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. Billigiriranga 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. BILLIGIRIBANGA)

M.Sc., Ph.D.,

Place: Mysuru

Date: 32-09-3031

Chairperson
P.G. Ezpt of Botany
JSS College, Only Road, MYSORE

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Place: Mysuru

Date: 32-09-2021

JSS Consule of Arts, Culmerce & Science

This is to certify that the project report entitled "PHYTOCHEMICAL SCREENING OF HEALTHY AND DISEASED B. alearaceae Var. capitata CROP PLANT SPECIES" is a boundide 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 Departmen

(Dr. BILIGIRIRANGA, V)

Prof. V. BILIGIRIRANGA

M.5c., Ph.D.,

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

Place: Mysuru

Date: 21 09/21

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Place: Mysuru

Date: 21 |09 |21

Principal

JSS Liftige Date Rose - Windure 15

#### JSS MAHAVIDYAPEETHA



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

(An Autonomous College of University of Mysore)
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Ph: 1821-2548236 & 2548380, FAX: 0821-2548238 E-mail: journtonomous a provil com Website: JSSCACS.edu.in

### 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

(Dr. BILIGIRIRANGA V.)

JSS College, Coty Road, MYSORE

Date: 2319/2021



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JSS Cottege of Arts, Currence & Science Cotty Roa / MYSURU-25

(Dr. HONNAPPA, H. C.)

Date: 2 319 2021

This. 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 Bottiny.

Place: Mysuru

Date: 22-09-2021

Head of the Department

(Dr. BILIGIRIRANGA, V.)

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

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

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Place: Mysuru

Date: 22-09-2021

Principal

JS\$ College of Arts, Commerce & Science Opty Road MYSURGERS

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.

Head of the Department

(Dr. BILIGIRIRANGA. V)

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

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

Place: Mysuru

Date: @2.09.21

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Place: Mysuru

Date: 20.09.21

Principal
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Colv Roser MYSURU-15

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

P.G. Dapt of Bolany JSS College Coly Road, MY509E

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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 the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: 21 - 09 - 2021

Place: Mysore

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(Prof. HONNAPPA, H. C.)

PRINCIPAL

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

This is to certify that the project report entitled "Phytochemical analysis and antioxidative activity of seeds- Linum usitatissium (L), Foeniculum vulgare (L), and Trachyspermum ammi (L)" is a Bonafede 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 NGA

(Dr. BILIGIRIRANGAL MYSORE

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Date:

Place: Mysore

Principal

(Prof. HONNAPPA, H. C.)

JSS College of Arts, Cummerce & Science Only Road, MYSURU-25

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JSS MAHAVIDVAPEETHA

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Ph. 19821-2548234 & 2548388. FAX: 19821-2548238 E-mail: [maximum company amakeum Website: 1986 AC Lesta in

### CERTIFICATE

This is to certify that the project report entitled "Determination of Anthelmintics and Insecticidal Activities of some Lichenic Extracts" is a bonnfide 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

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

(Dr. BILIGIRIRANGA V.)

Date: 257 8 21

### SS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Principal

(Dr. HONNAPPA. H. C.)

USS College of Arts, Culmerce & Science Oaty Road, MYSURU-25

Date:

### 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 Sciencein Botany.

Date: - 20,09, 2021

Place: - Mysore

Head of the Department GA

(Dr. BIL CHRIRANCA, SA

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Date: - 20.09.2021.

Place: - Mysore

Principal OFFINCIPAL ON ROAD MYSURU-25

(Prof. HONNAPPA, H. C.)



#### JSS MAHAVIDYAPEETHA

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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

M.Sc., Ph.D.,

Champerson
P.G. Cinpt. of Botany
JSS College, Optr Road, MYSORE

Date: 2618 202

#### JSS MAHAVIDVAPEETHA



### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Principal

PRINCIPAL JSS College of Arts, Cumperce & Science Opty Road MYSURU-25

Date:

PROBLEM AND ASSESSMENT



### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Phy 9821-2548236 & 2548280. FAX: 0821-2548228 E-mail: prostinument of graditum Welmin: JSSCAC Sedicin

### 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 curried 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.

Head of the Department\_

(DD, BILLIGHTERANGAANGA

M.St., Ph.D.,

P.G. Dept of Botany JSS College, Ooty Road, MY SORE

Date: 11 09/2021.

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### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Principal

(Dr. HONNAPPA H.C.)

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

Date: 11 09 2021

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.

Date:

Place: Mysore

Head of the Department

Prof. V. BILIGIRIRANGA (Dr. BILIGIRIRANGA, V.) Champerson P.G. Capt of Botany JSS College, Only Road, MYSORE

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Date:

Place: Mysore

Principal

(Prof. HONNAPPA, H. C.)

PRINCIPAL

JSS College of Arts, Cummerce & Science Goty Road MYSURU-25

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### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph. 0831-1548334 & 2548380, FAX: 0821-2548238 E-mail: jttoutonomous s grand, com Website: JSSCACS, edu in

### 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 Botuny 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.

Chargerson PG Cept of Botany (DE BILIGIRIRANGX 94.5E

Date: 33 0912021

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### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph. BAST-1848156 & 2548580, FAX; 0211-2548138 S. mod. (proving month) 27011.000 Website: JUNE At North in

### CERTIFICATE

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Principal

(Dr. HONNAPPA, B. C.)

PRINCHAL

JSS College of Arts, Cumperos & Science

Oofly Roan MYSURU-25

Date: 93 09 2021



### JSS MAHAVIDYAPEETHA

### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

(An Autonomous College of University of Mysore)
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Ph: 0821-2548236 & 2548386. FAX: 0821-2548238 E-mail: januatunomausic.gmnil.com Website: JSSCAC Ledu.in

### CERTIFICATE

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

P.G. C. pt. of Bosons JSS College, Only Book MYSORS

Date: 26/8/21



### JSS MARIAVIDYAPEETRA

### ISS COLLEGE OF ARTS, COMMERCE & SCIENCE

(An Autonomous College of University of Mysore) B.N. ROAD, MYSURU-570 025 KARNATAKA

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Ph. 0921-2549234 & IS48399. FAX: 0921-2549239 E-mail: journessment growth com Weintle: JSSCACS edu.in

### CERTIFICATE

This is to certify that the project report entitled "Detecting Insecticidal and Anthelmintic efficiency of some plant extracts" is a bonnfide 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 Colege of Arts, Commence & Scient Ooly Rome W/27 PRO-PS

Dute:

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

Picad of the Department D.

JSS College, Only Road, MYSORE

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 8001

Place: - Mysore

Principal

PONTONNAPPA, H. C.)

### JSS MAHAVIDVAPKETHA

## ISS COLLEGE OF ARTS, COMMERCE & SCIENCE

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### CERTIFICATE

This is to certify that the project report entitled "Comparison of Traditional Culture with Soilless Culture using Hydroponies"is a bonafide work carried out by Ms. 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 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.

> Margarta Head of the Department

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

Champerson P.G. Dept. of Botany

Date: 25/8/21

### JSS MAHAVIDYAPEETHA

## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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### CERTIFICATE

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Principal

(Dr. HONNAPPA, H. C.)

PRINCIPAL

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### CERTIFICATE

This is to certify that the project report entitled "ESTIMATION OF PHYSICOCHEMICAL 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

(INTERNALIGIBALICAL PROPERTY OF A PARTY OF A M.Sc., Ph.D.,

Champerson PG Dept of Botany JSS College, Only Road, MYSORE

Date: 11-9-2021

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### SS COLLEGE OF ARTS, COMMERCE & SCIENCE

(An Autonomous College of University of Mysore). B.N. ROAD, MYSURU-570 025 KARNATAKA Re-accredited by NAAC with 'A' grade

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Principal

(Dr. H.C. HONNAPPA)

PRINCIPAL

JSS Cellege of Arts, Cultimerce & Science Cob Road MYSURU-25

Date: 11-9-2021

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### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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#### CERTIFICATE

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.)

Champerson
P.G. Dept. of Botany
JSS College, Only Road, MYSORE

Dates

PREMIARINE APPRICATE A



### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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#### CERTIFICATE

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Principal Commerce & S (Dr. HOENHONNAPPA)

Date:

SECURITION SERVICES.



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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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 A

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

Date: 23.09 2021

NA MUNICIPAL CONTRACTOR



## ISS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph. 8821-2548256 & 2548380, PAX: 8821-2548238 F. endt. journteenmontographyon. Website: JSSCAC Scolute.

## CERTIFICATE

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rincipal

(Dr. HONNAPPA, H. C.)
PRINCIPAL
SS College of Arts, Contractor & Science
(Dr. HONNAPPA, H. C.) Only Road MYSURU-25

Date: 23 . 09 2021

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 bonfires 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

Chairperson
P.G. E-spt. of Botany
JSS College, Only Road MYSORE

Place: Mysuru

Date: 22 - 09 - 2021

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

JSS College of Arts, Custmerce & Science Outy Road, MYSURU-25

Place: Mysuru

This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS OF SOIL SAMPLES SUGARCANE FEELDS 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.

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, Only Road, MYSORE

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.

Place: Mysuru

Date: 29/9/2001

PRINCIPAL Son

Coly Road MYSURU-2

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, JSSCACSfor 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: 38 09 2021

Head of the Department

(Dr. BILIGIRIRANGA, V)

Prof. V. BILIGIRIRANGA

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

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Place: Mysuru

Date: 22 09 202 )

Principal PRINCIPAL

JSS College of Arts, Cultimerce & Science Only Roam MYSURU-25

This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL, PARAMETERS OF SOIL SAMPLES OF SORGHUM FILEDS 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. Biligirirangafor 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. 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

5 63 5

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

M.Sc., Ph.D.,

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

Place: Mysuru

Date: 92/09/2021

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Place: Mysuru

Date: 22 09 2021

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#### JSS MAHAVIDYAPEETIIA

## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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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

Prof. V. BILIGIRIRANGA

Champerson
P.G. Dept. of Botany
JSS College, Only Road, MYSORE
(Dr. BILIGIRIRANGA V.)

Date: 25/8/21

#### JSS MAHAVIDVAPEETHA



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Principal

(Dr. HONNAPPA H. C.)

JSS Colors of Arts, Currentson & Sc Only Road, MYSURU-25

Date:

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Ph. mar. 18,181.M. A 2548.980 FAX: 0821-25482.00 E-mail: junithmental and mail com Website. 255C ACRedu in

## 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 (Capsicum annum I.)" 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 GA

(Dr. BILIGIRIRANGA, V.)

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

Date: 20.09.2021.

PAR SERVICE UNITARIES



### 88 COLLEGE OF ARTS, COMMERCE & SCIENCE

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Th. 0821-2548236 & 2548386. FAX: 0821-2548238 E-mail: journmental agency mail to p. Excellence

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Date: 40.09 2021.

HE SERVICE OF SPRINGER



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph. 0021-2503204 A 2548306 FAX: 0021-2503208 E-mail: justification of great com Website: 255CACS and in

### CERTIFICATE

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

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Date:

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Pa. 8021-2548234 & 2548389. FAX: 8821-2548238 F-mail: prantoppropriate great com Website: ESSCACS edu in

## 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.

Principal

JSS College of Arts, Guirrence & Science

(Dr. H.C. HONNAPPA)

Date:

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

Champerson-

(Dr. BHAGHIRANGA V.)

JSS College, Goty Road, MYSORE

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Date: 20/9/2021

Place: Mysore

Principal

(Dr. HONNAPPA. H. C.)

JSS College of Arts, Countrierte & Science Opty Ros : MYSURU-25

This is to certify that the project report "ANALYSIS OF PROTIEN COMPOSITION INORGANIC AND NON ORGANIC SORHGUM 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

Piace: Mysore

Head of the Department

Prof. V. BILIGIRIRANGA

M.Sc., Ph.D.,

P.G. Capt of Botany
JSS College, Only Road, MYSORE

(Dr. BILIGIRIRANGA V.)

COMPOSITION IN ORGANIC AND NON ORGANIC SORHGUM 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: 20 09 2021

Piace: Mysore

Principal

(Dr. HONNAPPA. H. C.)

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

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.

Prof. V. BILIGIRIRANGA

Champerson P.G. Dept of Botany JSS College, Dely Road, MYSORE

Place: Mysuru

Date: 22/09/2021

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.

Place: Mysnru

22/09/2021

Principal

PRINCIPAL

JSS College of Arts, Cultimerce & Science Ooty Ros - MYSURU-25

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. BULLGIRLRANGANGA

M.Sc., Ph.D.,

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

Place: Mysuru

Date: 32500 3031

This is to certify that the project report entitled "Diversity of Phytoplanktons 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.

Place: Mysuru

Date: 22 500 2021

Principal

Onty Road, MYSURU-25

This is to certify that the project report entitled is a Bonafede work carried out by "A study on the Grass and Sedge Bora associated with puddy field of Eduvaka panjayath in Wayanad". Ms. Jyothi Krishna, S. under the guidance of Dr. Sindhu, G. M. Ausistant 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: - 24-9-2021

Place: - Mysore

Head of the Department

(DP. WILLIGIRIRANGA .X.)Ph.D.,

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

This is to certify that the project report entitled "A study on the Grass and Sedge flora associated with paddy field of Edavaka panjayath in Wayanad" is a Bonafede work entried out by 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 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: - 24-9-2021

Place: - Mysore

H W Principal

(Prof. HONNAPPA, H. C.)

PRINCIPAL

USS Coffo of Arts, Cummerce & Science

Opty Road MYSURU-25

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.

Place: Mysuru

Date: 22 9 2021

Head of the Department

(Dr. BILIGIRIRANGA, V)

Prof. V. BILIGIRIRANGA

M.Sc., Ph.D.,

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

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Date: Mysuru Place: 22/09/2021

(Prof. HONNAPPA, H.C.) Ooly Road, MYSURU-25

#### JSS MAHAVIDYAPEETHA



## ISS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph. 0021-2548236 & 2548360, FAX: 0021-2548239 E-mail: journisponsessannifacem Website: 286CACS-edu.in

## 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. 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

ASSGA, V.)

JSS College, Octy Road, MYSORE

Date: 25/8/21



#### JSS MAHAVIDVAPEETHA

## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph. 1821-2548236 & 2548380, FAX: 1821-2548238 E-mail: January 1930 Republic PSSCACS edu. in

## CERTIFICATE

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Principal

(Dr. HONWARPALH, C.)
JSS College of Arts, Continuence & Science

Ooty Road, MYSURU-25

Date:

This is to certify that the project report entitled is a Bonafede work carried out by "Study of florestic 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: - 29.09.2021

Place: - Mysore

Head of the Department

(Dr. BILIGIRIRANGA, V.)

This is to certify that the project report entitled "Study of florestic diversity of BR Hills" is a Bonafede 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 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 the academic requirements in respect of project report prescribed for Master of Science in Botany.

Date: - 29.09.2021

Place: - Mysore

Principal:

JSS College of Arts, Cultimerce & Science Doby Road, MYSURU-35

(Prof. HONNAPPA, H. C.)

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.

Place: Mysuru

Date: 22 9 21

Head of the Department

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

M.Sc., Ph.D.,

Chairperson
P.G. Clept of Botany
JSS College, Only Road, MYSORE

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 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 2020-2021. 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.

Place: Mysuru

Date: 22 9 21

PRINCIPAL JSS Cottone of Arts, Culmerce & Science Ooty Rop-1 MYSURU-25

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.

Place: Mysuru

Date: 22-09-21

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

This is to certify that the project report entitled " The study of Biodiversity and Documentation of Flora in BR 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.

Principal

Place: Mysuru

Date: 22-09-24

(Dr. H. С. Нопларра)

JSS College of Arts, Cummerce & Science Ooby ROPIA MYSURU-25

This is to certify that the project report entitled "Diversity of Phytoplankons 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

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

Place: Mysuru

Date: 22 Sep 2031

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Place: Mysuru

Date: 22 5 6P 3021

Principal

This is to certify that the project report entitled "Documentation Of Medicinal Plants In Rajeev Ayurvedic Medical College Hassau", 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 year2021. 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

Town

(Dr. BILIGIRIRANGA, V)

Place: Mysuru

Date: 22/09/2021.

Prof. V. BILIGIRIRANGA

M.Sc., Ph.D.,

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

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Piace: Mysuru

Date: 22/09/2021.

PRINSIPAL

JSS College of Arts, Custimerce & Spence Code Roset MYSURU-25 298 SEASILANDOS APPEREIDA



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

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Ph: 0021-2540236 & 2540300, FAX: 0021-2540230 K-mail: junnitaryman #27040 com Website: 205CACS esta in

# 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.)

# 8 College of Arts, Commerce & Scre-Manjanguri-Octy Road, MYSCHE-4

Date: 9/03/2002

PERSONAL PROPERTY.



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

(An Autonomous College of University of Mysore) B.N. ROAD, MYSURU-576 025 KARNATAKA

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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 Ruchayya Nandikol underthe 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.

Prof.

P.G. Dept of Botany JSS College, Only Road, MYSCRE

Date: 09 08 38.

ARCHITECTOR APPORTUNE



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

(An Automomous College of University of Mysoret B.N. ROAD, MVSURU-570 025 KARNATAKA

Re-accredited by NAAC with 'A' grade

Recognized by UGC as "College with Potential for Excellence"

Phi 2021-15-10234 & 15-10300, PAX: 0021-25-0230 C-mall: [construction of a great from Website: 2500 ACA-station

# CERTIFICATE

This is to certify that the project report entitled "Evaluation of Physico-Chemical and Antibacterial Activities Of Flower Extracts From Plumeria obtasa And Plumeri rubra" is a bonafide work carried out by Ms. Akshatha Rachayya Nandikol under the guidance of Dr. SINDHU, G. M. for the partial fulfillment 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

-8.5. Callege of Arts, Commerce & Screen

Maniengud-Onty Boed, MYSORE-4

Date: 09/08/22

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 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 NGA

(Dr. BILIGHELNGA, NO.

JSS College Coly Reset MYSORE

Place: Mysuru

Date: 22 8 3 22

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

S. B. S. COLLEGE

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 bounfide 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 ISS 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

ORIN HITETRIKANGA

Charperson
P.G. Cept of Botany
JSS College, Only Road, MYSORE

Place: Mysuru

Date: 8 8 2023

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. lenf " is a bonafide work carried out by Ms. Annishree 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

Ooty Road, Mysore-5

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: 09 09 2021

Principal Principal

J. S. S. COLLEG

Ooty Road, Mysore-57002

THE SEASON WITH THE PARTY OF



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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

Re-secredited by NAAC with 'A' grade

Recognized by UGC as "College with Potential for Excellence"

# 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. BilliGiRiRANGA
(Dr. Billigirirangas V.)

Champerson
P.G. Copt. of Solany
JSS College, Only Read, MYSORE

Date: 9 8 22

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# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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# CERTIFICATE

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Principal PhinoPal M. P. Son Ban Japand Corp Bood, MYSONE

Date: 9 8 22

"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. Biligiriranga 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 | 202 2

Head of the department

(Dr. V. Biligiriranga)

P.G. Copt of Botany JSS College, Copy Road, MYSORE

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. Biligiriranga 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.

Principal

J. S. S. COLLEGE

Ooty Road, Mysers-570

Place: Mysuru

Date: 8/8/2022

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

Dute: 48/22\_

Head of the Department A. Prof. V. BILIGIRIRAND.

(Dr. BILLICHRIKANGAS V.)

to certify that the project report entitled "STUDY 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

8/8/82 Date:

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Ooty Road, Mysore-570 021

DESCRIPTION AND DESCRIPTION

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Ph. BELL-18482 to 4, 2848380, FAN: 6821-2848238 F-mail: Intentional organization Website ISSCACR-dulin

# 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

(BE bill gillinga, V) PLD

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

Date: 9 /08/2022

DESCRIPTION ASSESSMENT

SS COLLEGE OF ARTS, COMMERCE & SCIENCE

(An Astiniumnia College of University of Mytore) OOTY ROAD, MYSURU-570 025 KARNATAKA

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# CERTIFICATE

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(Prof. Vijayendra Kumar, M. P.)

# 5 College of Arts, Commerce a Se Man langud-Dory Boad, MY SUKE-4

Date: 09 |08 2023

This is to certify that the project report entitled "GREEN SYNTHESIS OF MOLVBDENUM 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 falfilment 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 - 2012

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Chairperson
P.G. Dept of Botany
JSS College, Coly Read, MYSORE

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Place: Mysuru

Date: 08 - 08 - 2022

Principal Principal

J. S. S COLLEGE

Ooty Road, Mysore-570 028

This is to certify that the project report entitled "Preliminary phytochemical screening and anti-hacterial activity of *Diospyros chloroxylon* 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

OF BILIGIRIRANGA

(DF. BILIGIRIRANGA, V.)

Champerson
P.G. Dept. of Sotany
JSS College, Ooly Rued, MYSOR

Place: Mysuru

Date: 08 08 2028

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-570 028



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph. 0821-2548234 & 2548388, FAX: 0821-2548238 E-mill [pasternesses conflicted Website: 2555; ACRada in

## 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

Prof. V. BELLERRITHERICA

Champerson PG Cept of Botany JSS College, Gely Rose, MYSORE

(Dr. BILIGIRIRANGA, V.)

PRIMADANIBY APPENDIA



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph. 8821-2548236 & 2548380. FAX: 5821-2548238 E-mail: [nontingament greathern Website: JSSCACS adv. in

## CERTIFICATE

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 | 2020

Place:Mysuru

Principal PRINCIPAL

Benjagud-Oory Bood, MYSORF-A

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 Departments A Prof. V. BILIGIRIRANGA

(Dr. BILIGIRIRANGA, V.)

JSS College, Doly Read, MYSORE

Place: Mysuru

Date: 8 - 8 - 2022

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. Bilighriranga 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

J. S. S. COLLEGE Ootv Road, Mysore-570 024 JANSON ASSESSMENT OF THE PARTY OF THE PARTY



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph: 0821-2548236 & 2548380, FAX: 0821-2548238 E-mail: januateremous-a gmail.com Website: JSSCACR-adu.in

# CERTIFICATE

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

(Dr. BilliGIRIRANGA

(Dr. BilliGIRIRANGA: V:)

P.G. Dept of Botany JSS College, Goly Read MYSQRE

Date: 09 - 08 -22

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# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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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 2021-22It 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.

&B.B. College of Arts, Commerce & Sci Benjagud-Ooty Bood, MYSORE-s

Date: 09-08-22

### JSS MAHAVIDYAPEETHA

## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph; 6821-2548236 & 2548300, FAX: 0821-2548238 E-mall: jasautmoment/cgmail.com Website: JSSCACS.edu.in

## 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

Chairperson
P.G. Unpt. of Solany
JSS College, Unit Read, No. 1987

Date: 07 08 22



# JSS MAHAVIDYAPEETIIA JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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(Prof. Vijayandra Kumar, M. P.)

Principal

4.8.8. College of Arts, Commeter & School

Mandanguri-Gary Rout - MY Salme - #

Date: 09 (08/22. Place: Mysore

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

(Dr. BILIGIRIRANGA, V.)

Chairperson

P.G. Dept. of Botany

JSS College, Only Read, MYSORE

Place: Mysuru

Date: 08/08/2022

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Principal Principal

J. S. S COLLEGE

Onto Road, Mosore-570 C

Place: Mysuru

Date: 08/08/2022

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# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Fig. 8821-25-8236-A 25-8388. FAX: 0821-25-8238 E-mail: [assumment of graduate Website: JSSCACS-ets. in

# 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 fulfillment 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 A

P.G. Capt of Botany
JSS College, Only Road, MYSORE

Date: 9 2 2-22

PRESENTANTON APPRICAGE



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph.: 0821-2548136 & 2548380. FAX: 0821-2548238 E-mail: jountamentous a grant com Website: JSSCACA edu.in

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PENNIPAL

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Wantenmed Clare Rand MYSTINE

Date: 9/8/2022



# JSS MAHAVIDYAPEETHA JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph: 0821-2548236 & 2548380. FAX: 0821-2548238 E-mail: issautonomous@email.com Website: JSSCACS.edu.in

### CERTIFICATE

This is to certify that the project report entitled "Study of Phytoplankton Diversity and Physico Chemical Analysis of Mobballi 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 fulfillment 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, SV.) h.D., Chairperson

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

Date: 9/8/22

# JSS MAHAVIDYAPEETHA



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Principal

(Prof. Vijayendra Kumar, M. P.)

#.5.5 College of Arts, Commerce & Some Manianguid-Ooty Boad, MYSORE-4

Date: 9/8/22

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.

Hend of the Department

(DEBILIGENTIANICA MISC. Ph.D.

Chairperson
P.G. Lapt of Botany
JSS College, Ooty Read, MY50RE

Place: Mysuru

Date: 8-08-2022

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. Billigiriranga 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 -08-2028

Principal
Principal
S. S. S. COLLEGE
Oots Road, Mysore-570 022

This is to certify that the project report entitled 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 Derhrtment

Prof. V. BILIGIRIRANGA

Chairperson

Place: Mysuru

Date: 9|8|2D22

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 borna fide work carried out by NACHIKET 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: 91812022

4.8.8. College of Arts, Commerce & Scient Blan Jangud-Ooty Boad, MYSORE-4

This is to certify that the project report entitled ""Analysis of physicochemical 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
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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 Depression GA

(Dr. BILIGARIBANGA, V.)
P.G. Dept of Botany
JSS College, Octy Road, MYSORE

Place: Mysuru

Date: 08 108 (2022

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Place: Mysuru

Date: 08 | 08 | 2022

Principal pal

5-8-S- COLLEGE

Ooty Road, Mysore-570 028

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### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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FR: 19821-25-08236 A 2548380 FAX: 0821-25-48238 Consid justationomental grant from Website: 205CACS ethale

### 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 fulfillment 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.)

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Champerson
P.G. Copt. of Botany
JSS College, Doty Road, MYSORE

Date: 09 |08 | 902 9

PARAMETERS ASSESSED.



### JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph; 8821-2548236 & 2548380, FAX: 8821-2548238 E-mail: imaninimment@pmail.com Website: 255CAC5.edu.in

### 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.

Principal

(Prof. Vijayendra Kumar, M. P.)

#-8.8. College of Arts, Commerce & Science Menjengod-Outy Road, MYSORE-4

Date: 09 08 308.9



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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# CERTIFICATE

This is to certify that the project report entitled "Effect of fungicide (Zineh-Indofil, Z-78) and bio fungicide (Azadirachta Indica) on the seed borne mycoflora and growth of chilli (Capsicum annum 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

P.G. Diept of Botany JSS Callena, Over Road, MYSORE

Date: 9/08/22

# GE OF ARTS, COMMERCE & SCIENCE

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# CERTIFICATE

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Principal

(Prof. Vijayendra Kumar, M. P.)

A.S. College of Arts, Commerce & Sch Wantangud-Doty Road, MYSORF-4

Date: 9 0 1 22

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.

Head of the Department

(Dr. BILIGIRIRANGA XAG

M.Sc., Ph.

Chairperson
P.G. Cidot of Sotany
JSS College Coty Road, MYSC E

Place: Mysuru

Date: 09/08/2022

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Place: Mysuru

Date:

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# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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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.)

M.Sc., Ph.D.,

P.G. Capt of Botany
JSS College, Goly Road, MYSCF1

Date: 09/08/2022

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Principal

(Prof. Vijayendra Kumar, M. P.)

V.S.S. College of Arts, Commerce & Scientific Manual Control Road, MYSORF-4

Date:

This is to certify that the project report entitled "Diversity of Phytoplanktons 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 Arta, 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
Roof V BILIGIRIRANGA
RDr. BILIGIRIRANGA, V.

P.G. Chamberson
P.G. Chet. of Betany
JCS College Colly Road, MYSORE

Place: Mysuru

Date: 08/08/2022

This is to certify that the project report entitled "Diversity of Phytoplanktons and Physico-chemical Parameters of Varuna Lake in Mysuru District, Karnataka, India" is a bounfide 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 2031-2022. 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

Ooty Road, Mysors-570 028

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 boundide 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, \*\*\*)

P.G. Capt of Botany JSS Cottego Uoty Road MYSORE

Place: Mysuru

Date: 8 8 2012

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 2000

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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 benafide 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 (Dr. BILIGIRIRANGALVALO

Champerson P.G. Dept of Bolany JSS College, Dely Road, MYSORE

Date: 9 8 32

Place: Mysuru

PRIMATEAUTO APPOINT



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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(Prof. Vijayendra Kumar, M/P.)

#-5.5. College of Arts, Commerce & Science Manuaged-Outy Road, MYSORE-4

Date: 9 8 80

Place: Mysuru

PRESENTATION APPOINTED.

## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE



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### 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

Or. BREICHKIRLAGE BANGA

P.G. Dept. of Motony JSS Callege, Coty Road, MVSORE

Date:09/08/22

Piace: Mysuru

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Principal

(Prof. Vijayendra Kumar, M. P.)

Date:08/02/22

Place: Mysuru

FRINCIPAL

#8 5. College of Arts, Commerce & School Manianguri-Octy Road. MY Street.

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

CONCRETE SHARMENT OF THE CONCRETE OF THE CONCR

Chairperson
P.G. E-opt of Botany
JSS College, Outy Road, MYSORE

Place: Mysuru

Date: 8 8 2022

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

J. S. S COLLEGE

Ooty Road, Mysore-57002

This is to certify that the project report entitled "Diversity of Phytoplanktons and Physico-chemical parameters of Mandakalli lake of Mysuru district, Karantaka" 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.

Place: Mysuru

Date: 8 8 2022

Head of the Department

Prof. V. BILLIGIRIBANGA

Chairperson
P.G. Dupt of Botany
JSS College Only Road, MYSORE

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
Francipal
Francipal
Ooty Road, Mysore-570 020

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 a falle Bill Bill Bill Banga

(Dr. V. BHAGRERANGA)
P.G. Dept. of Control
JSS College, Doty Read, MYSORE

This is to certify that the project report entitled "ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS, SOIL SAMPLES ISOLATION AND AND IDENTIFICATION SAMPLES IN SUGARCANE FIELDS" is a bonafide work carried out by Ms. Sucha, 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. SjaSenGOBJuRGEM. P.)
Ooty Road, Mysore-570 028

Date: 02-02-2002

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. Snehn, 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

FISP BYLLIGIRIRANGA V.)

P.G. Copt of Botony JSS College, Doly Read, MYSORE

Place: Mysuru

Date: 8/8/2022

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Place: Mysuru

Date: 8 8 2022

J. S. S. COLLEGE Octy Road, Mysore-570 005

This is to certify that the project report entitled 'Facile Green Synthesis of Nanoceria Using Leaf Extract of Jacranda 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. BILIGIRIRANGAS, V.)

P.G. Dept of Botany JSS College, Octy Road, MYSGR

Place: Mysuru

Date: 09 08 2022

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Place: Mysuru

Date: 09 08 2022

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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.)

M.Sc., Ph

Chairperson
P.G. Diept, of Botany
JSS College, Doty Road, MYSO

Date: 09/08/22

MATERIAL ASSESSMENTS.



# ISS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Principal

(Prof. Vijayendra Kurnar, M. P.)

#.B.S. Callege of Arts, Commerce & Stem.

Date: 09/08/22



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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.)

Charperson PG Dept of Botany JSS College, Opty Rusid, MYSORI

Date: 09/08/22

Place: Mysore

PROBLEM OF THE APPRICATION



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Date: 9/08/2022

Place: Mysore

This is to certify that the project report entitled "DOCUMENTATION OF FOLK KNOWLEDGE OF MEDICINAL PLANTS IN CHALLAKERE TALUK, CHITHRADURGA 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

(Dr.BILLIGIRIRENCEA V.)

JS5 College Duty Road, MYSORE

Place: Mysuru

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Place: Mysuru

Date: 913 2082

CHINCIPAL |

Manjangud-Ooty Bood, MYSORE-4

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

P.G. Dept of Botany
JSS College, Octy Road, MYSCRE

Place: Mysuru

Date: 22-09-2023,

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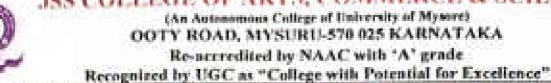
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Principal

Place: Mysuru

Date: 25/09/2023

## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE



Ph. 0821-2548236 & 2548380. FAX: 0821-2548238 E-mail: jungquonomous@gmail.com Website: JSSCACS edu.in

#### 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

Place: Mysuru

Date: 22-09-2023.

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA

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Principal

Place: Mysuru

Date: 25/9/23

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

(Dr. BILLIGIRIRANGARYAGA

M.Sc. FR.D.

Chairperson
P.G. Dapt of Botany
JSS College, Only Road, MYSORE

Place: Mysuru

Date: 25/9/23

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Principal

Place: Mysuru



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### CERTIFICATE

This is to certify that the project report entitled "Phytochemical analysis, Green synthesis of BiVO4 Nanoparticles using Phalaenopsis mysorensis C. J. Saldanha and its biological activities" is a bonafide work carried out by Mr. CHANDPEER, D. NADAF 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

Charperson
P.G. Crat of Botany
JEE Chirt & Don Raud MYSORE

Place: Mysore

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#### CERTIFICATE

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PRINCIPAL

(Dr. PRATHIBHA, S)

Place: Mysuru

This is to certify that the project report entitled "Documentation of medicinal plants in selected area of Chikkadevamma Hills, H.D Kote, Mysore distric" is a bonafide work carried out by Mr. Hemanth, 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 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: 27-09-2023

Head of the Department

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA

M.Sc., Ph.D.

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

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Dels

Place: Mysuru

Date: 27-09-20 23



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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

(Dr. V. BELIGIRIRANGA)

PIOL V. BILIGIRIRANGA

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

Date: 22.09.2023.

Place: Mysore



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Principal

(Dr. PRATHIBA, S.)

Date:

Place: Mysore

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 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)

PIOL V. BILIGIRIRANGA

M.St., Ph.D.,

Charperson
P.G. Elept of Botany
JSS College, Outy Road, MYSORE

Place: Mysuru

Date: 37/09/23

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Place: Mysuru

Date: 27/00/12

Principal



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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### CERTIFICATE

This is to certify that the project report entitled "Evaluation of Air pollution Tolerance index of selected plant species in Mysuru city" is a bonafide work carried out by Mr. Mahantesh Mukkundimath, 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.

Date: 22.29.2023

Place: Mysuru

Head of the Department

(Dr. BELIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA

M.Sc., Ph.D.,

P.G. Dept of Sotany

JSS Cutlege, Only Road, MYSORE



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Brincipal

(Dr. S Prathibha)

Dute: 25 09 23

Place: Mysuru





## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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OOTY ROAD, MYSURU-570 025 KARNATAKA

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PR. 0821-2548236 & 2548368, FAX: 0823-2548236 E-mail: [https://openstropes.com/delet/255CACN.edu.in

#### CERTIFICATE

This is to certify that the project report entitled "Green synthesis of BiVOs nanoparticles using Plumbago zeplanica root extract and their antimicrobial and photodyedegradation 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 bas been approved as it satisfies the academic requirements in respect of project report prescribed for Master of Science in Botany.

Head of the Department

Place: Mysuru

Date: 25 | 09 | 2023

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

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

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# SS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Principal

Place: Mysuru

Date: 05 09 0003



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# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph: 0821-2548236 & 2548380, FAX: 1821-2548238 E-mail: junationumere # greatLaten Website: 255CACS.edu.in

#### 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.

Head of the Department

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA N.Sc., Fh.D.

Charperson
P.G. Dept. of Botany
JSS College, Octy Road, MYSORE

Place: Mysuru

Date: 22.09.2023

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Place: Mysuru

Date: 20 09 2003

Principal



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Ph: 9811-1548136 & 2548380, VAX: 0821-2548338 E-mail: <u>huntosomeno@gmail.com</u> Website: JSSCACR-edu.la

### 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.

Place: Mysuru

Date: 25/09/2003

Head of the Department

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

W.Sc., Fr.D.

Chairperson
P.G. Dept. of Botany
JCS College, Octy Road MYSCRE



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Principal

Place: Mysuru

Date: 25/09/2023

This is to certify that the project report entitled "Documentation of medicinal plants in selected area of Chikkadevamma hills, H.D Kote, Mysore district" is a bonafide work carried out by Ms. MEGHANA, P. YADAV 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 Bottny.

Head of the Department

(Dr. BILIGIRIRANGA, V.)

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

Chargerson P.G. Dept of Rotany JSS College, Only Road, MYSORE

Place: Mysuru

Date: 25 - 09 - 2033

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Principal

Place: Mysuru

Date: 25-09-23



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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 Betany.

Head of the Department

(Dr. BILIGIRIRANGA, V.)

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

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

Place: Mysuru

Date: 99/09/93



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#### CERTIFICATE

This is to certify that the project report entitled "ANALYSIS OF PHYSICOCHEMICAL 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.

Place: Mysuru

Date: 29/09/23

Principal



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Ph: 6821-2548236 & 2548396. FAX: 6821-2548238 E-mail: justification of gradition Website: JSSCACS.eds.in

## 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.

Date: 25/09/23

Place: Mysore

Head of the Department

Prof V. BILIGIRIRANGAGA

Chargerson

P.G. Capt of Motany

JSS College, Only Hand, MYSORE



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Th: 8821-2548236 & 2548386. FAX: 0821-2548238 E-mail: junearmounts a great com Website: 255CACS edu.in

## 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

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

BroBILLEIRIRA

P.G. Cept of Botany JSS College, Only Roso, MYSORE

Place: Mysore

Date: 25-09-2003

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.

PRINCIPAL

(Dr. PRATHIBHA, S)

Place: Mysore

Date: 25-03-2023

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 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.

Place: Mysuru

Date: 25 - 09 - 2023

Head of the Department

(Dr. V. BILIGIRIRANGA.)
Prof. V. BILIGIRIRANGA

W.Se FRA

Champerson
P.G. Dept. of Bothery
JSS College, Upty Road Mr50FE

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.Navyahree 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.

Principal

Place: Mysuru

Date: ೩5 - 9 - ೩೦೩3



Place: Mysuru

Date: 22-09 . 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

MAMA

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA

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## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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## CERTIFICATE

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Principal

Place: Mysuru

Date: 25 109/2023

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 Pterocurpus 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

M.St., Fh.D.,

Chargerson P.G. Cept of Botany JSS College, Only Hoad, MYSORE

Place: Mysuru

Date: 25-09-2023

This is to certify that the project report entitled "Preliminary phytochemical analysis, antibacterial activity and separation of pigments by thin layer chromatography (TLC) and synthesis of nanoparticles (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.

Principle

Place: Mysuru

Dute: 25-09-2093

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.

Place: Mysuru

Date: 12 -09-2023

flend of the Department

(Dr. BILIGIRIRANGA, V.)

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

Charperson P.G. Dept of Botany JSS College, Octy Road, MYSORE

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Principal

Place: Mysuru

Date: 25-09-2013

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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 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 W. St. TH.O.

Charperson P.G. Dapt of Botany JSS College, Daily Roud, MYSORE

Place: Mysuru

Date: 25 4193

JANASHARINAPERTOA



## ISS COLLEGE OF ARTS, COMMERCE & SCIENCE

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This is to certify that the project report entitled "Analysis of 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 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.

Place: Mysuru

Date: 25 | 9 | 93

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#### JSS MAHAVIDYAPEETHA

## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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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 Nodaelhalia 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.

Place: Mysore

Date:

Houd of the Department

(Dr. V. BELIGIRIRANGA) GA Prof. V. BILIGIRINANGA

> P.G. Dept of Botany JCS College, Utry Road, MYSORE



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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#### CERTIFICATE

Parameters And Identification of Phytoplanktons in Water Samples of Nodnelhalla 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.

PRINCIPAL

(Dr. PRATHIBHA, S)

Place: Mysore

Date:



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Ph. 0011-2540136 & 2548380, FAX: 0021-3548238 E-mail: joundtommuni d'email:com Wefnite: JSSCACS.edu.to

#### 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.

Place: Mysuru

Date: 22.09.2023

Head of the Department

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA

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

#### JSS MAHAVIDVAPERTHA



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## CERTIFICATE

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Principal

Dr. S. Prathibha

Place: Mysuru

Date: 25 |09 | 2023

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.)

Prot. V. BILIGIRIRANGA

Chairperson
P.G. Dept. of Botany
JCS College, Osty Road, MYSORE

Place: Mysuru

Date: 25/04/2023

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 erop 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.

PRINCIPAL

(Dr. PRATHIBHA, S)

Place: Mysuru

Date: 25/09/2023

This is to certify that the project report entitled "Documentation of Medicinal plant in Chikkmandhi 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.

Head of the Department

(Dr. BILIGIRIRANGA VO

W.Sc., Ph.D.

Chairperson
P.G. Dept. of Botany
JSS College Outy Road MYSOFE

Place: Mysuru

Date:

This is to certify that the project report entitled Documentation of Medicinal plant in Chikkmandhi village Mysore district is a bonafide work carried out by Ms. Sindhu, H. M under the guidance of Dr. V. Billigiriranga 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

Dates



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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 lycoperslcum)" 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 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

Place: Mysuru

Date: 22-09-2023.

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA

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





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

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Principal

Place: Mysuru

Date:



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Ph. 6921-25-98236 & 25-98300, FAX: 6921-25-98238 E-stall jurgiconstruct a great core Website: JSSCACS edu in

## 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.

Hend of the Department

(Dr. V. BELIGIRIRANGA)

Prof. V. BILIGIRIRANGA

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

Date: 22.09.2023

Place: Mysore



## JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Principal

(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.

Date: 22/9/23

Place: Mysore

Head of the Department

(Dr. V. BILIGIRIRANGA)

Prof. V. BILIGIRIRANGA

M. Sc., Ph.D.,

Charperson
P.G. Dept. of Botany
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PRINCIPAL

(Dr. PRATHIBHA, S)

Place: Mysore

Dates



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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 M.Sc. Ph.D.

Charperson P.G. Dept of Botany JSS College, Daty Road, MYSDRE

Date: 22-09.2023.

Place: Mysore



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Principal

(Dr. PRATHIBHA, S.)

Date: 35-09-2033

Place: Mysore

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.)

Prof. V. BILIGIRIRANGA

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

Place: Mysuru

Date: 22.09.2623

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.

Serincipal Principal

Place: Mysuru

Date: 25.9.2023.

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: 23 091+3

Head of the Department

Prof. V. BILIGIRIRANGA

P.G. Eupt of Botony JSS College, Only Road, MYSORE

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Principal

Place: Mysuru

Date: 23 09 23

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. Billigiriranga 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
U.Sc., Ph.D.

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P.G. Copt of Botany
JSS College, Outy Road, MYSORE

Place: Mysuru

Date: 22-09-2023

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Principal

Place: Mysuru

Date: 25 09 2023

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 prescribed for Master of Science in Botany.

Place: Mysuru

Date:

Head of the department

(Dr. Biligiriranga, V.)

Prof. V. BILIGIRIRANGA

M.Sc., Fh.D.,

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JSS College, Octy Road, MYSORE

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Head of the Department

(Dr. BILIGIRIRANGA, V.)

Prof. V. BILIGIRIRANGA

P.G. Dept of Rotany uSS College, Only Roud, MYSORE

Place: Mysuru

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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

(Dr.V. BELIGIRIRANGA)GA

M.Sc., Fh.D.

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

Date:

Place: Mysore



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Principal

(Dr. PRATHIBHA, S.)

Date: 25/09/2023

Place: Mysore

#### JSS MAHAVIDVAPEETHA



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#### CERTIFICATE

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Head of the Department

(Dr. V. BELIGIRIRANGA)

Prof. V. BILIGIRIRANGA

Charperson P.G. L. or of Rotorly

JSS College, Only for An An Anna

Date: 92/09/2023

#### JSS MAHAVIDYAPEETHA

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Principal

(Dr. Prathibha, S.)

Date: 39/09/2023

Place: Mysuru

#### JSS MAHAVIDYAPERTHA



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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. Sanitha, 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 Departments

(Dr. V. BELIGIRIRANGA)

Prof. V. BILIGIRIRANGA

P.G. Capt of lictary

JSS College, Octy Road, MYSORE

Date: 25/09/2023

#### JSS MAHAVIDYAPEETHA



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Principal

(Dr. Prathibha, S.)

Date: 25/09/2023



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#### CERTIFICATE

This is to certify that the project report entitled "Flora of JSS Women's college, Mysuru"is a bonnfide work carried out by Ms. Akshatha, M under the guidance of Dr. V. Billgiriranga 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 M.Sc., Ph.D.

Champerson P.G. Dopt of Botany (Dr.V BILIGIRIRANGA)

Date: 29.5 .\ 9



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PRINCIPAL

JSS Callege of Arts, Commerce & Sc (Autonomous)

Only Road, MYSURU-25 (Prof. M. MAHADEVAPPA)

Date:





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Ph. 0021-2548246 & 2548260, FAN: 0021-2548248 F. conff: propriessons on a grand green Workside: 1956 AC Lords in

# 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)

Heriof the Repartmanica

M.Sc., Ph.D.,

Chairperson PG t of Botany JSS Collegy, Duty Road, MYSORE per transcription operation.



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Place: Mysuru Date: 08/05/19

Oaty Road, Mysure-570 025

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# CERTIFICATE

This is to certify that the dissertation entitled "PHYLLOSPHERE 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 1515

(Dr. V. Billigiriranga

Head protected Harris HANGA

Chairperson P.G. Cupt of Botany JSS College, Only Rose, MYSORE



# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Ph. 6839-154824a & 2548380 FAX: 6821-2548238 E-mail: journissament - grand com Website: July Ad Berliede

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### CERTIFICATE

This is to certify that the project report entitled "FLORA OF J.S.S MEDICAL COLL EGE 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.

Head of the Department

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

Chairperson

(Dr.V BILEGIRIRANGRatany JSS College, Octy Read, MYSORE

29.5.19 Dute:



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ASS College of Arts, Commerce &

Date: 30/5/19



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This is to certify that the project report entitled "FLORA OF SJCE CAMPUS,

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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

Charperson
P.G. Cept of Botony

(By & Bill IGIRIRANGA)\*E

Date: 29.5-19

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Ooty Road, Mysore-570 025

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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.

> Head of the Department Prof. V. BILIGIRIRANGA

Charperson P.G. Dept of Botzny DE BILLETRIRY NEW WYSORE

M.Sc., Ph.D.,

Date: 29 -5 -2019

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#### CERTIFICATE

This is to certify that the project report entitled "Air barne microbes in selected cropfields 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.

Head of the Department

Prof. V. BILIGIRIRANGA

Chairperson
P.G. Cept. of Botany
(Dr. BHSKHIBRANGX V.)

Date: 29/5/19

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#### CERTIFICATE

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Head of the Department

Prof. V. BILIGIRIRANGA

M. Sc. Ph.D.

Chairperson

(Dr. Y.B.P. C. FERRAL AND STATE

Date: 29.5-2019





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JSS College of Arts, Commerce & Scien

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(PRIX ROSO MYSURU-25 (PRIX M. MAHADEVAPPA)

Date:

#### THE MANUAL PROPERTIES.



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This is to certify that the project report entitled "An inventory of aquatic macrophytes and physico-chemical properties of Kavadi lake, Fellapur, Uttar kannada district of Karnataka, India" is a bonafide work carried out by Mr. Kartik A Goundar 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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Chairperson
P.G. Dept of Botany
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Date: 29 15 19

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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

Place: Mysuru

Date: 24.5-19

(Dr. V. Biliginin Roghica

P.G. Dept of Bothny JSS College, Only Road, MYSORE PRINCIPLE STORY AFTERNAL



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Place: Mysuru Date: 1/4/19

Principal

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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

Place: Mysuru

Date: 28|65|19

(Dr. V. Biligiriranga)

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Date: 28-05-2019

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Head of the Department

Prof. V. BILIGIRIRANGA (Dr. BILIGIRIRANG & P.S. Champerson P.G. Dept of Bolany JISS College, Opty Road, MYSORE

Date: 29.5-2019

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J.S.S. College Coty Road, Mysore-570 025

(Prof. M. MAHADEVAPPA)

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This is to certify that the project report entitled "diversity of plants in suttur 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.

Head of the Department

Prof. V. BILIGIRIRANGA

W.Sc. Fh.D.

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Date:

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Head of the Department

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

(Dr. BILLIGURARANGA V.) P.G. Dept of Botany JSS College, Octy Road, MYSORE

Date:

FOR SUMMATORS AFTER TIME.

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(Prof. M. MAHADEVAPPA)

Date:



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Ph. 9821-1548134 & 2548380, FAX: 0821-2548138 E-mail: jranstonamescorgonalicom Website: 285CACR-starles

#### CERTIFICATE

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Head of the Department

Prof. V. BILIGIRIRANGA M.5c., Ph.D.,

Chairperson

BILIGHTRANOASVOE

Date: 27.5-19

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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

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

(Dr. BIEKARREANGA V.) JSS College, Only Road, MYSORE

Date: 29.5.19

MENDOCONTRACTOR



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Principal

J.S.S. College Ooty Read, Mysore-570 025

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Date:



(An Autonomous College of University of Mysore)
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Head of the Department

Prof. V. BILIGIRIRANGA

(Dr.V BILIGIRIRANGA) M.Sc., Pa.D.,

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(Prof. M. MAHADEVAPPA

Date:



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Date: 29.5.19



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Head of the Department Prof. V. BILIGIRIRANGA

M.Sc., Ph.D.,

Chairperson
F.G. Capt of Botany
(Dr. BILIGIRIRANGA V.)

Date: 2915/19

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Place: Mysuru

Date: 28.5.19

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

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Head of the Department

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Date: 2915/19

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Place: Mysuru

Date: 28.5.2019

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(Dr. V. Biligiriranga)

Head of the PHEIGHRANGA

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Prof. V. BILIGIRIRANGA

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Head of the Department Head PG Dept. of Botany

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Date: 1/10/20

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Head of the Department

(Dr. BILIGIRIRANGA V.)

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Head of the Department

(Dr. BILIGIRIRANGA V.)

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Place: Mysuru

Date: 141 9179

(Dr. V. Biligiriranga)

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Head of the Department

(Dr. V. BILIGIRIRANGA)

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Place: Mysuru

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#### CERTIFICATE

This is to certify that the project report entitled "Phytochemical analysis and Anti-bacterial activity of Rosmarinus officinalis" is a bonafide work carried out by Ms.Hema, K. H. 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 2019-2020. 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)

Date:

AN HARDWING ASSESSED.

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Principal PAL

JSS College of Arts, Cultimerce & Science
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(Dr. Honnappa H. C)

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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 OIL YIELDING CROPS" is bonafide work carried out by Mr. MEENIGA ASHOK KUMAR REDDY 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.

Heart of the Department,

JSS College, Only Roos MYSORE

(Dr. Biligiriranga, V.)

Place: Mysuru

Date: 1419/20

#### CONTRACTOR OF STREET JSS COLLEGE OF ARTS, COMMERCE & SCIENCE



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(Prof. Honnappa, H. C.)

Place: Mysuru

Date: 63

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Prof. V. BILIGIRIRANGA

MISH Ph.D.

G Dept of Botany

(Dr.Biligiriranga, V.)

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> > (Prof. Honnappa, H. C.)

Place: Mysuru

Date: 0311012020

MARKETTA ATTO APPEARANCE



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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

Place: Mysuru

Date: [4]9120

(Dr. V. Biligiriranga)

Head of the Department Ph.D.

Chairperson P.G. Dopt of Botany JSS College, Ooly Road, MYSORE DESIGNATION OF STREET



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Place: Mysuru

Date:

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#### CERTIFICATE

Aluminum chloride for plant growth and disease protection in Tomato against Early blight" is a bonafide work carried out by Ms. NAVVASHREE, C. N. 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 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.

Prof. V. BILLERANDA

(Dr. BILIGIRIRANGA V.)

P.G. C. of of Botany JSS College, Outy Road, MYSORE

Date: 14191 20

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(Prof. Honappa, H. C.)

Date:

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#### 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. NAVANA. M. J. under the guidance of Dr. V. Billighriranga 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 Depurtment

Prof. V. BILIGIRIRANGA

P.G. Dept. of Botany JSS College, Only Read, MYSORE.

( Dr. V. Biligiriranga )

Place: Mysore

Date: 1419120

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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: 1419 20

Place: Mysore

Head of the Department

(DEBIX REHARDSCAV.)

Charperson
P.G. Dept. of Botany
JSS College, Ooly Ruad, MYSORE

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Date: 03/10/2020

Place: Mysore

Principal

Prof. HONNAPPA, H. C.

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## **CERTIFICATE**

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Place: Mysuru

Date: 14/9/20

Mysore-570 0

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# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Head of the Department

Prof. V. BILIGIRIRANGA

M.Sc., Ph.D.,

Champerson P.G. Dapt of Botany

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Place: Mysore

Date: 14(5/20

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Principal

( Dr. H. C. Honnappa.)

Piace: 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: 1419120

Head of the Department

Charparson P.G. Capt of Bottony JSS College, Owny Road, MYSDRE AMERICAN APPENDING



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Place: Mysuru

Date:

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#### CERTIFICATE

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(Dr. V. Biligiriranga)

Prof. V. BILIGIRIRANGA Head of the Department D., Charperson P.G. Dept. of Botany

P.G. Dept of Bottery JSS College, Only Road, MYSORE

Place: Mysuru

Date 1419120

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Principal

(Dr. H. C. Homappa.)

PRINCTHAL JSS College of Prix, Commerce & Science Ooky Rows, MYSURU-15

Place: Mysuru

Date:



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Place: Mysuru

Date: 1419 179

(Dr. V. Biligiriranga)

Head of the Departmenty JSS College, Ooty Road Mysore-570 025

AND MODERATE PROPERTY.



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Place: Mysuru

Date: 03-10-2020

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#### CERTIFICATE

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Head of the Department

Examiners:

Chairperson
P.G. Chapt of Botany
JSS College, Only Road, MYSORE

Date: [419120

INCHESTACION APPRILIA



## OLLEGE OF ARTS, COMMERCE & SCIENCE

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(Professor Honnappa, H. C.)

Date:

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Date: 14/9/20

Place:Mysru

(Head of the department)

Dr. V.BILLIGHRARANOMA M.Sc., Ph.D.

Chairperson P.G. Lupt of Botany JSS College, Only Road, MYSORE

# CERTIFICATE

This is to certify that the project report entitled "Evaluation of abiotic clicitor (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:

Place: Mysuru

Principal L

(Prof. HONAPPA, H. C.)

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# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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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. BILIGIRIPANGA

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(Dr. BILIGIRIRANGA V.)

Date: 1719/20

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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.

M.Sc., Ph.D.

Chairpersen. P.G. Dept of Botany JSS College, Only Road, MYSORE (Dr. BILIGIRIRANGA V.)

Date: 14/9/20

DESIGNATION APPRIES.



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(Dr. H.C. HONNAPPA)

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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. HIREGOUDAR, 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.)

Date:



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> > (Prof. Honappa, H. C.)

Date:

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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.

> Head of the De JSS College, Ony Road LYSDRE

(Dr. Biligiriranga, V.)

Place: Mysuru

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(Prof. Honnappa, H. C.)

Place: Mysuru

Date: 03-10-2020

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> Head of the Department PG Lept of Betany

JSS College, Daty Road, MYSORE

(Dr. Biligiriranga, V.)

Place: Mysuru

Date: 03\10\20

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# JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

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Place: Mysuru Date: 03[10]20

#### CERTIFICATE

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.

Date: 14/9120

Place: Mysuru

Head of the Department

Prof. V. BILIGIRIRANGA

(Dr. BILLIQUE Dept of Botany JSS College, Octy Road, MYSORE

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Date:

Place: Mysuru

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Prof. HONNAPPA, H. C.)

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#### CERTIFICATE

This is to certify that the project report entitled "Estimation of total phenolic content in Ligustrum valgaris and Dodonaeu viscosu" 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.

Head of the Department

(Dr. BILIGIRIRANGA V.)

Date:



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Principal PRINCIPAL

USS College of Arts, Custimerce & Science Octy Rose: MVSURLL 25

(Dr. Honnappa H. C.)

Date:

#### DESCRIPTION OF PERSONS



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Head of the Department

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Date:



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JSS College of Arts, Cummerce & Science Ooty Roam MYSURU-25

(Dr. Hennappa H. C.)

Date:

## CERTIFICATE

This is to certify that the project report entitled "Phytochemical analysis and antifungal activity of Muntingia calabura leaves and Myristica fragrans flowers against selected plant pathogens" is a Bonafede work carried out by Mr. Yogesh, S. 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 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 A

Messerga

Chairperson
P.G. Dept. of Botany
JSS College, Only Road, MYSORE
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Date: -

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(Prof. HONNAPPA, H. C.)

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Dr. V. Biligiriranga M.Sc., Ph.DPG department of Botany

Head and Co-Ordinator

B.N. Road, Mysuru - 25

and Research Supervisor

Contact no: 9886129969

#### 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.

Head of the Department

PIDI. V. BILIGIRHANGA)

M.Sc., Ph.D.,

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P.G. Dept. of Botany
JSS College, Outy Road, MYSURE

Date: 14/9/20

Place: Mysuru

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Place: Mysuru

(Dr. H. C. Honnappa)

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Place: Mysuru

Date: 14(9)20

(Dr. V. BILIGIRIRANGA)

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Place: Mysuru

Date: 01-10-2010

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Ph. 0021-2540246 & 2540300, FAX: 0023-2540200 E-mail: imminimum onlighted per Website: JSACACS of tale.

#### CERTIFICATE

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Head of the Department

(Dr. BILIGIRIRANGA, V)

Prof. V. BILIGIRIRANGA

P.G. Capt of Botany JSS College, Only Road, MYSORE

Date: 14/9/20

Place: Mysuru

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