

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

*(Handwritten signature)*  
(CHAIRMAN)

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

*(Mirrored text from reverse side)*  
Chairman  
Department of Applied Botany  
Mangalore University  
Mangalagangothri - 574 199, D.K.

MANGALORE



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DEPARTMENT OF APPLIED BOTANY

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", written over a faint blue stamp.

(CHAIRMAN)

Chairman

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

MANGALORE



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DEPARTMENT OF APPLIED BOTANY

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

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

MANGALORE



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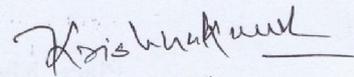
DEPARTMENT OF APPLIED BOTANY

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

  
(CHAIRMAN)

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

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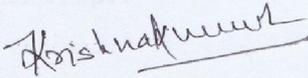
UNIVERSITY

DEPARTMENT OF APPLIED BOTANY

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

  
(CHAIRMAN)

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

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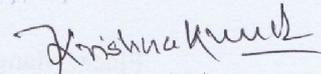
DEPARTMENT OF APPLIED BOTANY

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

Date: 03.05.2019

  
(CHAIRMAN)

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

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DEPARTMENT OF APPLIED BOTANY

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

A handwritten signature in black ink, appearing to read "K. S. K. K. K.", written over a horizontal line.

(CHAIRMAN)

Chairman

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

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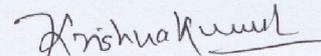
UNIVERSITY

DEPARTMENT OF APPLIED BOTANY

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.

Place: Mangalagangothri  
Date: 03.05.2019

  
(CHAIRMAN)

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

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DEPARTMENT OF APPLIED BOTANY

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

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

(CHAIRMAN)

Chairman

Department of Applied Botany

Mangalore University

Mangalagangothri - 574 199, D.K.

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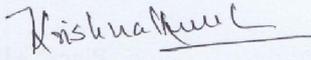
DEPARTMENT OF APPLIED BOTANY

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

  
(CHAIRMAN)

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

MANGALORE



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DEPARTMENT OF APPLIED BOTANY

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 black ink, appearing to read "Anis Madhukar".

(CHAIRMAN)

Chairman

Department of Applied Botany

Mangalore University

Mangalagangothri - 574 199, D.K.

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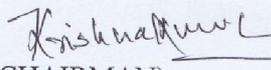
DEPARTMENT OF APPLIED BOTANY

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

  
(CHAIRMAN)

Chairman

Department of Applied Botany

Mangalore University

Mangalagangothri - 574 199, D.K.

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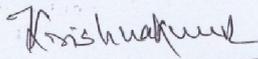
DEPARTMENT OF APPLIED BOTANY

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

  
(CHAIRMAN)

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

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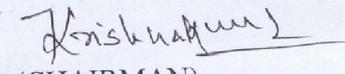
DEPARTMENT OF APPLIED BOTANY

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

  
(CHAIRMAN)

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

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DEPARTMENT OF APPLIED BOTANY

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

A handwritten signature in black ink, appearing to read "K. S. Srinivasan", written over a horizontal line.

(CHAIRMAN)

Chairman

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

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Department of Applied Botany  
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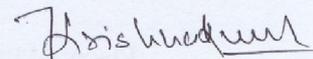
DEPARTMENT OF APPLIED BOTANY

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

  
(CHAIRMAN)

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

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DEPARTMENT OF APPLIED BOTANY

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

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

(CHAIRMAN)

Chairman

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

MANGALORE



UNIVERSITY

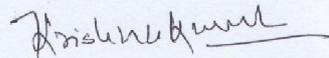
DEPARTMENT OF APPLIED BOTANY

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

  
(CHAIRMAN)

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

MANGALORE



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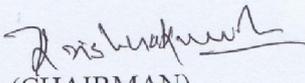
DEPARTMENT OF APPLIED BOTANY

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

  
(CHAIRMAN)

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

MANGALORE



UNIVERSITY

DEPARTMENT OF APPLIED BOTANY

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

A handwritten signature in black ink, appearing to read "K. S. Srinivasan".

