

MANGALORE



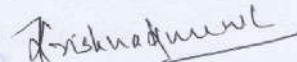
UNIVERSITY

DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Revathi (Reg. No.175094125) has satisfactorily completed a project entitled "Seed health testing for the detection of fungal pathogens associated with different seeds" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri
Date: 03.05.2019


(CHAIRMAN)

Chairman
Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

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CERTIFICATE

This is to certify that Ms. Kavya K (Reg. No. 175094112) has satisfactorily completed a project entitled "Seed health testing for the detection of fungal pathogens associated with different seeds" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri
Date: 03.05.2019

A handwritten signature in black ink, appearing to read "Krishnakant".

(CHAIRMAN)

Chairman

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Mangalore University
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CERTIFICATE

This is to certify that Ms. Divyashree M H (Reg. No. 175094108) has satisfactorily completed a project entitled "In vitro study of phytochemical and pharmacological activities of *Gymnostachyum febrifugum*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019

A handwritten signature in black ink, appearing to read 'Krishna Kumar'.

(CHAIRMAN)

Chairman

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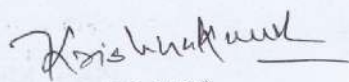
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Lavanya T (Reg. No. 175094114) has satisfactorily completed a project entitled "In vitro study of phytochemical and pharmacological activities of *Gymnostachyum febrifugum*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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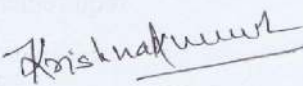
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CERTIFICATE

This is to certify that Ms. Anagha Bharadwaj B (Reg. No. 175094103) has satisfactorily completed a project entitled "Documentation of medicinal uses of plants in Hosanagara and Sagara Taluk, Shimoga District, Karnataka" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri
Date: 03.05.2019


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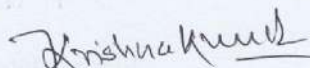
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CERTIFICATE

This is to certify that Ms. Vandana A S (Reg. No. 175094134) has satisfactorily completed a project entitled "Documentation of medicinal uses of plants in Hosanagara and Sagara Taluk, Shimoga District, Karnataka" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

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CERTIFICATE

This is to certify that Ms. Spandana K J (Reg. No. 175094129) has satisfactorily completed a project entitled "In-vitro cytotoxicity, anticancerous and antioxidant activity from *Thunbergia mysorensis* (Wight) T Anderson ex Bedd." during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019

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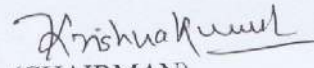
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CERTIFICATE

This is to certify that Ms. U Sangeetha Shenoy (Reg. No. 175094133) has satisfactorily completed a project entitled "In-vitro cytotoxicity, anticancerous and antioxidant activity from *Thunbergia mysorensis* (Wight) T Anderson ex Bedd." during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

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CERTIFICATE

This is to certify that Ms. Roopasree K (Reg. No. 175094126) has satisfactorily completed a project entitled "Evaluation of soil fungus which promotes growth in *Oryza sativa* L. in three different water input systems" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri
Date: 03.05.2019

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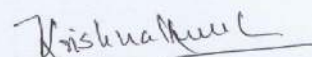
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Radhika C (Reg. No. 175094122) has satisfactorily completed a project entitled "Nutritional analysis of selected cereals and pulses and their influence as an ingredient of culture media on the growth of air borne fungi" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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CERTIFICATE

This is to certify that Ms. Ramya K (Reg. No. 175094123) has satisfactorily completed a project entitled "Nutritional analysis of selected cereals and pulses and their influence as an ingredient of culture media on the growth of air borne fungi" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri
Date: 03.05.2019

A handwritten signature in blue ink, likely belonging to the Chairman of the Department of Applied Botany.

(CHAIRMAN)

Chairman
Department of Applied Botany
Mangalore University
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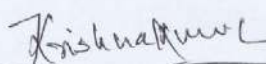
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Anusooya K (Reg. No. 175094104) has satisfactorily completed a project entitled "Isolation and identification of disease causing fungi from *Capsicum annum* L and to study the effect of trichoderma on fungi" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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Chairman

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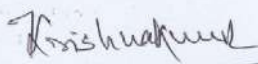
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Suvarna Phatak A (Reg. No. 175094132) has satisfactorily completed a project entitled "Bioactive potential of *Plectranthus amboinicus*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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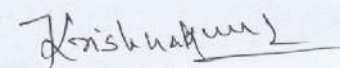
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Chandana A N (Reg. No. 175094107) has satisfactorily completed a project entitled "Phytochemical and pharmacological studies on Eriocaulon eurypeplon – an endemic pipewort of Western Ghats" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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CERTIFICATE

This is to certify that Ms. Ishrath (Reg. No. 175094111) has satisfactorily completed a project entitled "Phytochemical and pharmacological studies on Eriocaulon eurypeplon – an endemic pipewort of Western Ghats" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019

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Chairman

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CERTIFICATE

This is to certify that Mr. AJITH KUMAR S B (Reg. No. 175094102) has satisfactorily completed a project entitled "Floristic study of Riverine Islands (Kudru's) of Mulki, D.K., Karnataka" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019

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Chairman

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Mangalore University
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CERTIFICATE

This is to certify that Ms. Pratheeksha (Reg. No. 175094121) has satisfactorily completed a project entitled "Floristic study of Riverine Islands (Kudru's) of Mulki, D.K., Karnataka" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019

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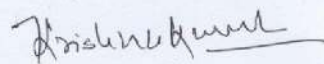
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Prarthana G S (Reg. No. 175094120) has satisfactorily completed a project entitled "Bioactive potential of *Plectranthus amboinicus*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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CERTIFICATE

This is to certify that Ms. Harshapriya M (Reg. No. 175094109) has satisfactorily completed a project entitled "Isolation and identification of disease causing fungi from *Capsicum annum* L and to study the effect of trichoderma on fungi" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019

A handwritten signature in black ink, likely of the Chairman, written over the printed name and title.

(CHAIRMAN)

Chairman
Department of Applied Botany
Mangalore University
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CERTIFICATE

This is to certify that Ms. Shreeranjini (Reg. No. 175094127) has satisfactorily completed a project entitled "Evaluation of soil fungus which promotes growth in *Oryza sativa* L. in three different water input systems" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri
Date: 03.05.2019

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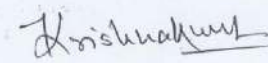
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Ashwini (Reg. No. 175094106) has satisfactorily completed a project entitled "Effect of *Ailanthus triphysa* resin extract on seed associated Mycoflora of *Oryza sativa*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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Mangalore University
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CERTIFICATE

This is to certify that Ms. Pavithra (Reg. No. 175094118) has satisfactorily completed a project entitled "Effect of *Ailanthus triphysa* resin extract on seed associated Mycoflora of *Oryza sativa*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019

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Chairman

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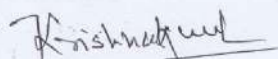
UNIVERSITY

DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Mohini Kumari J B (Reg. No. 175094115) has satisfactorily completed a project entitled "Study on phytochemical, antimicrobial and allelopathy from *Caesalpinia bonduc* (L.) Roxb" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri
Date: 03.05.2019


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Chairman
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Mangalore University
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CERTIFICATE

This is to certify that Mr. ABHISHEK G K RAO (Reg. No. 175094101) has satisfactorily completed a project entitled "Structural analysis of moist deciduous forest in Kadra, Uttara Kannada District of Karnataka" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri
Date: 03.05.2019

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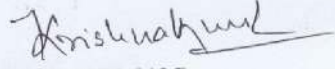
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Khazi Kulsum Hazrat (Reg. No. 175094113) has satisfactorily completed a project entitled "Structural analysis of moist deciduous forest in Kadra, Uttara Kannada District of Karnataka" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

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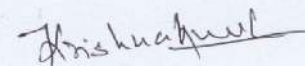
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Nirupama (Reg. No. 175094116) has satisfactorily completed a project entitled "Study on phytochemical, antimicrobial and allelopathy from *Caesalpinia bonduc* (L.) Roxb" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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CERTIFICATE

This is to certify that Ms. Harshitha K K (Reg. No. 175094110) has satisfactorily completed a project entitled "Effect of organic and inorganic fertilizers on soil properties, yield and growth of *Oryza sativa*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019

A handwritten signature in black ink, likely belonging to the Chairman of the Department of Applied Botany.

(CHAIRMAN)

Chairman

Department of Applied Botany

Mangalore University

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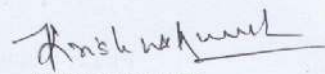
MANGALORE UNIVERSITY

DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Rency Varghese (Reg. No. 175094124) has satisfactorily completed a project entitled "Effect of organic and inorganic fertilizers on soil properties, yield and growth of *Oryza sativa*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

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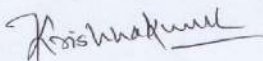
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Ashwini (Reg. No. 175094105) has satisfactorily completed a project entitled "Production of amylase by *colletotrichum gloeosporioides* – an endophytic fungus isolated from *salacia chinensis*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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CERTIFICATE

This is to certify that Ms. Sourabha G (Reg. No. 175094128) has satisfactorily completed a project entitled "Production of amylase by *colletotrichum gloeosporioides* – an endophytic fungus isolated from *salacia chinensis*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

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CERTIFICATE

This is to certify that Ms. Pallavi Shet (Reg. No. 175094117) has satisfactorily completed a project entitled "Production of amylase by *colletotrichum gloeosporioides* – an endophytic fungus isolated from *salacia chinensis*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

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DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Mr. SRINIVASA NAIK (Reg. No. 175094130) has satisfactorily completed a project entitled "Preliminary phytochemistry and antibacterial, antifungal studies of herb Exacum bicolor Roxb. From Konaje, D.K., Karnataka" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

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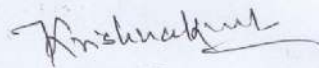
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DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Prapthi B (Reg. No. 175094119) has satisfactorily completed a project entitled "Bioactive potential of *Cassia alata*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri
Date: 03.05.2019


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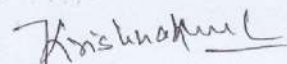
DEPARTMENT OF APPLIED BOTANY

CERTIFICATE

This is to certify that Ms. Sukanya K S (Reg. No. 175094131) has satisfactorily completed a project entitled "Bioactive potential of *Cassia alata*" during the year 2018-19, in partial fulfillment of the requirements for the M.Sc. degree in Botany of Mangalore University.

Place: Mangalagangothri

Date: 03.05.2019


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Department of Botany
P G centre, Chikkaaluvara Kodagu-571232

Prof. Manjula Shantaram. M.Sc., Ph.D

Coordinator

CERTIFICATE

This is to certify that, the project work entitled **"EFFECT OF SOIL pH ON PLANT ROOT/SHOOT GROWTH AND PHYTOCHEMICAL CONTENT"** submitted by **Mr. Nithyanandha K R** under the guidance of **Giresha A S** lecturer Department of Botany, P G centre Chikkaaluvara, towards the partial fulfilment of M.Sc., Degree of Botany (IV semester) contains the results of the bonafide project work carried out his during the academic year 2018-2019.

Place: Chikka aluvara

Date:

Date of Examination:

EXAMINERS:


Coordinator

Co-Ordinator
Department Of Botany
Mangalore University

Jana Kavery, Post Graduate Centre, Chikka Aluvare- 571232.
P.B.No19, Kushalnagar (Post)
Somwarpet (Tq), Kodagu (District)

1)

2)



MANGALORE UNIVERSITY
DEPARTMENT OF STUDIES IN BOTANY
JNANA KAVERI, PG CENTRE, CHIKKA ALUVARA,
KODAGU

CERTIFICATE

This is to certify that the dissertation entitled "**GREEN SYNTHESIS OF IRON NANOPARTICLES USING *Euphorbia hirta* LEAF EXTRACT AND BIOLOGICAL PROPERTIES**" is bonafide record of the work done by **Ms. Harshitha G.B.** This is an authentic record of the research carried out under the guidance and supervision of **Ms. Akshatha S.J.**, Lecturer, Department of studies in Botany, Mangalore University, P.G. Centre Chikka Aluvara. The work has not been submitted for any other degree or diploma earlier.

Place: Chikka Aluvara

Date: 27/5/19

Dr. Manjula Shantharam

Co-Ordinator

Department Of Botany
Mangalore University

Jnana Kaveri, Post Graduate Centre, Chikka Aluvara- 571232,
P.B.No19, Kushalnagar (Post)
Somvarpet (Tq), Kodagu (District)



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**DEPARTMENT OF STUDIES AND RESEARCH IN
BOTANY**

**JNANA KAVERI, PG CENTRE, CHIKKA ALUVARA, KODAGU
571232**

CERTIFICATE

This is to certify that the dissertation entitled "**STUDY OF SOIL ISOLATES OF *Trichoderma* spp AS A BIOFERTILIZER FOR *Solanum lycopersicum* AND *Capsicum annuum***" is bonafide record of the work done by **Mr. Abhishek. H.N.** This is an authentic record of the research carried out under the guidance and supervision of **Ms. Nethravathi. B.T**, Guest lecturer, Department of studies and Research in Botany, Mangalore University, P.G. Centre, Chikka Aluvara. The work has not been submitted for any other degree or diploma earlier.

Place: Chikka Aluvara

Date: 25/04/2019


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CERTIFICATE

This is to certify that, the project work entitled “**ANTI- EDEMACIC AND ANTI-HEMMORHAGIC ACTIVITY OF QUINIC ACID FROM *Zizipus oneoplia* FRUIT METHANOLIC EXTRACT**” submitted by **Mr. Nutan S R** under the guidance of **Mr. Giresha A S** Leacture Department of Botany, P G centre Chikkaaluvara, towards the partial fulfilment of M.Sc., Degree of Botany (IV semester) contains the results of the bonafide project work carried out his during the academic year 2018-2019.

Place: Chikkaaluvara

Date: 25/4/2019

Date of Examination:

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**MANGALORE UNIVERSITY
DEPARTMENT OF BOTANY
CERTIFICATE**

Certified THAT THIS IS the record of project work titled
"Ethnobotanical Study Of Selected Plants Of Kodagu
District

And "Phytochemical Analysis And Applications Of Selected
Medicinal Plants" carried out by Ms. Madhura. K.M.

Reg no.175904104 as a part of the M.sc IVth semester course
in botany (CBCS 2017-18) and submitted to the Department
of botany, Mangalore University for evaluation.


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**“Anti-diarrheal and anti-oxidant Activity of aqueous extract of
Vernonia anthelmintica seed ”**

**Dissertation submitted to the University of Mangalore in partial fulfilment
for the award of degree of Master of Science in Botany**

Submitted by

Ms. Spandana S S

REG No: 175904107

Under the Guidance of

Mr. Giresha A S

Leacturer

DOS in Botany

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May-2019

CERTIFICATE

This is to certify that the desertion entitled "Anti-diarrheal and anti-oxidant Activity of aqueous extract of *Vernonia anthelmintica* seed " submitted by Ms. Spandana S S as a partial fulfilment for the award of Master of science in botany is carried out at Department of Botany, PG Center Chikka aluvara kodagu, under the guidance of Mr. Giresha A S Leacturer Department of Botany during the academic year 2018-19.

Place: Chikkaaluvara

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DEPARTMENT OF STUDIES IN BOTANY
JNANA KAVERI, PG CENTRE, CHIKKA ALUVARA,
KODAGU

CERTIFICATE

This is to certify that the dissertation entitled "**GREEN SYNTHESIS OF SILVER NANOPARTICLES USING *Spondias pinnata* BARK EXTRACT AND BIOLOGICAL PROPERTIES**" is bonafide record of the work done by **Reg No. 175904103**. This is an authentic record of the research carried out under the guidance and supervision of Ms. Akshatha S.J, Lecturer, Department of studies in Botany, Mangalore University, P.G. Centre Chikka Aluvara. The work has not been submitted for any other degree of diploma earlier.

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