principal  
Principal  
J. S. S. COLLEGE  
Ooty Road, Mysore-570 023



PROGRESS REPORT  
**JSS COLLEGE OF ARTS, COMMERCE & SCIENCE**

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## CERTIFICATE

This is to certify that the project report entitled "Comparative Phytochemical screening, Anti-bacterial and Antifeedant activity of *Nerium oleander* L. Buds, is a bonafide work carried out by Mr. Rajath, K. S. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V), D.,

Chairperson

P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 9/8/22

Place: Mysuru



JSS MAHAVIDYALAYAM  
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(Prof. Vijayendra Kumar, M/P.)

PRINCIPAL

J.S.S. College of Arts, Commerce & Science  
Manjangud-Ooty Road, MYSORE-4

Date: 9/8/22

Place: Mysuru

# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE



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Ph: 0821-2549236 & 2549238 FAX: 0821-2549238 E-mail: jsscollegearts@ymail.com Website: JSSCACS.edu.in

## CERTIFICATE

This is to certify that the project report entitled "**Phytochemical Screening and Antibacterial Activity of *Nicotiana tabacum* L. Stem**" is a bonafide work carried out by **Mr. Rakesh** under the guidance of **Dr. SINDHU, G. M.** For the partial fulfilment of the requirement for the award of the degree **Master of Science in Botany** in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for **Master of Science in Botany**.

  
Head of the Department  
**Prof. V. BILIGIRIRANGA**  
(Dr. BILIGIRIRANGA, V.)  
M.Sc., Ph.D.,  
Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 09/08/22

Place: Mysuru



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**CERTIFICATE**

This is to certify that the project report entitled "Comparative Phytochemical screening and antibacterial activity of *Nicotiana tabacum* L. Stem" is a bonafide work carried out by Mr. Rakesh under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Principal

(Prof. Vijayendra Kumar, M. P.)

**PRINCIPAL****J.S.S. College of Arts, Commerce & Science**  
Manjangudi-Doty Road, MYSURU

Date: 08/08/22

Place: Mysuru



## CERTIFICATE

This is to certify that the project report entitled "Diversity of Phytoplanktons and Physico-Chemical Parameters of Byadaralli Lake of Mandya District, Karnataka " is a bonafide work carried out by Ms. Sandhya, S. R. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

  
DR. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson  
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JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 8/8/2022

## CERTIFICATE

This is to certify that the project report entitled "Diversity of Phytoplanktons and Physico-Chemical Parameters of Byadaralli Lake of Mandya District, Karnataka" is a bonafide work carried out by Ms. Sandhya, S. R. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 8/8/2022



Principal  
Principal

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Ooty Road, Mysore-570 02

## CERTIFICATE

This is to certify that the project report entitled "Diversity of Phytoplanktons and Physico-chemical parameters of Mandakalli lake of Mysuru district, Karnataka" is a bonafide work carried out by Shreya, S. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson  
P.G. Dept. of Botany  
JSS College, Old Road, MYSORE

Place: Mysuru

Date: 8/8/2022

## CERTIFICATE

This is to certify that the project report entitled "Diversity of Phytoplanktons and Physico-chemical parameters of Mandakalli lake of Mysuru district, Karnataka" is a bonafide work carried out by Ms. Shreya, S. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 8/8/2022

  
Principal

PRINCIPAL


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Ooty Road, Mysore-570 020

## CERTIFICATE

This is to certify that the project report entitled "ANALYSIS OF PHYSICO- CHEMICAL PARAMETERS, SOIL SAMPLES AND ISOLATION AND IDENTIFICATION OF SOIL SAMPLES IN SUGARCANE FIELDS" is a bonafide work carried out by Ms. Sneha, P. under the guidance of Dr. V. Biligiriranga for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: 08/08/2022

Place: Mysore

  
Head of the Department  
P.G. Dept. of Botany  
(Dr. V. BILIGIRIRANGA)  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

## CERTIFICATE

This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS, SOIL SAMPLES AND ISOLATION AND IDENTIFICATION OF SOIL SAMPLES IN SUGARCANE FIELDS" is a bonafide work carried out by Ms. Sacha, P. under the guidance of Dr. V. Biligiriranga Head and Coordinator, Post Graduate Department of Botany, JSS college of Arts, Commerce and Science for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany submitted to the Post Graduate Department of Botany, JSS College of Arts, Commerce and Science (Autonomous) during the year 2021- 2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Principal  
Principal

(Prof. S. S. COLLEGE M. P.)  
Ooty Road, Mysore-570 028

Date: 02-08-2022

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled "Diversity of Phytoplanktons and Physico-chemical Parameters of Deviramanni Lake in Mandya District, Karnataka, India." is a bonafide work carried out by Ms. Sneha, K. A. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

DR. V. BILIGIRIRANGA  
(DR. BILIGIRIRANGA, V.)  
Chairperson  
P.G. Dept. of Botany  
JSS College, Galy Road, MYSORE

Place: Mysuru

Date: 8/8/2022

## CERTIFICATE

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Place: Mysuru

Date: 8/8/2022

  
Principal  
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## CERTIFICATE

This is to certify that the project report entitled '**Facile Green Synthesis of Nanoceria Using Leaf Extract of *Jacaranda Mimosifolia* and its Antimicrobial and Photodegradation Activity**' is a bonafide work carried out by **VINUTHA, S. ASUNDI** under the guidance of **MS. MEGHASHREE A. M.** for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

Prof. V. BILIGIRIRANGA  
(Dr. BILIGIRIRANGA, V.)  
M.Sc., Ph.D.  
Chairperson

P.G. Dept of Botany  
JSS College, Ooty Road, MYSURU

Place: Mysuru

Date: 09/08/2022

## CERTIFICATE

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Place: Mysuru

Date: 09/08/2022



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PRINCIPAL

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# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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## CERTIFICATE

This is to certify that the project report entitled "Physico-Chemical and Biological Parameter Analysis of Soil Samples Collected from Arecanut fields of Agadi Village, Haveri District, Karnataka" is a bonafide work carried out by Mr. Vishwa, M. Balalkoppa under the guidance of Dr. SINDHU, G. M. For the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department  
(Dr. BILIGIRIRANGA, V.)  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSURU

Date: 09/08/22

Place: Mysore



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## CERTIFICATE

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Principal

(Prof. Vijayendra Kumar, M. P.)

J.S.S. College of Arts, Commerce & Science

Manjunath-Doty Road, MYSURU

Date: 09/08/22

Place: Mysore



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## CERTIFICATE

This is to certify that the project report entitled "Study of Physico-Chemical characteristics of Ground water sample of Y. N. Hosakote Grampanchyat, Tumkur District, Karnataka, India" is a bonafide work carried out by Ms. Yamuna, R. under the guidance of Dr. SINDHU, G. M. For the partial fulfilment of the requirement for the award of the degree Master of Science in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2021-22. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA, V.)  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson  
PG Dept of Botany  
JSS College, Ooty Road, MYSORE

Date: 09/08/22

Place: Mysore



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## CERTIFICATE

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**Principal**  
(Prof. Vinayendra Kumar, M. P.)  
JSS College of Arts, Commerce & Science  
Mandya District - Ooty Road

Date: 9/08/2022

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled "DOCUMENTATION OF FOLK KNOWLEDGE OF MEDICINAL PLANTS IN CHALLAKERE TALUK, CHITRADURGA DISTRICT, KARNATAKA" is a bonafide work carried out by Krushi Ballavar A under the guidance of Ms. MEGHASHREE A. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

(Dr. BILIGIRIRANGA V.)

PG Dept. of Botany  
JSS College, Duly Road, MYSORE

Place: Mysuru

Date: 01/08/22

# CERTIFICATE

This is to certify that the project report entitled "DOCUMENTATION OF FOLK KNOWLEDGE OF MEDICINAL PLANTS IN CHALLAKERE TALUK, CHITTRADURGE DISTRICT, KARNATAKA" is a bonafide work carried out by krushi ballavar A under the guidance of MS. MEGHASHREE A. M for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2022. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 9/3/2022



Principal  
PRINCIPAL

J.S.S. College of Arts, Commerce & Science  
Mangalagudi-Goty Road, MYSORE-5



# CERTIFICATE

This is to certify that the project report entitled " Analysis Of Physico-Chemical And Biological Parameters Of Soil Samples Collected From Hadavanahalli Village " is a bonafide work carried out by Mr. Amruth, H. S. under the guidance of Dr. V. Biligiriranga for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson

P.G. Dept of Botany  
JSS College, Gaty Road, MYSORE

Place: Mysuru

Date: 22-09-2023,

## CERTIFICATE

This is to certify that the project report entitled " Analysis Of Physico-Chemical And Biological Parameters Of Soil Samples Collected From Hadavanahalli Village "is a bonafide work carried out by Mr. Amruth, H. S. under the guidance of Dr. V. Biligiriranga for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Principal

Place: Mysuru

Date: 25/09/2023

JSS MAHAVIDYAPEETHA

**JSS COLLEGE OF ARTS, COMMERCE & SCIENCE**

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## CERTIFICATE

This is to certify that the project report entitled "Effect of fungicide (Bavistin) and biofungicide (Neem and Turmeric) on seed borne mycoflora and growth of Brinjal (*Solanum melongena*)" is a bona fide work carried out by AMRUTHA, T. R. under the guidance of MS. MEGHASHREE A. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

  
(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22.09.2023.



**JSS MAHAVIDYAPEETHA**  
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Principal

Place: Mysuru

Date: 25/9/23

## CERTIFICATE

This is to certify that the project report entitled "The Study of Floristic Diversity and Documentation of flora in Sukhadhare Village, Karnataka " is a bonafide work carried out by Ms. Bhoomika. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

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PROF. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson

P.G Dept of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

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Principal

Place: Mysuru

Date: 25/9/23



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PRINCIPAL

(Dr. PRATHIBHA, S)

Place: Mysuru

Date:



# CERTIFICATE

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**Place: Mysuru**

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## CERTIFICATE

This is to certify that the project report entitled "Effect of fungicide (Bavistin) and biofungicide (*Cow urine, Azadirachta indica, Curcuma longa*) on seed borne mycoflora and growth of Chilly (*Capsicum annum. L.*)" is a bonafide work carried out by Ms. IMPANA, K. V. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-23. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

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Prof. V. BILIGIRIRANGA  
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Date: 22.09.2023.

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(Dr. PRATHIBA, S.)

Date:

Place: Mysore

## CERTIFICATE

This is to certify that the project report "**Phytochemical analysis and antibacterial activity of leaf and stem extracts of plant *Persicaria chinensis* and green synthesis of ZnO nanoparticles in leaf and their applications**" is a bonafide work carried out by **Ms. KRUPA HEGDE**, under the guidance of **Dr. V. Biligiriranga** for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the ISS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
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Prof. V. BILIGIRIRANGA  
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Date:- 22.09.2023

Place:- Mysuru



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Principal  
(Dr. S Prathibha)

Date: 25/09/23

Place: Mysuru





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### CERTIFICATE

This is to certify that the project report entitled "Green synthesis of  $\text{BiVO}_4$  nanoparticles using *Plumbago zeylanica* root extract and their antimicrobial and photodegradation activity" is a bonafide work carried out by MAMATA S. WAI under the guidance of MS. MEGHASHREE A. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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Chairperson  
P.G. Dept. of Botany  
JSS College, Doty Road, MYSORE

Place: Mysuru

Date: 25/09/2023



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## CERTIFICATE

This is to certify that the project report entitled "DOCUMENTATION OF MEDICINAL PLANTS IN RAYASAMUDRA VILLAGE OF KRISHNARAJAPETE TALUK, MANDYA." is a bona fide work carried out by Ms. MANISHA, R.P. under the guidance of MS. MEGHASHREE A. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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## CERTIFICATE

This is to certify that the project report entitled "**Phytochemical screening and biological activity of *Capparis divaricata* Lam. stem extracts**" is a bonafide work carried out by **MANJUSHREE K.P.** under the guidance of **MS. MEGHASHREE A. M.** for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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## CERTIFICATE

This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL CHARACTERISTICS AND PHYTOPLANKTON BIODIVERSITY IN CHAMANAHALLI LAKE OF MYSURU DISTRICT, KARNATAKA." is a bona fide work carried out by **Monika R. S.** under the guidance of **MS. MEGHASHREE A. M.** for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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JSS College, Ooty Road, MYSORE

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Date: 22/09/23

JSS MAHAVIDYAPEETHA



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Date: 29/09/23

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## CERTIFICATE

This is to certify that the project report entitled "Analysis of physico-chemical parameters and Isolation of fungi in soil samples from different crop fields around Hassan District, Karnataka" is a bonafide work carried out by Ms. N. N. Supritha, under the guidance of Dr. SINDHU, G. M. For the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

**PRINCIPAL**  
**(Dr. PRATHIBHA, S)**

Place: Mysore

Date: 25/09/23

## CERTIFICATE

This is to certify that the project report entitled "Analysis of physico-chemical parameters of soil samples, isolation and identification of fungi in soil samples of different crop fields of Nanjangud Taluk, Mysore District, Karnataka" is a bonafide work carried out by Mr. NANDISH K.N., under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

  
(Dr) BILIGIRIRANGA  
V.Sc., Ph.D.

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysore

Date: 25-09-2023

## CERTIFICATE

This is to certify that the project report entitled "Analysis of physico-chemical parameters of soil samples, isolation and identification of fungi in soil samples of different crop fields of Nanjangud Taluk, Mysore District, Karnataka" is a bonafide work carried out by Mr. **NANDISH K.N.**, under the guidance of **Dr. V. Billigiranga** for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



**PRINCIPAL**

**(Dr. PRATHIBHA, S)**

**Place: Mysore**

**Date: 25-03-2023**

# CERTIFICATE

This is to certify that the project report entitled "Analysis of physico-chemical parameters of soil sample (S.Byadarahally village) Magadi taluk Ramanagara district" is a bonafide work carried out by Ms. Navyashree, B.R. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

(Dr. V. BILIGIRIRANGA.)  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson

P.G. Dept. of Botany  
JSS College, Udy Road MYSORE

Place: Mysuru

Date: 25 - 09 - 2023

## CERTIFICATE

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Principal

Place: Mysuru

Date: 25-9-2023





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## CERTIFICATE

This is to certify that the project report entitled "Analysis of Physico-chemical and biological parameters of soil samples from Kattemanuganhalli village of H. D. Kote Taluk, Mysuru district, Karnataka" is a bonafide work carried out by Ms. NISARGA, N. S. under the guidance of MS. MEGHASHREE A. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

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Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson

P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22-09-2023



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Principal

Place: Mysuru

Date: 25/09/2023

## CERTIFICATE

This is to certify that the project report entitled "Preliminary phytochemical analysis, antibacterial activity, separation of pigments by thin layer chromatography(TLC) and synthesis of nano particles (Zinc vanadate) of *Pterocarpus santalinus* L. leaf" is a bonafide work carried out by Ms. Niveditha, R. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department  
(Dr. BILIGIRIRANGA, V.)  
Prof. V. BILIGIRIRANGA  
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JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 25-09-2023

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**Principal**

**Place: Mysuru**

**Date: 25-09-2023**

## CERTIFICATE

This is to certify that the project report entitled "Analysis of Physico-chemical and isolation of microbes from different soil samples in Ambale village, Nanjangud taluk, Mysuru district, Karnataka" is a bonafide work carried out by Ms. Prathima, A. G. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
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JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22-09-2023

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Principal

Place: Mysuru

Date: 25-09-2023



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## CERTIFICATE

This is to certify that the project report entitled "Analysis Physico- chemical and biological parameters of soil samples from Tiptur Taluk, Tumkur District, Karnataka." is a bona fide work carried out by RACHITHA, K.K. under the guidance of MS. MEGHASHREE A. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

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Date: 25/1/23



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Principal

Place: Mysuru

Date: 25/9/23





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## CERTIFICATE

This is to certify that the project report entitled "Analysis of Physico-Chemical Parameters And Identification of Phytoplanktons in Water Samples of Nodaelhalla and Halebeedukaval Lake Mysore District, Karnataka" is a bonafide work carried out by Ms. RANJITHA, N. B. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

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Prof. V. BELIGIRIRANGA  
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P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysore

Date:



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**PRINCIPAL**

**(Dr. PRATHIBHA, S)**

**Place: Mysore**

**Date:**

JSS MAHAVIDYAPEETHA

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**CERTIFICATE**

This is to certify that the project report entitled "EVALUATION OF AIR POLLUTION TOLERANCE INDEX OF SOME PLANT SPECIES IN MYSURU CITY" is a bonafide work carried out by ROOPA SANGALAD under the guidance of MS. MEGHASHREE A. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22-09-2023



JSS MAHAVIDYALAYA

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Principal

Dr. S. Prathibha

Place: Mysuru

Date: 25/09/2023

## CERTIFICATE

This is to certify that the project report entitled "Analysis of physico-chemical parameters of soil samples, isolation and identification of fungi in soil samples of different crop fields of Hunsur Taluk, Mysore District, Karnataka" is a bonafide work carried out by Mr. SAIKIRANRAJ, D under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department



(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA  
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Chairperson  
P.G. Dept of Botany  
JSS College, Udy Road, MYSORE

Place: Mysuru

Date: 25/09/2023

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PRINCIPAL

(Dr. PRATHIBHA, S)

Place: Mysuru

Date: 25/09/2023

## CERTIFICATE

This is to certify that the project report entitled " Documentation of Medicinal plant in Chikkundi village Mysore district " is a bonafide work carried out by Ms. Sindhu H. M. under the guidance of Dr. V. Biligiranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

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Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date:

## CERTIFICATE

This is to certify that the project report entitled **Documentation of Medicinal plant in Chikknandhi village Mysore district** is a bonafide work carried out by **Ms. Sindhu, H. M** under the guidance of **Dr. V. Biligiriranga** for the partial fulfilment of the requirement for the award of the degree **Master of Science (M.Sc.) in Botany** in the **JSS College of Arts, Commerce and Science (Autonomous)** during the year **2022-2023**. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for **Master of Science in Botany**.



Principal

Place: Mysuru

Date:





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## CERTIFICATE

This is to certify that the project report entitled "Effect of fungicide (Bavistin) and biofungicide (Cow urine, Neem and Turmeric) on seed borne mycoflora and growth of Tomato (*Solanum lycopersicum*)" is a bona fide work carried out by SMITHA S. B. under the guidance of MS. MEGHASHREE A. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2021-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

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JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22.09.2023.



THE MAHARAJA'S UNIVERSITY

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## CERTIFICATE

This is to certify that the project report entitled "Study of Phytoplankton Diversity and Analysis of Physio- Chemical parameters of Tippaji Kola (Kalyani/ Temple tank) in Kumbar Koppal, Mysore, Karnataka" is a bonafide work carried out by Ms. Sowmya. S. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science(Autonomous) during the year 2020-21. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. V. BELIGIRIRANGA)

Prof. V. BELIGIRIRANGA

M.Sc., Ph.D.,

Chairperson

P.G. Dept. of Botany

JSS College, Ooty Road, MYSORE

Date: 22.09.2023

Place: Mysore



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(Dr. Prathiba, S.)

Date: 22/9/2023

Place: Mysore



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### CERTIFICATE

This is to certify that the project report entitled "Analysis of physico-chemical parameters and Isolation of fungi in soil samples of sunflower crop field around Gundlupet taluk, ChamaraJanagar District, Karnataka" is a bonafide work carried out by Mr. SUNILKUMAR under the guidance of Dr. SINDHU, G. M. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

(Dr. V. BILIGIRIRANGA)

PROF. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Date: 22/9/23

Place: Mysore



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PRINCIPAL

(Dr. PRATHIBHA, S)

Place: Mysore

Date:



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## CERTIFICATE

This is to certify that the project report entitled "Documentation of Medicinal Plants in Beeranakallu Betta Ajjappanahalli Tumkur" is a bonafide work carried out by Mr. SUPREETH, K. R. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-23. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Departmentt

(Dr. V. BILIGIRIRANGA)

Prof. V. BILIGIRIRANGA  
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JSS College, Dady Road, MYSORE

Date: 22-09-2023.

Place: Mysore



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**CERTIFICATE**

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Principal

(Dr. PRATHIBHA, S.)

Date: 25-09-2023

Place: Mysore



## CERTIFICATE

This is to certify that the project report entitled "Documentation of medicinal plants in Mudukthore village, T. Narasipura taluk, Mysore." is a bonafide work carried out by Ms. Vaishnavi. H. N. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

(Dr. BILIGIRIRANGA, V.)

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M.Sc., Ph.D.,

Chairperson  
P.G. Dept. of Botany  
JSS College, Doty Road, MYSORE

Place: Mysuru

Date: 22.09.2023

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Principal

Place: Mysuru


Date: 25.9.2023.

## CERTIFICATE

This is to certify that the project report entitled "Phytochemical Screening, Anti-Bacterial activity in *Cyclea peltata* and The Green Synthesis of Lanthanum oxide Nanoparticle and its application" is a bonafide work carried out by MS. Vasavi, D, Bhatt under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Place: Mysuru

Date: 23/09/23

  
Head of the Department  
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Prof. V BILIGIRIRANGA  
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Chairperson  
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Principal

Place: Mysuru

Date: 23/09/23

## CERTIFICATE

This is to certify that the project report entitled "Allelopathic effect of aqueous leaf extract of *Azolla* and biochemical parameters on Paddy and Wheat seed germination" is a bonafide work carried out by Mr. Vinod kumar N. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

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JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22-09-2023

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Principal

Place: Mysuru

Date: 25/09/2023

## CERTIFICATES

This is to certify that the project report entitled "Documentation of traditional knowledge of medicinal plants in Heggadadevanakote taluk and Sarguru taluk, Mysuru district, Karnataka" is a bonafide work carried out by Ms. Vinutha, H. A. under the guidance Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2023-2024. It is certified that all corrections and suggestions in the report. The project report has been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the department

  
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Prof. V. BILIGIRIRANGA  
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Chairperson

P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

Place: Mysuru

Date:

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Principal

**Place: Mysuru**

**Date:**



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Head of the Department

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JSS College, Ooty Road, MYSORE

Place: Mysuru

Date: 22.09.2023,

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Principal

Place: Mysuru

Date: 25.9.23



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## CERTIFICATE

This is to certify that the project report entitled "Documentation of Floristic Diversity of Bommanahalli forest and its surrounding village" is a bonafide work carried out by Ms. Shivani R. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-23. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

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Date:

Place: Mysore



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Principal  
(Dr. PRATHIBHA, S.)

Date: 25/09/2023

Place: Mysore



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## CERTIFICATE

This is to certify that the project report entitled "Study of Inoculation Technique in Muskmelon (*Cucumis melo* L.) and Hot Pepper (*Capsicum annum* L.) Against *Fusarium* Wilt and Chilli Veinal Mottle Virus Respectively" is a bonafide work carried out by Ms. Preethi, N. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science(Autonomous) during the year 2022-2023. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for the Master of Science in Botany.

Head of the Department

(Dr. V. BELIGIRIRANGA)

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson

P.G. Dept. of Botany  
JSS College, Ooty Road, Mysur

Date: 22/09/2023

Place: Mysore



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Principal

(Dr. Prathibha, S.)

Date: 22/09/2023

Place: Mysuru



JSS MAHAVIDYALAYA

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## CERTIFICATE

This is to certify that the project report entitled "A Study on Diversity of Phytoplanktons and Physico-Chemical Parameters of Vaddarahalli Lake of Mandya District, Karnataka" is a bonafide work carried out by Ms. Sunitha, H. under the guidance of Dr. SINDHU, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2022-23. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

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Date: 26/09/2023

Place: Mysore



JSS MAHAVIDYAPEETHA

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Principal

(Dr. Prathibha, S.)

Date: 25/09/2023

Place: Mysore





# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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## CERTIFICATE

This is to certify that the project report entitled "Flora of JSS Women's college, Mysuru" is a bonafide work carried out by Ms. Akshatha, M under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science(Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

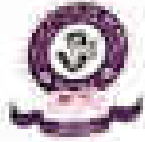
Head of the Department

Prof. V. BILIGIRIRANGA  
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JSS College, Gody Road, MYSORE  
(Dr. V BILIGIRIRANGA)

Date: 29.5.19

Place: Mysore



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**CERTIFICATE**

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Principal  
PRINCIPAL

JSS College of Arts, Commerce & Science  
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(Prof. M. MAHADEVAPPA)

Date:

Place: Mysore



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## CERTIFICATE

This is to certify that the dissertation entitled "Estimation of chromosome numbers and AMF associations in *Musa* spp." submitted to the JSS College of Arts, Commerce and Science by **Miss. Amrutha G.V.** under the guidance of Dr. A.L. VEERABHADRA SWAMY, for the partial fulfilment of the requirement of the award of the degree of Master of Science in Botany during the year 2018-19

Place: Mysuru

Date: 28/5/19

  
(Dr. V. Biligiriranga)

Head of the Department  
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Chairperson  
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Place: Mysuru

Date: 28/05/19

  
Principal  
J.S.S. College  
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## CERTIFICATE

This is to certify that the dissertation entitled "PHYLLOSHERE MICROFLORA OF FEW TERRESTRIAL AND AQUATIC PLANTS" submitted to the JSS College of Arts, Commerce and Science by **Mr. ANANTH R.** under the guidance of Dr. A.L. VEERABHADRA SWAMY, for the partial fulfilment of the requirement of the award of the degree of Master of Science in Botany during the year 2018-19

Place: Mysuru

Date: 28/5/19

  
(Dr. V. Biligiriranga)

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Place: Mysuru

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This is to certify that the project report entitled "FLORA OF J.S.S MEDICAL COLLEGE MYSURU" is a bonafide Swork carried out by Ms. Anitha R under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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Date: 29.5.19

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**CERTIFICATE**

This is to certify that the project report entitled "**FLORA OF SJCE CAMPUS, MYSURU**" is a bonafide work carried out by **ARUN KUMAR,N.P**

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## CERTIFICATE

This is to certify that the project report entitled "Evaluation of three local medicinal plant extracts on seed germination, vigour index and seed associated mycoflora of *Sorghum bicolor* L." is a bonafide work carried out by Mrs. Benakalakshmi, M.R. under the guidance of Dr. Rashmi S. for the partial fulfillment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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This is to certify that the project report entitled "*Air borne microbes in selected crop fields of Mandya district, Karnataka*" is a bonafide work carried out by Mr. **Chidananda, H.R.** under the guidance of Dr. Rashmi, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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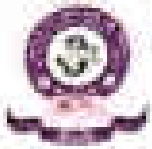
## CERTIFICATE

This is to certify that the dissertation entitled "Preliminary test and anatomical features of few plant originated drugs" submitted to the ISS College of Arts, Commerce and Science by **Mrs. KAVANA J.M.** under the guidance of Dr. A.L. VEERABHADRA SWAMY, for the partial fulfilment of the requirement of the award of the degree of Master of Science in Botany during the year 2018-19

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This is to certify that the dissertation entitled "PLOIDY DETERMINATION IN FOUR TRAITS OF *MUSA* Spp." submitted to the JSS College of Arts, Commerce and Science by **Miss. LAYA ROSE MATHEW** under the guidance of Dr. A.L. VEERABHADRA SWAMY, for the partial fulfilment of the requirement of the award of the degree of Master of Science in Botany during the year 2018-19

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## CERTIFICATE

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This is to certify that the project report entitled "diversity of plants in suttar matt, mysuru branch, mysuru" is a bonafide work carried out by Mr. Manju.C under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science(Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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**CERTIFICATE**

This is to certify that the project report entitled "Diversity of plants in suttar matt, mysuru branch, mysuru" is a bonafide work carried out by Mr. Manju, C. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science(Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Principal  
PRINCIPAL  
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Ooty Road, MYSURU-25  
(Prof. M. MAHADEVAPPA)

Date:

Place: Mysore

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## CERTIFICATE

This is to certify that the project report entitled "*Isolation and identification of soil mycoflora in agricultural fields at Sameshivacapurra in Mysore district*" is a bonafide work carried out by Ms. **Nayana, K.** under the guidance of Dr. **Rashmi S.** for the partial fulfillment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

  
Prof. V. BILIGIRIRANGA  
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(Dr. BILIGIRIRANGA V.)  
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## CERTIFICATE

This is to certify that the project report entitled "*Antagonist Activity of fungal organisms against fruit rot of papaya caused by Fusarium solani*" is a bonafide work carried out by **Ms. Pooja, P.** under the guidance of **Dr. Rashmi S.** for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

Chairperson

P.G. Dept. of Botany  
(Dr. BILIGIRIRANGA) V&E

Date: 27.5.19

Place: Mysore



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## CERTIFICATE

This is to certify that the project report entitled "Antagonistic activity of fungal organisms against early blight of tomato caused by *Alternaria alternata*" is a bonafide work carried out by Ms. Radhika, M.P. under the guidance of Dr. Rashmi S. for the partial fulfillment of the requirement for the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

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**CERTIFICATE**

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## CERTIFICATE

This is to certify that the project report entitled "FLORA OF JSS College Arts, Commerce and Science, MYSURU" is a bonafide work carried out by **Ms. Ranjitha, S. N.** under the guidance of **Dr. V. Biligiriranga** for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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**Place: Mysore**



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**CERTIFICATE**

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## CERTIFICATE

This is to certify that the project report entitled "FLORA of JSS Polytechnic college, Mysuru" is a bonafide work carried out by Ms. Sanghavi N under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science(Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
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(Prof. M. MAHADEVAPPA)

**Date:**

**Place: Mysore**



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## CERTIFICATE

This is to certify that the project report entitled "*Comparative study of rhizosphere soil fungi isolated from Chemical treated and Biofertilizer treated tomato fields*" is a bonafide work carried out by Ms. SAVITHA, M.K. under the guidance of Dr. RASHMI S. for the partial fulfillment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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JSS College, Doty Road, MYSORE  
(Dr. BILIGIRIRANGA V.)

Date: 27/5/19

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Principal  
J.S.S. College  
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Date:

Place: Mysore



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## CERTIFICATE

This is to certify that the dissertation entitled "EXTRACTION OF DYE, POLLEN STUDIES AND PHYTOCHEMICAL ANALYSIS OF VINCA TRAITS" submitted to the JSS College of Arts, Commerce and Science by **Miss. SHAGUFTHA SABHA A.** under the guidance of Dr. A.L. VEERABHADRA SWAMY, for the partial fulfilment of the requirement of the award of the degree of Master of Science in Botany during the year 2018-19

Place: Mysuru

Date: 28.5.19

  
(Dr. V. Biligiriranga) 28/5/19

Head of the Department  
Prof. V. BILIGIRIRANGA  
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Place: Mysuru

Date: 4/6/19

*[Handwritten Signature]*  
Principal 30/5/19

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## CERTIFICATE

This is to certify that the project report entitled "Antifungal activity of Antagonist fungi against plant diseases caused in nurseries" is a bonafide work carried out by Ms. Sushmitha .V. Kubsad under the guidance of Dr. Rashmi S. for the partial fulfillment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

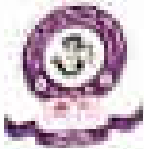
Prof. V. BILIGIRIRANGA  
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(Dr. BILIGIRIRANGA)  
JSS College, Gully Road, MYSURU

Date: 29/5/19

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## CERTIFICATE

This is to certify that the dissertation entitled "PHYLLOSPHERE MICROFLORA OF SOME SELECTED MEDICINAL AND GARDEN PLANTS" submitted to the JSS College of Arts, Commerce and Science by **Miss. YAMUNA S.P.** under the guidance of Dr. A.L. VEERABHADRA SWAMY, for the partial fulfilment of the requirement of the award of the degree of Master of Science in Botany during the year 2018-19

Place: Mysuru

Date: 28.5.2019

 28/5/19  
(Dr. V. Biligiriranga)

Head of the Department  
DR. V. BILIGIRIRANGA  
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Place: Mysuru

Date: 28-05-19



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### CERTIFICATE

This is to certify that the project report entitled "MEDICINAL PLANTS DIVERSITY IN FLORA OF JSSCACS Mysuru" is a bonafide work carried out by Ms. Rashmitha, B.R under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science(Autonomous) during the year 2018-19. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

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(Prof. M. MAHADEVAPPA)

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### CERTIFICATE

This is to certify that the project report entitled "THE STUDY OF PHYTOPLANKTONS DIVERSITY IN HEGGERI LAKE, HAVERI" is a work carried out by Ms. Bhagyalaxmi Mukkannavar under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year of 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project has been approved as it satisfies the academic requirements in respect prescribed for Master of Science in Botany.

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Head of the Department  
Head

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( Dr. V. Biligiriranga )

Place: Mysore


Date: 1 / 10 / 20



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( Dr. H. C. Honnappa.)

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## CERTIFICATE

This is to certify that the dissertation entitled "STUDIES ON THE ADSORPTION OF METHYLENE BLUE FROM THE PRODUCTION OF ACTIVATED CARBON USING AQUEOUS OF FEW SPECIES OF BANANA STEM" submitted to the JSS College of Arts, Commerce and Science by **Miss. CHANDANA M** under the guidance of Dr. A.L.VEERABHADRA SWAMY, for the partial fulfilment of the requirement of the award of the degree of Master of Science in Botany during the year 2019-20.

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### CERTIFICATE

This is to certify that the dissertation entitled "Anti-termite Activity of *Hyptis suaveolens* (L.) Poit." is a bonafide work carried out by **Mr. Dharma Teja, M.** under the guidance of **Dr. Rashmi S.** for the partial fulfillment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2019-20. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
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## CERTIFICATE

This is to certify that the project report entitled "Diversity of Lichens in Savanadurga State Forest, Ramanagara district, Karnataka" is a bonafide work carried out by Ms. DIVYASHREE, S.M. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2019-20. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
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### CERTIFICATE

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## CERTIFICATE

This is to certify that the dissertation entitled "ANALYSIS OF BASIC CHEMICAL COMPOUNDS (CRUDE COMPOUNDS) AND SEPARATION OF PIGMENTS FROM LEAF EXTRACT" submitted to the JSS College of Arts, Commerce and Science by **Miss. NANDITHA C.G.** under the guidance of **Dr. A.L. VEERABHADRA SWAMY**, for the partial fulfilment of the requirement of the award of the degree of Master of Science in Botany during the year 2019-20

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H.N.ROAD, MYSORE-570025 KARNATAKA  
Re-accredited by NAAC with 'A' grade  
Recognised by UGC as 'College with Potential for Excellence'

### CERTIFICATE

This is to certify that the project report entitled "MEDICINAL PLANTS DIVERSITY IN THE HOSTEL CAMPUS JSSCACS OOTY ROADMYSURU (2020)" is a work carried out by **Ms. NAYANA. M. J** under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year of 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project has been approved as it satisfies the academic requirements in respect prescribed for Master of Science in Botany.

Head of the Department

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE  
( Dr. V. Biligiriranga )

Place: Mysore


Date: 14/9/20



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D.N.ROAD, MYSORE-570025 KARNATAKA  
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Principal  
JSS College of Arts, Commerce & Science  
Road, MYSURU-25  
(Dr. H. C. Honnappa.)

Place: Mysore


Date:

## CERTIFICATE

This is to certify that the project report entitled "Evaluation of abiotic elicitor (Salicylic acid) for growth promotion and disease protection in chilli against *Cercospora* leaf spot" is a bonafide work carried out by Niharika, U. K. under the guidance of Dr. Sindhu, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: 14/9/20

Place: Mysore

  
Head of the Department  
(Dr. BILIGIRIRANGA V.)  
M.Sc., Ph.D.,  
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JSS College, Ooty Road, MYSORE

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Date: 03/10/2020

Place: Mysore

  
Principal  
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## CERTIFICATE

This is to certify that the dissertation entitled "ANALYSIS OF BASIC CHEMICAL COMPOUNDS (CRUDE COMPOUNDS) AND SEPARATION OF PIGMENTS FROM LEAF EXTRACT" submitted to the JSS College of Arts, Commerce and Science by **Miss. NOORBINA, E.** under the guidance of **Dr. A.L. VEERABHADRA SWAMY**, for the partial fulfillment of the requirement of the award of the degree of Master of Science in Botany during the year 2019-20.

Place: Mysuru

Date: 14/9/20

  
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Place: Mysuru

Date: 14/9/2020

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### CERTIFICATE

This is to certify that the project report entitled "The study of desiccation in tolerance, *eragrostiella brachyphylla*" is a work carried out by Mr. PAVAN S B. under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year of 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project has been approved as it satisfies the academic requirements in respect prescribed for Master of Science in Botany.

Head of the Department

Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.,

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P.G. Dept of Botany  
JSS Mahavidyalaya Mysore

Place: Mysore


Date: 14/9/20



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Principal  
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Place: Mysore

Date: 14/9/2020



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## CERTIFICATE

This is to certify that the dissertation entitled "THE STUDY OF PHYTOPLANKTON DIVERSITY AND THEIR SYSTEMATIC CLASSIFICATION WITH CHARACTERISTICS IN KONANURU LAKE" submitted to the JSS College of Arts, Commerce and Science by **Ms. POOJASHREE, S.** under the guidance of Dr. V. Biligiriranga for the partial fulfilment of the requirement of the award of the degree of Master of Science in Botany during the year 2019-20

Place: Mysuru

Date: 14/9/20

  
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Place: Mysuru

Date:


  
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### CERTIFICATE

This is to certify that the project report entitled "SOIL ANALYSIS ISOLATION AND IDENTIFICATION OF FUNGI PRESENT IN THE SOIL SAMPLE BY SERIAL DILUTION METHOD" is a work carried out by a Ms. RAMYA. M under the guidance of Dr. V. Biligiranga for the partial fulfilment of the award of the degree Master of Science (M.Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year of 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project has been approved as it satisfies the academic requirements in respect prescribed for Master of Science in Botany.

  
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JSS College, Ooty Road, MYSORE

Place: Mysuru

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Principal  
  
( Dr. H. C. Hombappa.)

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Oldy Road, MYSURU-25

Place: Mysuru

Date:





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## CERTIFICATE

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Place: Mysuru

Date: 14/9/20

  
(Dr. V. Biligiriranga)  
Head

Head of the Department  
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Place: Mysuru

Date: 03-10-2020

  
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## CERTIFICATE

This is to certify that the project report entitled "*Evaluation of abiotic elicitor Salicylic Acid for plant growth promotion and disease protection in Tomato plant against Alternaria solani*" is a bonafide work carried out by Ms. Reshma, M. under the guidance of Mrs. Sindhu, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science(Autonomous) during the year 2019-20. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

**P. V. BILIGIRANGA**  
M.Sc., Ph.D.

Chairperson

P.G. Dept of Botany  
JSS College, Doty Road, MYSORE

Examiners:

1. \_\_\_\_\_

2. \_\_\_\_\_

Date: 14/9/20

Place: Mysore



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Principal  
JSS College of Arts, Commerce & Science  
(Professor Honnappa, H. C.)

Date:

Place: Mysore

## CERTIFICATE

This is to certify that the project report entitled " Evaluation of abiotic elicitor (calcium chloride) for growth promotion and disease protection in chilli against *Cercospora* leaf spot" is a bonafide work carried out by Miss. Shayan Poovaiah, under the guidance of Dr. Sindhu, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: 14/9/20

Place: Mysru

  
(Head of the department)

**Dr. V. BILGIRIANGA**  
M.Sc., Ph.D.

Chairperson  
P.G. Dept. of Botany  
JSS College, Ooty Road, MYSORE

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Date:

Place: Mysuru

  
Principal  
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Mysuru  
(Prof. HONAPPA, H. C.)



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## CERTIFICATE

This is to certify that the project report entitled "*Determination of total phenolics in methanolic extracts of Adhatoda vasica*" is a bonafidework carried out by Ms. SOWNDARYA, T.M. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2019-20. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.



Head of the Department

Prof. V. BILIGIRIRANGA

U.S.C. P.L.C.

Chairperson

PG Dept. of Botany

(Dr. BILIGIRIRANGA V.)

Date: 17/9/20

Place: Mysore



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**CERTIFICATE**

This is to certify that the project report entitled "Green Synthesis of silver nano particles using *Premna Intigrifolia* Leaf extract and their potential *Invitro* anticancer effect" is a bonafidework carried out by Ms. SPANDANA, K. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2019-20. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department  
Prof. V. BILIGIRIRANGA  
M.Sc., Ph.D.

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JSS College, Ooty Road, MYSORE  
(Dr. BILIGIRIRANGA V.)

Date: 14/9/20

Place: Mysore



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Principal

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**CERTIFICATE**

This is to certify that the project report entitled "*Ethnobotanical documentation of medicinal plants in Kappathgudda forest of Gadag District, Karnataka*" is a bonafide work carried out by Ms. SPOORTI, D. HIREGUDAR, under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science(Autonomous) during the year 2019-20. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
Head of the Department

(Dr. BILIGIRIRANGA V.)

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## CERTIFICATE

This is to certify that the dissertation entitled "*STUDY OF EFFECTS OF IRRIGATION WITH TREATED INDUSTRIAL WASTEWATER ON VEGETATIVE GROWTH AND PIGMENTATION OF FORAGE CROPS*" is bonafide work carried out by **Miss. SUJATA PAL** under the guidance of **Dr. Veerabhadra swamy, A.L.** for the partial fulfillment of the requirements for the award of the degree Master of Science in Botany in the JSS College of Arts, Commerce and Science during the year 2019-20. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
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## CERTIFICATE

This is to certify that the project report entitled "Phytochemical analysis and Antimicrobial activity of *Vitex negundo* leaves" is a bonafide work carried out by Ms. Thasmiya Begum under the guidance of Dr. Sindhu, G. M. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the PG Department of Botany, JSS College of Arts, Commerce and Science during the year 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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**CERTIFICATE**

This is to certify that the project report entitled "*Estimation of total phenolic content in Ligustrum vulgaris and Dodonaea viscosa*" is a bonafide work carried out by Ms. VIDYASHREE M. under the guidance of Dr. RASHMI, S. for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce And Science (Autonomous) during the year 2019-20. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

  
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## CERTIFICATE

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## CERTIFICATE

This is to certify that the project report entitled "BIODIVERSITY OF VEGETABLES IN KRISHI VIGYAN KENDRA OF SUTTUR MATT, MYSURU BRANCH" is a bonafide work carried out by Ms. Naveena, R. under the guidance of Dr. V. Biligiriranga. M. Sc, Ph.D for the partial fulfilment of the requirement for the award of the degree Master of Science (M. Sc.) in Botany in the JSS College of Arts, Commerce and Science (Autonomous) during the year 2019-2020. It is certified that all corrections and suggestions indicated for the dissertation has been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

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