(CHAIRMAN)  
Chairman

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

MANGALORE  UNIVERSITY

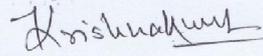
DEPARTMENT OF APPLIED BOTANY

**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

  
(CHAIRMAN)

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

MANGALORE



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DEPARTMENT OF APPLIED BOTANY

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

A handwritten signature in black ink, appearing to read "Krishnakant", written over a horizontal line.

(CHAIRMAN)

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

MANGALORE



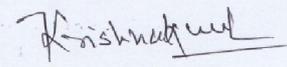
UNIVERSITY

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

  
(CHAIRMAN)

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

MANGALORE



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DEPARTMENT OF APPLIED BOTANY

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

A handwritten signature in black ink, appearing to read "Abhishek G K Rao".

(CHAIRMAN)

Chairman

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

MANGALORE



UNIVERSITY

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.

Place: Mangalagangothri

Date: 03.05.2019

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

(CHAIRMAN)

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

MANGALORE



UNIVERSITY

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

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

(CHAIRMAN)

Chairman

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

MANGALORE



UNIVERSITY

DEPARTMENT OF APPLIED BOTANY

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, appearing to read "H. S. Harshitha K K", written over a horizontal line.

(CHAIRMAN)

Chairman

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

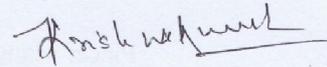
MANGALORE  UNIVERSITY

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.

Place: Mangalagangothri  
Date: 03.05.2019



(CHAIRMAN)

**Chairman**

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

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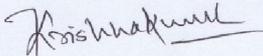
DEPARTMENT OF APPLIED BOTANY

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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Mangalore University  
Mangalagangothri - 574 199, D.K.

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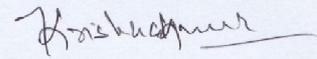
DEPARTMENT OF APPLIED BOTANY

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.

Place: Mangalagangothri

Date: 03.05.2019



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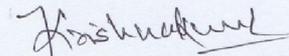
DEPARTMENT OF APPLIED BOTANY

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.

Place: Mangalagangothri

Date: 03.05.2019

  
(CHAIRMAN)

Chairman

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

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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.

Place: Mangalagangothri

Date: 03.05.2019

A handwritten signature in black ink, appearing to read 'K. Srinivas Naik'.

(CHAIRMAN)

Chairman

Department of Applied Botany

Mangalore University

Mangalagangothri - 574 199, D.K.

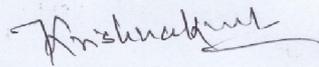
MANGALORE  UNIVERSITY

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

  
(CHAIRMAN)

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

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Mangalore University  
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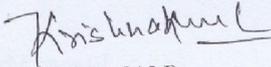
UNIVERSITY

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

  
(CHAIRMAN)

Chairman  
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**MANGALORE UNIVERSITY**

**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

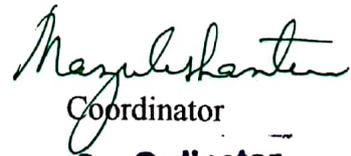
Date:

Date of Examination:

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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 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 of diploma earlier.

Place: Chikka Aluvara

Date: 27/5/19



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**CERTIFICATE**

This is to certify that the dissertation entitled “**STUDY OF SOIL ISOLATES OF *Trichoderma sps* 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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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.

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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 IV<sup>th</sup> semester course  
in botany (CBCS 2017-18 ) and submitted to the Department  
of botany, Mangalore University for evaluation.

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**MANGALORE**  **UNIVERSITY**

Post Graduate Centre, ChikkaAluvara, Kodagu-571232

**“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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**Department of Studies in Botany**

**Mangalore University Post Graduate Centre, ChikkaAluvara, Kodagu-571232**

**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.

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Date: 25/4/19

Date of Examination:

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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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Date: